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Section A: Affiliations, Contacts and Synopsis

A.1. Affiliations

DISPES Department
Section: Computer Engineering
University of Calabria
Rende, Italy
Distinguished Professor of Computer Engineering
&
Department of Computer Science
University of Paris City
Paris, France
Full Professor of Computer Engineering
&
Big Data Engineering and Analytics Laboratory
University of Calabria
Rende, Italy
Director
&
National Research Council (CNR)
Rome, Italy
Research Fellow

A.2. Contacts

DISPES Department
Section: Computer Engineering
University of Calabria
Address: Via P. Bucci, 0B
87036 Rende
Italy
Phone Number: +39 098 4492501
Mobile Number: +39 333 8477634
E-Mail: alfredo.cuzzocrea@unical.it

A.3. Synopsis

Alfredo Cuzzocrea is Distinguished Professor of Computer Engineering at the DISPES Department – Section: Computer Engineering of University of Calabria, Rende, Italy. He also covers the role of Full Professor in Computer Engineering at the University of Paris City, Paris, France, as holding the Excellence Chair in Big Data Management and Analytics. He is the Director of the Big Data Engineering and Analytics Laboratory (iDEA Lab) of the University of Calabria, Rende, Italy. He is also Research Fellow of the National Research Council (CNR), Rome, Italy. Previously, he has covered the role of Full Professor in Computer Engineering at the University of Lorraine, Nancy, France, where he held the Excellence Chair in Big Data Privacy and Cybersecurity. On June 2019, he has been awarded as Full Professor in Computer Engineering at the Department of Computer Science of University of Bourgogne Franche-Comte, Besancon, France. On August 2019, he has been awarded as International Senior Research Fellow of the ISITE-BFC Research Excellence Program of the Ministry of Higher Education and Research (MESR), France at the University of Bourgogne Franche-Comte, Besancon, France. He is habilitated as Full Professor in Computer Engineering and Full Professor in Computer Science by the Ministry of Education, University and Research (MIUR), Italy, and Full Professor in Computer Science by the Ministry of Higher Education and Research (MESR), France. Previously, he has been habilitated as Associate Professor in Computer Engineering by the Ministry of Education, University and Research (MIUR),

Italy, Associate Professor in Computer Science by the Aalborg University, Denmark, and Associate Professor in Computer Science by the University of Rome Tre, Italy. He holds several visiting professor positions worldwide. His current research interests span the following scientific fields: big data, database systems, data mining, data warehousing, and knowledge discovery. He is author or co-author of **more than 760 papers** in international conferences (including CIKM, MDM, EDBT, SSDBM, PAKDD, DOLAP), international journals (including TKDE, JCSS, IS, FGCS, INS, JMLR) and international books. He is recognized in prestigious international research rankings, such as: (i) **1st World-Wide Scientist 2020 and 2021¹ for Research Topic: “OnLine Analytical Processing (OLAP)”** by Microsoft Academic, Redmond, WA, USA; (ii) **Top 2% World-Wide Scientist 2017, 2018, 2019, 2020, 2021 and 2022** by METRICS, Stanford, CA, USA; (iii) **Top-100 Italian Scientist in Computer Science and Electronics 2022 and 2023** by Guide2Research, Clifton, NJ, USA; (iv) **Top Scientist in Computer Science and Electronics 2019, 2020, 2021, 2022 and 2023** by Guide2Research, Clifton, NJ, USA; (v) **Top-100 Researcher in Computer Science 2017-2021 for Research Topic: “Computer Science”** by SciVal – Elsevier, Amsterdam, Netherlands; (vi) **Top-100 Researcher in Computer Science 2017-2021 for Research Topic: “Theoretical Computer Science”** by SciVal – Elsevier, Amsterdam, Netherlands; (vii) **Top-100 Researcher in Computer Science 2012-2016 for Research Topic: “Computer Science”** by SciVal – Elsevier, Amsterdam, Netherlands; (viii) **Top-100 Researcher in Computer Science 2012-2016 for Research Topic: “Theoretical Computer Science”** by SciVal – Elsevier, Amsterdam, Netherlands; (ix) **Top-100 Italian Scientist in Computer Sciences 2022** by Virtual Italian Academy, Manchester, UK; (x) **Top Italian Scientist in Computer Sciences 2016, 2017, 2018, 2019, 2020, 2021 and 2022** by Virtual Italian Academy, Manchester, UK. Similarly, his international bibliometric research indicators are of high values, as recognized by Google Scholar H-Index, Scopus H-Index, ACM Download Metrics, and DBLP Most Prolific Authors. His research results have been awarded largely. He is involved in several national and international research projects (including international research projects founded by the Horizon 2020 EU framework programme for research and innovation), where he covers responsibility roles. He serves as Invited Speaker in several international conferences. He serves as Panel Leader and Moderator in several international conferences. His research results have been disseminated and promoted world-widely in a very large number of international conferences, where he holds community-leading roles, and internationally-renowned universities and research centers, where he holds a very large number of visiting positions. He holds several roles in international scientific societies, steering committees of international conferences, award committees of international conferences, and international research cooperation agreements, also having responsibility roles. He also contributes to the promotion of international research project activities by membering a high number of international research councils and funding agencies. His contribution to serving the international research community is really noticeable. He serves as Springer Fellow Editor. He serves as Elsevier Ambassador. He served as Editor for the Springer series “*Communications in Computer and Information Science*”, for which he also serves as Funding Editor. He covers a large number of roles in international journals, such as Editor-In-Chief (including *Modelling*, *International Journal of Big Data Engineering and Analytics*), Associate Editor (including INS, JPDC, BDR, SNAM, EAAI, FBD, FHPC), Editorial Board Member (including IS, IJIS, JDM, IJDMMM), Special Issue Editor (including JCSS, IS, FGCS, INS, BDR,

¹ Microsoft Academic discontinued on December 31, 2021.

KAIS). He edited more than 60 international books and conference proceedings. He is member of editorial advisory boards of several international books. He covers a large number of roles in international conferences, such as General Chair (including CIKM, ICDM, BigData, EDBT/ICDTW, CSE, WIMS), Program Chair (including ASONAM, CSE, ODBASE, DEXA, DOLAP, DaWaK, ICA3PP, ICEIS, DATA), Poster Chair (including BigComp), Workshop Chair (including BigData, CCGRID, COMPSAC, ICKB), Fast Abstract Chair (including COMPSAC), Proceedings Chair (including BigData, CDICS), Local Chair (including ICCSA, OTM, WIMS), Liaison Chair (including ICCSA, IDEAL), Publicity Chair (including ICDM, BigData, SDM, APWeb, SSTDM) and Sponsor Chair (including ASONAM). He serves as Session Chair in a large number of international conferences (including CIKM, ICDM, MDM, EBDT, SSDBM, PAKDD, DOLAP). He serves as Review Board Member in a large number of international journals (including TODS, TKDE, TKDD, TOIS, TOIT, TSC, TIST, TSMC, TCC, THMS, TOMM, TETCI). He serves as Review Board Member in a large number of international books. He serves as Program Committee Member in a very large number of international conferences (including VLDB, CIKM, ICDE, EDBT, KDD, ICDM, PKDD, SDM, AAI, IJCAI, ICDCS). For his international research community services, he has been awarded several times. His academic services are relevant as well. He covers several scientific advising roles for research associates and PhD students. He is member of scientific boards of several PhD programs worldwide. He covers several institutional roles in university services, including scientific advisor roles for master and bachelor students, and teaching positions in national and international universities. Finally, he leads technological transfer for national and regional companies.

Section B: Positions and Career

B.1. National and International Research and Professorship Positions	[P17] Department of Computer Science University of Paris City, Paris, France Distinguished Professor of Computer Engineering	09/2023
	[P16] Department of Computer Science University of Paris City, Paris, France Full Professor - Excellence Chair in Big Data Management and Analytics	since 03/2023
	[P15] National Research Council (CNR), Rome, Italy Research Fellow	since 03/2022
	[P14] Department of Computer Science University of Lorraine, Nancy, France Full Professor - Excellence Chair in Big Data Privacy and Cybersecurity	01/2020-06/2022
	[P13] French Ministry of Higher Education and Research (MESR) ISITE-BFC Research Excellence Program University of Bourgogne Franche-Comte, Besancon, France International Senior Research Fellow	08/2019
	[P12] Big Data Engineering and Analytics Laboratory University of Calabria, Rende, Italy	

Director	since 07/2019
[P11] Department of Computer Science University of Bourgogne Franche-Comte, Besancon, France Full Professor	06/2019
[P10] DISPES Department Section: Computer Engineering University of Calabria, Rende, Italy Associate Professor	since 04/2019
[P9] Big Data Engineering and Analytics Laboratory University of Trieste, Trieste, Italy Director	03/2016-03/2019
[P8] National Research Council (CNR), Rome, Italy Research Fellow	03/2015-12/2019
[P7] Department of Engineering University of Trieste, Trieste, Italy Associate Professor	11/2014-03/2019
[P6] Institute of High Performance Computing and Networking National Research Council (CNR), Rende, Italy Researcher	07/2006-02/2015
[P5] Institute of High Performance Computing and Networking National Research Council (CNR), Rende, Italy Research Associate	01/2007-12/2007
[P4] Department of Electronics, Computer Science, and Systems University of Calabria, Rende, Italy Research Associate	05/2005-12/2006
[P3] Institute of High Performance Computing and Networking National Research Council (CNR), Rende, Italy Research Associate	11/2004-04/2005
[P2] Department of Electronics, Computer Science, and Systems University of Calabria, Rende, Italy PhD Candidate	10/2001-10/2004
[P1] Institute of Systems Analysis and Information Technology National Research Council (CNR), Rende, Italy Research Contractor	04/2001-09/2001

B.2. National and International Professorship Habilitations

[H6] Ministry of Education, University and Research (MIUR), Italy National Scientific Habilitation Full Professor in Computer Engineering	08/2017
[H5] Ministry of Education, University and Research (MIUR), Italy National Scientific Habilitation Full Professor in Computer Science	08/2017
[H4] Ministry of Higher Education and Research (MESR), France	

National Scientific Habilitation Full Professor in Computer Science	02/2015
[H3] Ministry of Education, University and Research (MIUR), Italy National Scientific Habilitation Associate Professor in Computer Engineering	12/2013
[H2] Aalborg University, Denmark Habilitation Associate Professor in Computer Science	07/2013
[H1] University of Rome Tre, Italy Habilitation Associate Professor in Computer Science	11/2010

B.3. International Visiting Professorship Positions

[VP6] Department of Electrical and Computer Engineering Khalifa University of Science, Technology & Research, Abu Dhabi, United Arab Emirates Visiting Professor	09/2018-10/2018
[VP5] Department of Electrical and Computer Engineering Khalifa University of Science, Technology & Research, Abu Dhabi, United Arab Emirates Visiting Professor	02/2018-03/2018
[VP4] School of Computing National University of Singapore, Singapore Visiting Professor	01/2015-02/2015
[VP3] Computer Science Department University of California, Los Angeles, CA, USA Visiting Professor	10/2009-11/2009
[VP2] Computer Science Department University “Claude Bernard” of Lyon, Lyon, France Visiting Professor	01/2009-02/2009
[VP1] Computer Science and Engineering School University of New South Wales, Sydney, NSW, Australia Visiting Professor	07/2007-08/2007

Section C: Publications

C.1. International Journals

- [J126] A. Cuzzocrea, F. Martinelli, F. Mercaldo, “A Deep Learning Approach to Game Bot Identification via Behavioural Features Analysis in Complex Massively-Cooperative Environments”, *International Journal of Data Mining, Modelling and Management, InderScience*, Vol. 15, No. 1, pp. 1-29, 2023
- [J125] A. Cuzzocrea, “A Reference Architecture for Supporting Multidimensional Big Data Analytics over Big Web Knowledge Bases: Definitions, Implementation, Case Studies”, *International Journal of Semantic Computing, World Scientific*, Vol. ?, No. ?, pp. ?-?, 2023

- [J124]** A. Cuzzocrea, C. Gallo, E. Mumolo, K. Lenac, “An Innovative Framework for Supporting Big-Moving-Objects Tracking, Analysis and Mining Effectively and Efficiently”, *Journal of Data Intelligence*, Rinton Press, Vol. 4, No. 1-2, pp. 149-164, 2023
- [J123]** A. Cuzzocrea, A. Fantini, G. Pilato, “Enhanced Emotion Detection and Analysis in Human-Robot Interactions: An Innovative Model and Its Experimental Validation”, *Journal of Visual Language and Computing*, KSI Research, Vol. 2023, No. 1, pp. 41-52, 2023
- [J122]** J. Gaviria de la Puerta, I. Pastor-Lopez, A. Tellaeche, B. Sanz, H. Sanjurjo-Gonzalez, A. Cuzzocrea, P.G. Bringas, “An Innovative Framework for Supporting Content-Based Authorship Identification and Analysis in Social Media Networks”, *Logic Journal of the IGPL*, Oxford University Press, Vol. ?, No. ?, pp. ?-?, 2023
- [J121]** A. Cuzzocrea, P. Ciancarini, “Serendipitous, Open Big Data Management and Analytics: The SeDaSOMA Framework”, *Modelling*, MDPI, Vol. ?, No. ?, pp. ?-?, 2023
- [J120]** A. Cuzzocrea, E. Mumolo, I. Belmerabet, A. Hafsaoui, “An Artificial Intelligence Framework for Supporting Coarse-Grained Workload Classification in Complex Virtual Environments”, *Transactions on Fuzzy Sets and Systems*, Islamic Azad University, Vol. 2, No. 2, pp. 155-183, 2023
- [J119]** A. Cuzzocrea, P. Karras, A. Vlachou, “Effective and Efficient Skyline Query Processing over Attribute-Order-Preserving-Free Encrypted Data in Cloud-Enabled Databases”, *Future Generation Computer Systems*, Elsevier, Vol. 126, No. 1, pp. 237-251, 2022
- [J118]** A. Coronato; A. Cuzzocrea, “An Innovative Risk Assessment Methodology for Medical Information Systems”, *IEEE Transactions on Knowledge and Data Engineering*, IEEE, Vol. 34, No. 7, pp. 3095-3110, 2022
- [J117]** A. Cuzzocrea, F. Furfaro, D. Saccà, “Towards a Grid-Based Framework for Supporting Range Aggregate Queries Over Big Sensor Network Readings: Overview, Management, and Applications”, *International Journal of Distributed Systems and Technologies*, IGI Global, Vol. 13, No. 1, pp. 1-20, 2022
- [J116]** A. Cuzzocrea, E. Fadda, E. Mumolo, “Cyber-Attack Detection via Non-Linear Prediction of IP Addresses: An Innovative Big Data Analytics Approach”, *Multimedia Tools and Applications*, Springer, Vol. 81, No. 1, pp. 171-189, 2022
- [J115]** C. Demartini, L. De Floriani, J.-J. Yang, A. Cuzzocrea, H. Shahriar, S. Reisman, M. Zulkernine, “IEEE COMPSAC 2022”, *Computer*, IEEE, Vol. 54, No. 12, p. 7, 2021
- [J114]** K. Lenac, A. Cuzzocrea, E. Mumolo, “A Novel Genetic Scan-Matching-Based Registration Algorithm for Supporting Moving Objects Tracking Effectively and Efficiently”, *IEEE Access*, IEEE, Vol. 9, No. 1, pp. 91741-91753, 2021
- [J113]** T. Alcamo, A. Cuzzocrea, G. Pilato, D. Schicchi, “Sentiment Mining and Analysis over Text Corpora via Complex Deep Learning Neural

Architectures”, *Journal of Data Intelligence, Rinton Press*, Vol. 2, No. 4, pp. 448-461, 2021

[J112] A. Cuzzocrea, C. Leung, S. Sourav, B.H. Wodi, “An Effective and Efficient Framework for Fast Privacy-Preserving Keyword Search on Encrypted Outsourced Cloud Data”, *Journal of Ubiquitous Systems and Pervasive Networks, IASKS*, Vol. 15, No. 2, pp. 43-53, 2021

[J111] A. Cuzzocrea, L. Camillotti, E. Mumolo, “Ceiling-Vision-Based Mobile Object Self-Localization: A Composite Framework”, *Journal of Visual Language and Computing, KSI Research*, Vol. 2021, No. 2, pp. 1-9, 2021

[J110] A. Cuzzocrea, G. Lo Bosco, M. Maiorana, G. Pilato, D. Schicchi, “Supporting Emotion Automatic Detection and Analysis over Real-Life Text Corpora via Deep Learning: Model, Methodology and Framework”, *Journal of Visual Language and Computing, KSI Research*, Vol. 2021, No. 2, pp. 33-38, 2021

[J109] A. Cuzzocrea, G. Pilato, “A Composite Framework for Supporting User Emotion Detection based on Intelligent Taxonomy Handling”, *Logic Journal of the IGPL, Oxford University Press*, Vol. 29, No. 2, pp. 207-219, 2021

[J108] A. Cuzzocrea, C.K. Leung, A.M. Olawoyin, E. Fadda, “Supporting Privacy-Preserving Big Data Analytics on Temporal Open Big Data”, *Procedia of Computer Science, Elsevier*, Vol. 198, No. 1, pp. 112-121, 2021

[J107] A. Singh Chauhan, A. Cuzzocrea, L. Fan, J.D. Harvey, C.K. Leung, A.G.M. Pazdor, T. Wang, “Predictive Big Data Analytics for Service Requests: A Framework”, *Procedia of Computer Science, Elsevier*, Vol. 198, No. 1, pp. 102-111, 2021

[J106] A. Cuzzocrea, E. Mumolo, G.M. Grasso, “An Effective and Efficient Genetic-Fuzzy Algorithm for Supporting Advanced Human-Machine Interfaces in Big Data Settings”, *Algorithms, MDPI*, Vol. 13, No. 1, pp. 13-43, 2020

[J105] R. Langone, A. Cuzzocrea, N. Skantzios, “Interpretable Anomaly Prediction: Predicting Anomalous Behavior in Industry 4.0 Settings via Regularized Logistic Regression Tools”, *Data & Knowledge Engineering, Elsevier*, Vol. 130, No. 1, art. 101850, 2020

[J104] A. Cuzzocrea, T. Sellis, “Extending Big Data Management via Semantics: Recent Innovations”, *Information Systems, Elsevier*, Vol. 88, No. 1, pp. 1-2, 2020

[J103] A. Augello, A. Ciulla, A. Cuzzocrea, S. Gaglio, G. Pilato, F. Vella, “An Innovative System for Supporting Acquisition and Reproduction of Gestures in Storytelling Humanoid Robots”, *Journal of Visual Language and Computing, KSI Research*, Vol. 2020, No. 1, pp. 17-26, 2020

[J102] A. Cuzzocrea, E. Mumolo, “An Effective and Efficient Machine-Learning-Based Framework for Supporting Event Detection and Analysis in Complex Environments”, *Journal of Visual Language and Computing, KSI Research*, Vol. 2020, No. 1, pp. 37-45, 2020

[J101] A. Cuzzocrea, N. Ferreira, P. Furtado, “A Rewrite/Merge Approach for

Supporting Real-Time Data Warehousing via Lightweight Data Integration”, *The Journal of Supercomputing*, Springer, Vol. 76, No. 5, pp. 3898-3922, 2020

[J100] A. Cuzzocrea, “Modelling—International Open Access Journal of Modelling in Engineering Science”, *Modelling*, MDPI, Vol. 1, No. 1, p. 7, 2020

[J99] A. Cuzzocrea, “SPPOLAP: Computing Privacy-Preserving OLAP Data Cubes Effectively and Efficiently Algorithms, Complexity Analysis and Experimental Evaluation”, *Procedia of Computer Science*, Elsevier, Vol. 176, No. 1, pp. 3831-3842, 2020

[J98] A. Cuzzocrea, C.K. Leung, D. Deng, J.J. Mai, F. Jiang, E. Fadda, “An Effective and Ecient Technique for Supporting Privacy-Preserving Keyword-Based Search over Encrypted Data in Clouds”, *Procedia of Computer Science*, Elsevier, Vol. 177, No. 1, pp. 170-177, 2020

[J97] A. Cuzzocrea, C.K. Leung, B.H. Wodi, S. Sourav, E. Fadda, “A Combined Deep-Learning and Transfer-Learning Approach for Supporting Social Influence Prediction”, *Procedia of Computer Science*, Elsevier, Vol. 177, No. 1, pp. 509-515, 2020

[J96] A. Cuzzocrea, F. Mercaldo, F. Martinelli, “A Deep-Learning-Based Framework for Supporting Analysis and Detection of Attacks on CAN Buses”, *Procedia of Computer Science*, Elsevier, Vol. 176, No. 1, pp. 2999-3008, 2020

[J95] P.P.F. Balbin, J.C.R. Barker, C.K. Leung, M. Tran, R.P. Wall, A. Cuzzocrea, “Predictive Analytics on Open Big Data for Supporting Smart Transportation Services”, *Procedia of Computer Science*, Elsevier, Vol. 176, No. 1, pp. 2999-3009, 2020

[J94] H. Al-Ali, A. Cuzzocrea, E. Damiani, R. Mizouni, G. Tello, “A Composite Machine-Learning-Based Framework for Supporting Low-Level Event Logs to High-Level Business Process Model Activities Mappings Enhanced by Flexible BPMN Model Translation”, *Soft Computing*, Springer, Vol. 24, No. 10, pp. 7557-7578, 2020

[J93] A. Cuzzocrea, G. Pilato, “An Innovative User-Attentive Framework for Supporting Real-Time Detection and Mining of Streaming Microblog Posts”, *Soft Computing*, Springer, Vol. 24, No. 13, pp. 9663-9682, 2020

[J92] X. Zhang, S. Wang, G. Cong, A. Cuzzocrea, “Social Big Data: Mining, Applications, and Beyond”, *Complexity*, Hindawi, Vol. 2019, No. 1, pp. 1-2, 2019

[J91] A. Cuzzocrea, E. Mumolo, “A Novel GPU-Aware Histogram-Based Algorithm for Supporting Moving Object Segmentation in Big-Data-Based IoT Application Scenarios”, *Information Sciences*, Elsevier, Vol. 496, No. 1, pp. 592-612, 2019

[J90] A. Cuzzocrea, F. Folino, M. Guarascio, L. Pontieri, “Predictive Monitoring of Temporally-Aggregated Performance Indicators of Business Processes against Low-Level Streaming Events”, *Information Systems*, Elsevier, Vol. 81, No. 1, pp. 236-266, 2019

[J89] M. Hassani, D. Töws, A. Cuzzocrea, T. Seidl, “BFSPMiner: An

Effective and Efficient Batch-Free Algorithm for Mining Sequential Patterns over Data Streams”, *Journal of Data Science and Analytics, Springer*, Vol. 8, No. 3, pp. 223-239, 2019

[J88] A. Cuzzocrea, “Big Data Engineering: Recent Advances in Intelligent Methods, Methodologies and Techniques”, *International Journal of Data Mining, Modelling and Management, InderScience*, Vol. 11, No. 3, pp. 205-208, 2019

[J87] A. Cuzzocrea, “Big Data Intelligence”, *Journal of Ambient Intelligence and Humanized Computing, Springer*, Vol. 10, No. 9, pp. 3325-3327, 2019

[J86] A. Cuzzocrea, M. Gaber, E. Fadda, G.M. Grasso, “An Innovative Framework for Supporting Big Atmospheric Data Analytics via Clustering-Based Spatio-Temporal Analysis”, *Journal of Ambient Intelligence and Humanized Computing, Springer*, Vol. 10, No. 9, pp. 3383-3398, 2019

[J85] A. Cuzzocrea, G.M. Grasso, M. Nolic, “Effective and Efficient Distributed Management of Big Clinical Data: A Framework”, *International Journal of Data Mining, Modelling and Management, InderScience*, Vol. 11, No. 3, pp. 284-313, 2019

[J84] F. De Dea, M. Ajčević, M. Stecca, C. Zanusi, M. Carrozzi, A. Cuzzocrea, A. Accardo, “A Big-Data-Analytics Framework for Supporting Classification of ADHD and Healthy Children via Principal Component Analysis of EEG Sleep Spindles Power Spectra”, *Procedia of Computer Science, Elsevier*, Vol. 159, No. 1, pp. 1584-1590, 2019

[J83] A. Cuzzocrea, M. Nolic, W. Ukovich, “A Big-Data-Analytics Framework for Supporting Logistics Problems in Smart-City Environments”, *Procedia of Computer Science, Elsevier*, Vol. 159, No. 1, pp. 2589-2597, 2019

[J82] C.K. Leung, P. Braun, A. Cuzzocrea, “AI-Based Sensor Information Fusion for Supporting Deep Supervised Learning Effectively and Efficiently”, *Sensors, MDPI*, Vol. 19, No. 6, pp. 1345-1358, 2019

[J81] G.S. Smrithy, A. Cuzzocrea, R. Balakrishnan, “Detecting Insider Malicious Activities in Cloud Collaboration Systems”, *Fundamenta Informaticae, IOS Press*, Vol. 161, No. 3, pp. 299-316, 2018

[J80] M. Mariotti, O. Gervasi, F. Vella, A. Cuzzocrea, A. Costantini, “Strategies and Systems Towards Grids and Clouds Integration: A DBMS-Based Solution”, *Future Generation Computer Systems, Elsevier*, Vol. 88, No. 1, pp. 718-729, 2018

[J79] A. Cuzzocrea, F. Folino, M. Guarascio, L. Pontieri, “Deviance-Aware Discovery of High-Quality Process Models”, *International Journal on Artificial Intelligence Tools, World Scientific*, Vol. 27, No. 7, pp. 27-54, 2018

[J78] A. Cuzzocrea, F. Martinelli, F. Mercaldo, G.M. Grasso, “Experimenting and Assessing Machine Learning Tools for Detecting and Analyzing Malicious Behaviors in Complex Environments”, *Journal on Reliable Intelligent Environments, Springer*, Vol. 4, No. 4, pp. 225-245, 2018

[J77] A. Cuzzocrea, E. Mumolo, G.M. Grasso, “Advanced Pattern Recognition from Complex Environments: A Classification-based Approach”, *Soft*

Computing, Springer, Vol. 22, No. 14, pp. 4763-4778, 2018

[J76] P. Braun, A. Cuzzocrea, C.K. Leung, A.G.M. Pazdor, J. Souza, “Item-Centric Mining of Frequent Patterns from Big Uncertain Data”, *Procedia of Computer Science, Elsevier*, Vol. 126, No. 1, pp. 1875-1884, 2018

[J75] C.K. Leung, F. Kanke, A. Cuzzocrea, “Data Analytics on the Board Game Go for the Discovery of Interesting Sequences of Moves in Joseki”, *Procedia of Computer Science, Elsevier*, Vol. 126, No. 1, pp. 831-840, 2018

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[D28] Alfredo Cuzzocrea, Osvaldo Gervasi, Mirko Mariotti, Flavio Vella, Alessandro Costantini, “Effectively and Efficiently Supporting Grid and Cloud Integration via a DBMS-based Framework”, *Proceedings of the 25th Italian Symposium on Advanced Database Systems (SEBD 2017)*, pp. 291-299, Squillace Lido, Italy, June 25-29, 2017

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C.6. Open Access Archives

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C.7. Technical Reports

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[R6] A. Cuzzocrea, F. Furfaro, E. Masciari, D. Saccà, C. Sirangelo, “Approximate Query Answering on Sensor Network Data Streams”, *ICAR-CNR Technical Report RT-ICAR-CS-03-09*, 2003

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[R4] M. Cannataro, A. Cuzzocrea, M. Giglio, “Installing and Setting a Multimedia Database for supporting Video-On-Demand Systems”, *ICAR-CNR Technical Report RT-ICAR-CS-02-27*, 2002

[R3] M. Cannataro, A. Cuzzocrea, M. Giglio, “Installing and Using a Video-On-Demand System”, *ICAR-CNR Technical Report RT-ICAR-CS-02-26*, 2002

[R2] M. Cannataro, A. Cuzzocrea, A. Pugliese, “Adaptive Hypermedia Systems: Models, Architectures and Tools”, *ISI-CNR Technical Report RT-ISI-01-18*, 2001

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Section D: Research Projects

D.1. Principal Investigator, Work Package Responsible and Lead Scientist Roles in Research Projects

[RP23] European Commission, HE Framework - NextGenerationEU, Ministry of University and Research (MUR), PNRR Research Project “*Affordable, Reusable and Truly Interoperable Cyber ranges (ARTIC)*”

Project Topics: Cybersecurity; Cyber Ranges; Virtualization Technologies; AI Tools for Cybersecurity; Privacy and Security of Digital Twins; Advanced Risk Models over Big Data

Project Duration: 36 months

Lead Scientist

2023

[PI22] European Commission, H2020 Framework, Italian Ministry of Economic Development (MISE), PON Research Project “*ALCMAEON - A Multidimensional Big Data AnaLytiCs PlatforM for Supporting Predictive Analysis and Mining over Clinical and MEDical (Big) Data ON Alzheimer’s Disease Patients*”

Project Topics: Multidimensional Big Data Management; Multidimensional Big Data Analytics; Big Healthcare Data Management and Analytics; Predictive Multidimensional Analytics over Big Healthcare Data; Advanced Big Data Lake Architectures

Project Duration: 36 months

Principal Investigator

2023

[PI21] French Ministry of Higher Education and Research (MESR), PIE Research Project EVR (Equipe de la Valorisation de la Recherche - Université Paris Cité) “*BigMDHealth: Models, Techniques and Algorithms for Supporting Multidimensional Big Data Management and Analytics over Big Healthcare Data*”

Project Topics: Multidimensional Big Data Management; Multidimensional Big Data Analytics; Models and Techniques for Supporting Multidimensional Aggregations over Cloud Key-Value Stores; Intelligent Frameworks for Supporting Big Healthcare Data Management and Analytics

Project Duration: 12 months

Principal Investigator

2023

[RP20] European Commission, HE Framework - NextGenerationEU, Ministry of University and Research (MUR), PNRR Research Project “*Secure and TRaceable Identities in Distributed Environments (STRIDE)*”

Project Topics: Cybersecurity; Cyberspaces; Cybersecurity for Distributed Environments; Cryptographic Tools for Cybersecurity; Privacy and Security of Multi-Cloud Systems

Project Duration: 36 months

Lead Scientist

2023

[RP19] European Commission, HE Framework - NextGenerationEU, Ministry of University and Research (MUR), PNRR Research Project “*Tech4You - Technologies for Climate Change Adaptation and Quality of Life Improvement*”

Project Topics: Digital Transformation; Digital Transfer; Systems Requirement Analysis Methodologies; Systems Modeling and Simulation; Intelligent Tools for Digital Enterprises

Project Duration: 36 months

Lead Scientist

2023

[RP18] European Commission, HE Framework - NextGenerationEU, Ministry of University and Research (MUR), PNRR Research Project “*High Performance Computing, Big Data e Quantum Computing (CN-HPC)*”

Project Topics: Big Data Management; Big Data Analytics; Architectures and Framework for Big Data; Big Data Techniques; Big Data Algorithms; Big Graph Data Management; Big Graph Data Analytics

Project Duration: 36 months

Lead Scientist

2022

[PI17] European Commission, HE Framework, Italian Ministry of Justice (MIG), PON Research Project “*Start UPP - Unitary Project for the Dissemination of the Office for the Process and the Implementation of Innovative Operating Models in the Judicial Offices for the Disposal of the Backlog*”

Project Topics: Multidimensional Data and Information Management over Massive Text Corpora; Multidimensional Data and Information Analytics over Massive Text Corpora; Big NoSQL Data; Document-Oriented Big Data Lakes; Complex Frameworks for Big Data Analytics over Text Corpora in Judicial Service Environments

Project Duration: 18 months

Co-Principal Investigator

2022

[PI16] Italian Ministry of Education, University and Research (MIUR) and Region Calabria, POR Research Project “*Tourism ClustCube – An analytical framework based on the OLAP paradigm for Supporting Clustering and Mining over Data Cubes in the Touristic Sector*”

Project Topics: Intelligent Big OLAP Data Cube Modeling; Management and Analytics; Multidimensional Analysis and Mining of Big Tourism Data; Open Big Data Platforms for Supporting OLAP-Based Big Data Analytics in the Tourism Domain; Advanced Big Data Management and Analytics Architectures

Project Duration: 18 months

Principal Investigator

2021

[PI15] French Ministry of Higher Education and Research (MESR), PIA Research Project LUE (Lorraine Université d’Excellence) “*CyberBDA: Models, Methods and Techniques for Supporting Cybersecurity via Big Data Analytics in Complex Systems*”

Project Topics: Privacy-Preserving Distributed Big Data Management; Privacy-Preserving Distributed Big Data Analytics; Big-Data-Driven Cybersecurity; Intelligent Distributed Big Data Based Systems

Project Duration: 30 months

Principal Investigator

2020

[PI14] European Commission, H2020 Framework, RIA Research Project “*Monitoring Multidimensional Aspects of Quality of Life after Cancer Immunotherapy: An Open Smart Digital Platform for Personalized Prevention and Patient Management (QUALITOP)*”

Project Topics: Multidimensional Modeling of Medical Data; Data-Driven Digital Transformation; Big Multidimensional Data Analytics; Smart medical Data Processing; Privacy-Preserving Big Multidimensional Data Analytics; Big Multidimensional Data Visualization

Project Duration: 48 months

Lead Scientist

2020

[PI13] Italian Ministry of Education, University and Research (MIUR) and

Region Calabria, POR Research Project “*Community Lab*”
 Project Topics: Open Big Data Techniques and Tools; Open Big Data Analytics Methods; Data-Driven Big Data Analytics over Social Community Data; Seamless Tools for Community Detection and Analysis
 Project Duration: 18 months
Work Package Responsible **2019**

[PI12] Italian Ministry of Education, University and Research (MIUR) and Region Lombardia, POR Research Project “*Integrated and Sustainable Big Data Ecosystem for Supporting Continuity of Medical Care and Decision Support for Pain-Suffering Patients – Pain-RELife*”
 Project Topics: OLAP-based Big Data Analytics over Patient Data; Big Data Integration Techniques and Tools; Flexible Big Data Analytics Techniques and Tools; Data-Driven Big Data Architectures; Big-Data-based Decision Support Systems
 Project Duration: 30 months
Work Package Responsible **2019**

[PI11] French Ministry of Higher Education and Research (MESR), ISITE-BFC Research Excellence Program Project “*Techniques and Algorithms for Supporting Approximation Paradigms in OLAP-Based Big Data Analytics Tools (AppxBOLAP)*”
 Project Topics: Approximate Query Answering over Big OLAP Cubes in Clouds; Approximation Paradigms in OLAP-Based Big Data Analytics Tools; Intelligent Algorithms for Compressing and Distributing Big OLAP Cube in Clouds
 Project Duration: 36 months
Principal Investigator **2019**

[PI10] Italian Ministry of Education, University and Research (MIUR), MIUR Research Project “*PP-OMDS: Privacy-Preserving OLAP-based Monitoring of Data Streams*”
 Project Topics: Privacy-Preserving Data Stream Management; Privacy-Preserving OLAP Analysis of Data Streams; Multidimensional Data Stream Monitoring
 Project Duration: 24 months
Principal Investigator **2017**

[PI9] European Commission, H2020 Framework, Italian Ministry of Economic Development (MISE), PON Research Project “*REMS.PA - Resource in Engineering Management for Software process automation in Public Administration*”
 Project Topics: Big-Data-Aware Business Processes; OLAP Analysis of Data Intensive Business Processes; Predictive Process Mining
 Project Duration: 24 months
Principal Investigator **2017**

[PI8] Italian Ministry of Education, University and Research (MIUR), PON Research Project “*Cyber-Security Technological District s3cureDIG.IT*”
 Project Topics: Privacy-Preserving Big Data Management; Security of Big Data; Privacy-Preserving OLAP
 Project Duration: 36 months
Work Package Responsible **2014**

[PI7] National Research Council (CNR), Short Term Mobility Program 2013 (in collaboration with Prof. Beng Chin Ooi, School of Computing, National

University of Singapore, Singapore), Research Project “*Models and Algorithms for Querying and Processing Large-Scale Data*”

Project Topics: Distributed Query Processing Techniques over Large-Scale Data; Advanced OLAP Query Processing in Distributed Settings; Optimization Issue of Distributed OLAP Query Processing

Project Duration: 6 months

Principal Investigator

2013

[PI6] Italian Ministry of Education, University and Research (MIUR), PON Research Project “*RES NOVAE: Networks, Buildings, Roads – New Virtuous Objectives for Environment and Energy*”

Project Topics: Big Data Applications for Smart Cities; Big Data Stream Analysis and Prediction; Efficient Big Data Stream Management

Project Duration: 36 months

Work Package Responsible

2013

[PI5] Italian Ministry of Economy and Finance (MEF), Regional Research Grant for Innovation 2013, Research Project “*Skyline Query Processing over Large-Scale Data Sets*”

Project Topics: Models and Issues for Efficient Skyline Query Processing over Large-Scale Data Sets; Efficient Algorithms for Skyline Query Processing over Large-Scale Data Sets; Optimization Issues of Skyline Query Processing over Large-Scale Data Sets

Project Duration: 6 months

Principal Investigator

2013

[PI4] Italian Ministry of Education, University and Research (MIUR), PON Research Project “*TETRIs – Innovative Open Source Services on TETRA*”

Project Topics: OLAP Analysis of Sensor Network Data Streams; Histogram-Based Compression of Sensor Network Data Streams; OLAP Analysis and Multidimensional Mining of TETRA Packets

Project Duration: 36 months

Work Package Responsible

2012

[PI3] Italian Ministry of Education, University and Research (MIUR), National Research Grant for Innovation 2011, Research Project “*OLAP Data Cube Processing and Querying over Column-Oriented Databases*”

Project Topics: Models, Issues and Techniques for Supporting OLAP over Column-Oriented Databases; OLAP Data Cube Computing Methods and Algorithms over Column-Oriented Databases; Approximate OLAP Query Answering Techniques over Column-Oriented Databases

Project Duration: 6 months

Principal Investigator

2011

[PI2] Italian Ministry of Education, University and Research (MIUR), PON Research Project “*OpenKnowTech – Laboratory of Technologies for the Integration, Management and Distribution of Data, Processes and Knowledge*”

Project Topics: Design and Implementation of a Column-Oriented OLAP Server; Effective and Efficient In-Memory Data Representation Schemes of Column-Oriented OLAP Data Cubes; Methods and Techniques for Effectively and Efficiently Querying Column-Oriented OLAP Data Cubes

Project Duration: 48 months

Work Package Responsible

2011

[PI1] National Research Council (CNR), Short Term Mobility Program 2009 (in collaboration with Prof. Carlo Zaniolo, Computer Science Department,

University of California, Los Angeles, CA, USA), Research Project “*Data Mining Algorithms for Data Streams*”

Project Topics: Design of Effective and Efficient Algorithms for Mining Data Streams; Models, Techniques and Algorithms for Mining Uncertain Data Streams; Innovative Algorithms for Mining Data Streams: Gradient Analysis

Project Duration: 6 months

Principal Investigator

2009

D.2. Participant Roles in Research Projects

[RP30] National Research Council (CNR), Research Project “*Evolution and Technological Interoperability of Electronic Health Files (FSE3)*”

Project Topics: Intelligent Management of Electronic Health Files; Multidimensional Analysis of Electronic Health Files; Interoperability and Mapping of Electronic Health Files

Project Duration: 36 months

Participant

2013

[RP29] Italian Ministry of Education, University and Research (MIUR), PON Research Project “*FRAME – A Flexible and Expandable Framework, based on Knowledge Methodologies and Knowledge Tools, for Consolidating and Optimized Management of Complex Information Systems*”

Project Topics: Advanced Knowledge Processing and Management Methodologies; Complex Information System Modelings based on Knowledge Management Techniques; Knowledge-Management-Based Metrics for Supporting the Optimization of Complex Information Systems

Project Duration: 36 months

Participant

2012

[RP28] Italian Ministry of Economic Development (MISE), Research Project “*LOGIN – Integrated Logistics*”

Project Topics: Multidimensional Modeling of Logistics Trajectories; Data Warehousing and Integration over Logistics Trajectories; OLAP Analysis of Logistics Trajectories

Project Duration: 36 months

Participant

2012

[RP27] Italian Ministry of Education, University and Research (MIUR), FIRB Research Project “*Integrated Emergency Management System (INSYEME)*”

Project Topics: Intelligent Emergency Management Systems; Outlier Identification and Management in Emergency Management Systems; OLAP Analysis over Emergency Data

Project Duration: 24 months

Participant

2012

[RP26] Italian Ministry of Education, University and Research (MIUR), PRIN Research Project “*ANONIMO: Computer-Science-Based and Legal Methods for the Protection of Privacy and Anonymity*”

Project Topics: Privacy-Preserving OLAP; Models and Algorithms for Effectively and Efficiently Computing Privacy-Preserving Data Cubes; Advanced Paradigms for Privacy-Preserving OLAP

Project Duration: 24 months

Participant

2011

[RP25] Italian Ministry of Education, University and Research (MIUR) and Region Calabria, POR Research Project “*AUTOMobile logistic MAnagement (AUTOMA)*”

Project Topics: Data Warehousing Techniques over Logistics Data; OLAP Analysis of Logistics Data; Multidimensional Mining Models over Logistics Data

Project Duration: 24 months

Participant

2011

[RP24] Italian Ministry of Education, University and Research (MIUR), PRIN Research Project “*GeoPKDD.it: Geographic Privacy-aware Knowledge Discovery*”

Project Topics: Privacy-Preserving OLAP Analysis; Privacy-Preserving OLAM Analysis; Privacy Vs. Accuracy OLAP Data Cube Computing Algorithms

Project Duration: 24 months

Participant

2010

[RP23] Italian Ministry of Education, University and Research (MIUR) and Region Calabria, POR Research Project “*logistic PROcess Management and Intelligence Systems (PROMIS)*”

Project Topics: Intelligent Methodologies for Warehousing Logistics Data; Design and Testing of Effective and Efficient Data Population Algorithms for Logistics Data Warehouses; Design and Testing of Effective and Efficient Data Compression Algorithms for Logistics Data Warehouses

Project Duration: 24 months

Participant

2010

[RP22] Italian Ministry of Education, University and Research (MIUR), PRIN Research Project “*HW / SW Design of a Robust and Low-Power-Consumption System based on Sensor Networks for Monitoring of Natural Phenomena*”

Project Topics: Intelligent Techniques and Algorithms for Representing and Compressing Data Streams in Mobile Computing Enviroments; Methods and Approaches for Effectively and Efficiently Managing Data Streams in Mobile Computing Enviroments; Methods and Approaches for Effectively and Efficiently Querying Data Streams in Mobile Computing Enviroments

Project Duration: 24 months

Participant

2010

[RP21] Region Calabria, POR Research Project “*GE.CO – Knowledge Management*”

Project Topics: Ontology-Based Multidimensional Data Management; Semantic OLAP and Semantic OLAP Data Cubes: Models, Issues, Techniques; Design and Testing of Effective and Efficient Algorithms for Computing Semantic OLAP Data Cubes

Project Duration: 18 months

Participant

2009

[RP20] National Research Council (CNR), Research Project “*Technological Infrastructure of the Electronic Sanitary Paper (ESF)*”

Project Topics: Intelligent Decision Support Systems in E-Health Environments: Models, Issues, Approaches; Intelligent Metadata Management and Integration in E-Health Information Systems: Multidimensional Paradigms; Ontology-Based E-Health Information Systems: Models, Issues, Trade-Off Analysis, Practical Solutions

Project Duration: 18 months

Partecipant

2009

[RP19] Italian Ministry of Education, University and Research (MIUR) and

Region Calabria POR Research Project “*Technological Logistics Laboratory in Calabria (LOGICA)*”

Project Topics: Multidimensional Analysis of Logistic Data: Models, Methodologies, Tools; Effective and Efficient OLAP Data Cube Compression over Logistic Data; Techniques and Algorithms for Querying Compressed OLAP Data Cubes over Logistic Data

Project Duration: 24 months

Participant

2009

[**RP18**] Italian Ministry of Education, University and Research (MIUR), PRIN Research Project “*A System for Supporting Distributed Management and Querying of Sensor Data*”

Project Topics: Models, Techniques and Algorithms for Compressing Multidimensional Sensor Data in Grid Environments; Effective and Efficient Techniques for Managing Compressed Multidimensional Sensor Data over Grids; Effective and Efficient Algorithms for Querying Compressed Multidimensional Sensor Data over Grids

Project Duration: 24 months

Participant

2009

[**RP17**] Italian Ministry of Education, University and Research (MIUR), FIRB Research Project “*Grid.it: Enabling Platforms for High-Performance Computational Grids Oriented to Scalable Organizations*”

Project Topics: Models, Techniques and Algorithms for Supporting Approximate OLAP Queries over Sensor Data in Grid Environments; Optimal Query Plans for Supporting Efficient OLAP Query Evaluation over Sensor Data in Grid Environments; Algorithms for Supporting Scalable OLAP Query Evaluation over Sensor Data in Grid Environments

Project Duration: 36 months

Participant

2008

[**RP16**] Italian Ministry of Education, University and Research (MIUR), FIRB Research Project “*Grid.it: Distributed High-Performance Platforms – Integration of High-Performance Software Libraries and Data Mining Components*”

Project Topics: Models, Techniques and Algorithms for Supporting Data Mining Queries over Sensor Data in Grid Environments; Optimal Task Execution Plans for Supporting Efficient Data Mining Query Evaluation over Sensor Data in Grid Environments; Algorithms for Supporting Scalable Data Mining Query Evaluation over Sensor Data in Grid Environments

Project Duration: 36 months

Participant

2008

[**RP15**] National Research Council (CNR), Research Project “*SP1 Project: Internet Networks – Integration, Efficiency, Security*”

Project Topics: Models and Techniques for Supporting the Integration of Internet Networks in Next-Generation Applications; Intelligent Frameworks for Data Integration over Heterogenous Inter-Networks; Flexible Data Integration Tools Design for Heterogenous Inter-Networks

Project Duration: 36 months

Participant

2007

[**RP14**] Italian Ministry of Education, University and Research (MIUR), FIRB Research Project “*Knowledge-Oriented Technologies for Combinations of Enterprises over Internet (TOCAL.IT)*”

Project Topics: Knowledge-Based Models and Tools for Designing

Aggregations of Enterprises; Semantic-Based Integration of Complex Enterprise Data Models; Intelligent Tools and Methods for Supporting Semantics OLAP Queries over Aggregations of Enterprises

Project Duration: 48 months

Participant

2007

[RP13] Italian Ministry of Education, University and Research (MIUR), FAR Research Project “*Design and Prototyping of a Bank-Intelligence System*”

Project Topics: Design and Development of Flexible XML-Based Bank Intelligence Systems; Design and Development of Intelligent Web Interfaces over Advanced Bank Intelligence Systems; Design and Development of Complex Software Architectures for Supporting Bank Intelligence on the Web

Project Duration: 24 months

Participant

2006

[RP12] Italian Ministry of Education, University and Research (MIUR), FAR Research Project “*Design and Prototyping of a System for User Profiling and an Adaptive Server*”

Project Topics: Intelligent Adaptive Web Systems: Models and Paradigms; Design and Development of User-Oriented Adaptive Servers for Next-Generation Web Applications; Advanced Probabilistic Models for Supporting User-Oriented Adaptive Web Interfaces

Project Duration: 24 months

Participant

2006

[RP11] Italian Ministry of Education, University and Research (MIUR), FAR Research Project “*Intelligent and Adaptive Environments for Supporting e-Government and E-Democracy in Local Public Administrations*”

Project Topics: Models, Techniques and Algorithms for Supporting OLAP over Mobile Devices; Data Cube Compression Algorithms for Supporting OLAP over Mobile Devices; Advanced Multidimensional Data Indexing Techniques for Supporting OLAP over Mobile Devices; Compressed Data Cube Query Algorithms for Supporting OLAP over Mobile Devices

Project Duration: 24 months

Participant

2005

[RP10] Italian Ministry of Education, University and Research (MIUR) and Region Calabria, POR Research Project “*ICT Regional Laboratory (ICT-LAB)*”

Project Topics: Models, Techniques and Algorithms for Supporting Effective and Efficient OLAP Data Cube Compression; Advanced Query Algorithms over Compressed OLAP Data Cubes; Advanced Interfaces for Querying Compressed OLAP Data; Intelligent Applications and Systems over Compressed OLAP Data

Project Duration: 24 months

Participant

2005

[RP9] Italian Ministry of the Productive Activities (MINCOMES), Research Project “*IT Solutions for Supply-Chains, Districts and Associations of SME (SFIDA-PMI)*”

Project Topics: Models, Techniques and Algorithms for Designing Advanced Data Warehousing Architectures over Supply-Chain Systems; Models, Techniques and Algorithms for Supporting Effective and Efficient ETL Processes over Data Warehouses in Complex Systems; Models and Techniques for Supporting Effective and Efficient Data-Warehouse Data Representation in Complex Systems; Models, Techniques and Algorithms for Supporting

- Effective and Efficient Data-Warehouse Data Querying in Complex Systems
 Project Duration: 48 months
Participant **2005**
- [RP8]** Italian Ministry of Education, University and Research (MIUR), FIRB
 Research Project “*ELectronic Live ADaptive lEarning (EL.L.AD.E.)*”
 Project Topics: Intelligent E-Learning Information Systems, Integration of
 Knowledge Management, Learning Management and Talent Management in
 Advanced E-Learning Systems, Reusable Learning Object Modeling and
 Management in Complex E-Learning Information Systems
 Project Duration: 18 months
Participant **2004**
- [RP7]** Italian Ministry of Education, University and Research (MIUR), FAR
 Research Project “*PILOT – Interoperability Platform for LOGistics and
 Transports*”
 Project Topics: Data Warehousing Modeling and Design for Interoperable
 Information Systems, ETL Modeling and Design for Interoperable Information
 Systems, Multidimensional Analysis and Mining of Logistic Data, OLAP over
 Logistic Data, Multidimensional Query Languages over Logistic Data, MDX-
 Based Interfaces over Logistic Data
 Project Duration: 36 months
Participant **2004**
- [RP6]** Italian Ministry of Education, University and Research (MIUR), FAR
 Research Project “*Multichannel-Aware Reengineering of the Banking-
 Information-System’s Back Office*”
 Project Topics: Multichannel Adaptive Information Systems, Adaptive User
 Modeling and Characterization, Adaptive User Interfaces, Intelligent Data-
 Mining-Based Based Applications and Systems, Web Intelligence Systems
 Project Duration: 24 months
Participant **2004**
- [RP5]** Italian Ministry of Education, University and Research (MIUR),
 Research Project “*SERVIR: Experimenting Innovative Services with Software
 Companies*”
 Project Topics: Advanced Cluster-Based Database Applications; Data
 Compression Paradigms for Advanced Cluster-Based Database Applications;
 Data and Services Personalization Methods in Advanced Cluster-Based
 Database Applications; Models, Techniques and Algorithms for Supporting
 System-Driven Data Compression in Advanced Cluster-Based Database
 Applications
 Project Duration: 36 months
Participant **2003**
- [RP4]** Italian Ministry of Education, University and Research (MIUR),
 Research Project “*Enhancement of the Calabria-Region’s Archaeological and
 Monumental Heritage – Sub-System I: Multimedia and Telematics Tools for
 the Promotion and Enhancement of Cultural Emergencies in Calabria*”
 Project Topics: Models, Techniques and Algorithms for Supporting Adaptive
 Web Systems; Probabilistic Approaches to User-Driven Personalization of
 Complex Web Systems; Intelligent Algorithms for User-Driven
 Personalization in Complex Web Systems; Semantics-Based Approaches to
 Web User Personalization
 Project Duration: 24 months
Participant **2003**

[RP3] Italian Ministry of Education, University and Research (MIUR), Research Project “*Multichannel Front-Office for Intelligent Online Banking*”
 Project Topics: Models, Techniques and Algorithms for Profiling Users in Online Banking Systems; Data Mining Algorithms for Clustering Users in Online Banking Systems; Adaptive Web Systems in the Context of Online Banking Systems; User-Driven and Device-Driven Data Compression Algorithms in Online Banking Systems
 Project Duration: 24 months
Participant **2002**

[RP2] Italian Ministry of Education, University and Research (MIUR), Research Project “*Complex Systems and Advanced Platforms for Wireless Applications*”
 Project Topics: Models, Techniques and Systems for Wireless Adaptive Applications; User-Driven and Device-Driven Personalization Methods for Advanced Wireless Applications; Data Compression Paradigms for Advanced Wireless Applications; Device-Aware Data Compression for Advanced Wireless Applications
 Project Duration: 24 months
Participant **2002**

[RP1] Italian Ministry of Education, University and Research (MIUR) and National Research Council (CNR), Research Project “*Development of Advanced Graphics Technologies for Industrial and Commercial Applications – Sub-Project Video on Demand Systems*”
 Project Topics: Models, Techniques and Algorithms for Supporting Wavelet-Based Compression of Data Cubes; Models, Techniques and Algorithms for Compressing Wavelets over Congestioned Networks; Adaptive Approaches for Managing Wavelet-Based Compressed Data Cubes in Network Environments; On-Demand Advanced Libraries over Wavelet-Based Compressed Data Cubes in Distributed Environments
 Project Duration: 24 months
Participant **2001**

Section E: Research Result Dissemination and Promotion

E.1. Invited Speaker Roles in International Conferences

[IS50] 9th International Conference on Fuzzy Systems and Data Mining (FSDM 2023), Chongqing, China, November 10-13, 2023
 “Advanced Machine Learning Structures over Big Data Repositories: Definitions, Models, Properties, Algorithms”
Invited Speaker **11/2023**

[IS49] 4th International Conference on Data Analytics and Management (ICDAM 2023), London, United Kingdom, June 23-24, 2023
 “Multidimensional Big Data Analytics: Evolving OLAP and BI towards Next-Generation Big Data Analytics Systems”
Invited Speaker **06/2023**

[IS48] 3rd International Conference on Information Technology (InCITE 2023), Noida, Uttar Pradesh, India, March 2-3, 2023
 “Multidimensional Big Data Analytics: Models, Issues and Perspectives”
Invited Speaker **03/2023**

[IS47] 13th IEEE International Conference on Cloud Computing, Data Science & Engineering (CONFLUENCE 2023), Noida, Uttar Pradesh, India, January 19-20, 2023

“The Role of Multidimensional Analysis in Big Data Analytics: What is Now and What is Next”

Invited Speaker

01/2023

[IS46] 2022 IEEE 8th International Conference on Multimedia Big Data (BigMM 2022), Naples, Italy, December 5-7, 2022

“Multidimensional Big Data Analytics over Big Web Knowledge Bases: Models, Issues, Research Trends, and a Reference Architecture”

Invited Speaker

12/2022

[IS45] 2022 International Conference on Data Science and Emerging Technologies (DaSET 2022), Petaling Jaya, Selangor, Malaysia, December 20-21, 2022

“Big Data Analytics over Cloud Key-Value Stores”

Invited Speaker

10/2022

[IS44] 17th IEEE International Workshop on Spatial and Spatio-Temporal Data Mining (SSTDM 2022) in conjunction with 2022 IEEE International Conference on Data Mining (ICDM 2022), Orlando, FL, USA, November 28 – December 1, 2022

“Scalable Joins over Big Data Streams: Actual and Future Trends”

Invited Speaker

11/2022

[IS43] 19th International Conference on Smart Business Technologies (ICSBT 2022), Lisbon, Portugal, July 14-16, 2022

“Compressing Big OLAP Data Cubes in Big Data Analytics Systems: New Paradigms and Future Research Perspectives”

Invited Speaker

07/2022

[IS42] 11th International Conference on Data Science, Technology and Applications (DATA 2022), Lisbon, Portugal, July 11-13, 2022

Panel: “Model Driven vs Data Driven Solutions: Challenges and Opportunities”

“Model-Driven vs Data-Driven Big Data Applications: Fundamentals, Pros and Cons”

Invited Speaker

07/2022

[IS41] 2021 Huawei Annual Storage Architecture Summit, Tel Aviv, Israel, December 13-14, 2021

“Data Compression Paradigms for Big Data Lakes: The Case of Big Multidimensional Data”

Invited Speaker

12/2021

[IS40] 16th IEEE International Workshop on Spatial and Spatio-Temporal Data Mining (SSTDM 2021) in conjunction with 2021 IEEE International Conference on Data Mining (ICDM 2021), Auckland, New Zealand, December 7-10, 2021

“Big Data Analytics over Big Data Streams: Models, Paradigms, Issues”

Invited Speaker

12/2021

[IS39] 4th International Workshop on Semantic Web Meets Health Data Management (SWH 2021) in conjunction with 20th International Semantic Web Conference (ISWC 2021), Virtual, October 24-28, 2021

“Multidimensional Big Data Analytics over Big Healthcare Data: Models, Issues, Techniques”

Invited Speaker

10/2021

[IS38] 4th IEEE International Workshop on Big Data Analysis for Smart Energy (BigData4SmartEnergy 2020) in conjunction with 2020 IEEE International Conference on Data Mining (ICDM 2020), Sorrento, Italy, November 17-20, 2020

“Scalable Distributed Pivot Analysis over Massive Big Data: Models, Paradigms, New Advancements”

Invited Speaker

11/2020

[IS37] 2020 ACM International Conference on Cloud and Big Data Computing (ICCBDC 2020), Liverpool, United Kingdom, August 26-28, 2020

“OLAPing Big Social Data: Multidimensional Big Data Analytics over Big Social Data Repositories”

Invited Speaker

08/2020

[IS36] 12th IEEE International Workshop on Security Aspects in Processes and Services Engineering (SAPSE 2020) in conjunction with 44th IEEE International Computer Software & Applications Conference (COMPSAC 2020), Madrid, Spain, July 13-17, 2020

“Advanced, Privacy-Preserving and Approximate Big Data Management and Analytics in Distributed Environments: What is Now and What is Next”

Invited Speaker

06/2020

[IS35] 14th IEEE International Workshop on Spatial and Spatio-Temporal Data Mining (SSTDm 2019) in conjunction with 2019 IEEE International Conference on Data Mining (ICDM 2019), Beijing, China, November 8-11, 2019

“Management and Analytics of Big Data Sources in Intelligent Smart Environments: Where We Are and Where We Are Going”

Invited Speaker

11/2019

[IS34] 2019 ACM International Conference on Cloud and Big Data Computing (ICCBDC 2019), Oxford, United Kingdom, August 28-30, 2019

“Big Data Analytics: Recent Trends and Future Advancements”

Invited Speaker

08/2019

[IS33] 13th IEEE International Workshop on Spatial and Spatio-Temporal Data Mining (SSTDm 2018) in conjunction with 2018 IEEE International Conference on Data Mining (ICDM 2018), Singapore, Singapore, November 17-20, 2018

“Spatial and Spatio-Temporal OLAP Query Processing: Models, Issues and Applications to Big Data Analytics”

Invited Speaker

11/2018

[IS32] 6th IEEE International Workshop on Data Science and Big Data Analytics (DSBDA 2018) in conjunction with 2018 IEEE International Conference on Data Mining (ICDM 2018), Singapore, Singapore, November 17-20, 2018

“Multidimensional-Abstractions-Based Big Data Analytics, Mining and Prediction over Big-Data-Compliant Business Processes: A Comprehensive Framework”

Invited Speaker

11/2018

[IS31] 1st ACM International Workshop on Knowledge-Driven Analytics (KDA 2018) in conjunction with 27th ACM International Conference on Information and Knowledge Management (CIKM 2018), Turin, Italy, October 22-26, 2018

“Supporting OLAP-Based Big Data Analytics over Data-Intensive Business Processes: Issues, Models, Proposals, and a Real-Life Framework”

Invited Speaker **10/2018**

[IS30] 20th International Conference on Big Data Analytics and Knowledge Discovery (DaWaK 2018), Regensburg, Germany, September 3-6, 2018

Panel: “Big Data Management and Analytics”

“OLAP over Big Data: Models, Issues, Perspectives”

Invited Speaker **09/2018**

[IS29] 2018 ACM International Conference on Cloud and Big Data Computing (ICCBDC 2018), Barcelona, Spain, August 3-5, 2018

“Scalable Privacy-Preserving Big Data Management and Analytics: Where We Are and Where We Are Going”

Invited Speaker **08/2018**

[IS28] 7th IEEE International Congress on Big Data (BigData Congress 2018), Seattle, WA, USA, June 25-30, 2018

Tutorial: “Multidimensional Clustering over Big Data: Models, Issues, Analysis”

Invited Speaker **06/2018**

[IS27] 2018 Collaborative Conference on Probability Theory and Statistics (CCPTS 2018), Dubrovnik, Croatia, May 7-11, 2018

“Advanced Probability Estimators for Theoretically-Sound Approximate Query Answering over Big Data”

Invited Speaker **05/2018**

[IS26] 3rd IEEE/ACM International Workshop on Distributed Big Data Management (DBDM 2018) in conjunction with 18th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGRID 2018), Washington, DC, USA, May 1-4, 2018

“Provenance Models and Methodologies over Big Data”

Invited Speaker **05/2018**

[IS25] 1st ACM International Workshop on Social Media Analytics for Smart Cities (SMASC 2017) in conjunction with 26th ACM International Conference on Information and Knowledge Management (CIKM 2017), Singapore, Singapore, November 6-10, 2017

“OLAPing Big Social Data: The New Frontier for Big Social Data Computing”

Invited Speaker **11/2017**

[IS24] 2017 ACM International Conference on Cloud and Big Data Computing (ICCBDC 2017), London, UK, September 18-20, 2017

“Scalable OLAP-Based Big Data Analytics over Cloud Infrastructures: Models, Issues, Algorithms”

Invited Speaker **09/2017**

[IS23] 9th IEEE International Workshop on Security Aspects in Processes and Services Engineering (SAPSE 2017) in conjunction with 41st IEEE International Computer Software & Applications Conference (COMPSAC 2017), Turin, Italy, July 4-8, 2017

- “Querying Encrypted OLAP Data”**
Invited Speaker **07/2017**
- [IS22]** 17th International Conference on Web Engineering (ICWE 2017), Rome, Italy, June 5-8, 2017
 Tutorial: “Big Web Data: Warehousing and Analytics – Recent Trends and Future Challenges”
Invited Speaker **06/2017**
- [IS21]** 40th MIPRO International Conference on Business Intelligent Systems (BIS 2017), Opatija, Croatia, May 22-26, 2017
 “Multidimensional Mining of Big Social Data for Supporting Advanced Big Data Analytics”
Invited Speaker **05/2017**
- [IS20]** 35th International Conference on Conceptual Modeling (ER 2016), Gifu, Japan, November 14-17, 2016
 Tutorial: “Multidimensional Database Modeling and Querying: Methods, Experiences and Challenging Problems”
Invited Speaker **11/2016**
- [IS19]** 6th International Conference on Emerging Databases – Technologies, Applications, and Theory (EDB 2016), Jeju, South Korea, October 17-19, 2016
 “Big Data Compression Paradigms for Supporting Efficient and Scalable Data-Intensive IoT Frameworks”
Invited Speaker **10/2016**
- [IS18]** 1st International Workshop on Challenges in Information Security and Privacy Management (ISPM 2016) in conjunction with 11th International Conference on Availability, Reliability and Security (ARES 2016), Salzburg, Austria, August 31 - September 2, 2016
 Panel: “Challenges for Information Security Management”
 “Privacy-Preserving Big Data Provenance: Definitions, Models, Challenges”
Invited Speaker **08/2016**
- [IS17]** 8th IEEE International Workshop on Security Aspects in Processes and Services Engineering (SAPSE 2016) in conjunction with 40th IEEE International Computer Software & Applications Conference (COMPSAC 2016), Atlanta, GE, USA, June 10-14, 2016
 “A Reference Architecture for Supporting Secure Big Data Analytics over Cloud-Enabled Relational Databases”
Invited Speaker **06/2016**
- [IS16]** 40th IEEE International Computer Software & Applications Conference (COMPSAC 2016), Atlanta, GE, USA, June 10-14, 2016
 Panel: “Novel Applications and Technology Advances in Computing”
 “Big Data Management within IoT Frameworks: Principles, Models, Challenges”
Invited Speaker **06/2015**
- [IS15]** 2016 ACM International Conference on Internet of Things and Cloud Computing (ICC 2016), Cambridge, UK, March 22-23, 2016
 “Warehousing and Protecting Big Data”
Invited Speaker **03/2016**
- [IS14]** 2015 International Symposium on Cloud and Trusted Computing (CTC

2015), Rhodes, Greece, October 24-26, 2016

Panel: “Trust in Big Data and Big Data for Trust”

“Privacy-Preserving Big Data Techniques and Trustness”

Invited Speaker

10/2015

[IS13] 7th IEEE International Workshop on Security Aspects in Processes and Services Engineering (SAPSE 2015) in conjunction with 39th IEEE International Computer Software & Applications Conference (COMPSAC 2015), Taichung, Taiwan, July 1-5, 2015

“Provenance Research Issues and Challenges in the Big Data Era”

Invited Speaker

07/2015

[IS12] 4th International Workshop on Databases (WDatabases 2014), Jeju, South Korea, August 20-21, 2014

“OLAPing and Mining Big Data: Large-Scale, Long-Running, Serendipitous Computations within Next-Generation Clouds”

Invited Speaker

08/2014

[IS11] 3rd IEEE International Congress on Big Data – Coimbra Satellite Session (BigData Congress 2014) Anchorage, AK, USA, June 27 - July 2, 2014

“Data Warehousing and OLAP over Big Data”

Invited Speaker

05/2014

[IS10] 4th LNCS International Conference on Future Generation Information Technology (FGIT 2012), Gangneung, South Korea, December 16-19, 2012

“Uncertain OLAP over Multidimensional Data Streams: State-of-the-Art Analysis and Research Perspectives”

Invited Speaker

12/2012

[IS9] 8th IEEE International Conference on Semantics, Knowledge and Grids (SKG 2012), Beijing, China, October 22-24, 2012

“Data Compression Techniques and Algorithms for Effectively and Efficiently Managing Multidimensional Stream Cubes over Grids”

Invited Speaker

10/2012

[IS8] 5th European Conference on Data Mining (ECDM 2012), Lisbon, Portugal, July 21-23, 2012

“OLAPing Exact and Uncertain Multidimensional Data Streams”

Invited Speaker

07/2012

[IS7] Dagstuhl Seminar 2011 “Data Warehousing: from Occasional OLAP to Real-Time Business Intelligence”, Dagstuhl, Germany, September 4-9, 2011

“Managing, Mining and Making-Privacy-Preserving Multidimensional OLAP Data Cubes”

Invited Speaker

09/2011

[IS6] 6th IEEE International Workshop on Flexible Database and Information Systems Technologies (FlexDBIST 2011) in conjunction with 22nd International Conference on Database and Expert Systems Applications (DEXA 2011), Toulouse, France, August 29 - September 2, 2011

“Record Linkage in Data Warehousing: State-of-the-Art Analysis and Research Perspectives”

Invited Speaker

09/2011

[IS5] 34th MIPRO International Conference on Business Intelligent Systems

	(BIS 2011), Opatija, Croatia, May 23-27, 2011 “Privacy Preserving OLAP: Models, Issues, Algorithms” Invited Speaker	05/2011
	[IS4] 2nd LNCS International Conference on Future Generation Information Technology (FGIT 2010), Jeju, South Korea, December 13-15, 2010 “OLAP Data Cube Compression Techniques: A Ten-Year-Long History” Invited Speaker	12/2010
	[IS3] 5th IEEE International Workshop on Flexible Database and Information Systems Technologies (FlexDBIST 2010) in conjunction with 21st International Conference on Database and Expert Systems Applications (DEXA 2010), Bilbao, Spain, August 30 - September 3, 2010 “OLAP over Uncertain and Imprecise Data: Fundamental Issues and Novel Research Perspectives” Invited Speaker	09/2010
	[IS2] 4th IEEE International Workshop on Flexible Database and Information Systems Technologies (FlexDBIST 2009) in conjunction with 20th International Conference on Database and Expert Systems Applications (DEXA 2009), Linz, Austria, August 31 - September 4, 2009 “Cubing Algorithms for XML Data” Invited Speaker	09/2009
	[IS1] 2nd IEEE International Workshop on XML Data Management Tools and Techniques (XANTEC 2007) in conjunction with 18th International Conference on Database and Expert Systems Applications (DEXA 2007), Regensburg, Germany, September 3-7, 2007 “Synopsis Data Structures for XML Databases: Models, Issues, and Research Perspectives” Invited Speaker	09/2007
E.2. Panel Leader and Moderator Roles in International Conferences	[LM35] 2023 IEEE International Conference on Big Data (BigData 2023), Sorrento, Italy, December 15-18, 2023 “Reinforcement Learning Algorithms over Big Data” Panel Leader and Moderator	12/2023
	[LM34] 2023 IEEE International Conference on Big Data (BigData 2023), Sorrento, Italy, December 15-18, 2023 “Privacy and Security of Big Data: Companions or Enemies?” Panel Leader and Moderator	12/2023
	[LM33] 7th IEEE International Workshop on Distributed Big Data Management (DBDM 2022) in conjunction with 46th Annual IEEE International Computer Software and Applications Conference (COMPSAC 2022), Turin, Italy, June 27 - July 1, 2022 “Predictive Analytics over Big Media Data: Models, Issues, and Research Perspectives” Panel Leader and Moderator	07/2022
	[LM32] 28th International Symposium on Temporal Representation and Reasoning (TIME 2021), Klagenfurt, Austria, September 27-29, 2021 “Temporal Big Data Analytics: New Frontiers for Big Data Analytics Research” Panel Leader and Moderator	10/2021

- [LM31]** 33rd ACM International Conference on Scientific and Statistical Database Management (SSDBM 2021), Tampa, FL, USA, July 6-7, 2021
 “Scalable Query Processing and Query Engines over Cloud Databases: Models, Paradigms, Techniques, Future Challenges”
Panel Leader and Moderator **07/2021**
- [LM30]** 8th IEEE International Conference on Big Data and Smart Computing (BigComp 2021), Jeju Island, South Korea, January 17-20, 2021
 “Big Data Lakes: Models, Frameworks, and Techniques”
Panel Leader and Moderator **01/2021**
- [LM29]** 32nd ACM International Conference on Scientific and Statistical Database Management (SSDBM 2020), Vienna, Austria, July 7-9, 2020
 “Multidimensional Clustering over Big Data: Models, Issues, Analysis, Emerging Trends”
Panel Leader and Moderator **07/2020**
- [LM28]** 7th IEEE International Conference on Big Data and Smart Computing (BigComp 2020), Pusan, South Korea, February 19-22, 2020
 “Multidimensional Big Data Analytics over Big Social Data Repositories”
Panel Leader and Moderator **02/2020**
- [LM27]** 2019 IEEE International Conference on Big Data (BigData 2019), Los Angeles, CA, USA, December 9-12, 2019
 “Privacy-Preserving Machine Learning on Big Data: Models, Issues and Research Perspectives”
Panel Leader and Moderator **12/2019**
- [LM26]** 6th IEEE International Workshop on Privacy and Security of Big Data (PSBD 2019) in conjunction with 2019 IEEE International Conference on Big Data (BigData 2019), Los Angeles, CA, USA, December 9-12, 2019
 “Methods and Tools for Privacy-Preserving Big Graph Data Management and Analytics”
Panel Leader and Moderator **12/2019**
- [LM25]** 21st ACM International Conference on Information Integration and Web-based Applications & Services (iiWAS2019), Munich, Germany, December 2-4, 2019
 “Big Data Management and Analytics in Intelligent Smart Environments: State of the Art Analysis and Future Research Directions”
Panel Leader and Moderator **12/2019**
- [LM24]** 4th IEEE/ACM International Workshop on Distributed Big Data Management (DBDM 2019) in conjunction with 19th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGRID 2019), Larnaca, Cyprus, May 14-17, 2019
 “Effective and Efficient Big Data Management in Distributed Environments: Models, Issues, and Research Perspectives”
Panel Leader and Moderator **05/2019**
- [LM23]** 17th IEEE International Conference on Machine Learning and Applications (ICMLA 2018), Orlando, FL, USA, December 17-20, 2018
 “Machine Learning Models for Supporting Knowledge Discovery from Big Multidimensional Data: Approaches and Methods”
Panel Leader and Moderator **12/2018**

[LM22] 5th IEEE International Workshop on Privacy and Security of Big Data (PSBD 2018) in conjunction with 2018 IEEE International Conference on Big Data (BigData 2018), Seattle, WA, USA, December 10-13, 2018

“Privacy-Preserving Big Data Management and Analytics Models, Methods and Techniques in Specific Domains: Static and Dynamic Distributed Environments”

Panel Leader and Moderator

12/2017

[LM21] 33d IEEE/ACM International Workshop on Distributed Big Data Management (DBDM 2018) in conjunction with 18th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2018), Washington, DC, USA, May 1-4, 2018

“Models and Algorithms for Distributed Big Data Analytics”

Panel Leader and Moderator

05/2018

[LM20] 16th IEEE International Conference on Machine Learning and Applications (ICMLA 2017), Cancun, Mexico, December 18-21, 2017

“Privacy and Security Aspects of Machine Learning Algorithms over Big Data”

Panel Leader and Moderator

12/2017

[LM19] 4th IEEE International Workshop on Privacy and Security of Big Data (PSBD 2017) in conjunction with 2017 IEEE International Conference on Big Data (BigData 2017), Boston, MA, USA, December 11-14, 2017

“Privacy Issues of Big Data Exchange over Clouds”

Panel Leader and Moderator

12/2017

[LM18] 10th IEEE International Workshop on Privacy and Anonymity in the Information Society (PAIS 2017) in conjunction with 2017 IEEE International Conference on Data Mining (ICDM 2017), New Orleans, LA, USA, November 18-21, 2017

“Privacy-Preserving Big Data Stream Mining: Opportunities, Challenges, Directions”

Panel Leader and Moderator

11/2017

[LM17] 2nd IEEE/ACM International Workshop on Distributed Big Data Management (DBDM 2017) in conjunction with 17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2017), Madrid, Spain, May 14-17, 2017

“MapReduce Algorithms for Graph-Like Big Data Processing”

Panel Leader and Moderator

05/2017

[LM16] 15th IEEE International Conference on Machine Learning and Applications (ICMLA 2016), Anaheim, CA, USA, December 18-20, 2016

“Machine Learning Methods and Techniques for Supporting Cybersecurity over Big Data: Opportunities and Trends”

Panel Leader and Moderator

12/2016

[LM15] 3rd IEEE International Workshop on Privacy and Security of Big Data (PSBD 2016) in conjunction with 2016 IEEE International Conference on Big Data (BigData 2016), Washington, DC, USA, December 5-8, 2016

“Privacy Issues of Big Data Management: What’s Next?”

Panel Leader and Moderator

12/2016

[LM14] 17th IEEE International Conference on Mobile Data Management

- (MDM 2016), Porto, Portugal, June 13-16, 2016
 “Advanced Query Answering Techniques over Big Mobile Data”
Panel Leader and Moderator **06/2016**
- [LM13]** (in collaboration with Carlos Ordonez) 1st IEEE/ACM International Workshop on Distributed Big Data Management (DBDM 2016) in conjunction with 16th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2016), Cartagena, Colombia, May 16-19, 2016
 “Parallel Processing in High-Performance Computing versus Database Systems and Hadoop Frameworks”
Panel Leader and Moderator **05/2016**
- [LM12]** 9th International Workshop on Privacy and Anonymity in the Information Society (PAIS 2016) in conjunction with 19th International Conference on Extending Database Technology (EDBT 2016), Bordeaux, France, March 15-18, 2016
 “Big Data Provenance: State-Of-The-Art Analysis and Emerging Research Challenges”
Panel Leader and Moderator **03/2016**
- [LM11]** 22nd IEEE International Symposium on Temporal Representation and Reasoning (TIME 2015), Kassel, Germany, September 23-25, 2015
 “Temporal Big Data Management”
Panel Leader and Moderator **09/2015**
- [LM10]** 27th ACM International Conference on Scientific and Statistical Database Management (SSDBM 2015), San Diego, CA, USA, June 29 - July 1, 2015
 “Aggregation and Multidimensional Analysis of Big Data for Large-Scale Scientific Applications”
Panel Leader and Moderator **06/2015**
- [LM9]** 17th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2014) in conjunction with 23rd ACM Conference on Information and Knowledge Management (CIKM 2014), Shanghai, China, November 3-7, 2014
 “Big Graphs Analytics”
Panel Leader and Moderator **11/2014**
- [LM8]** 1st ACM International Workshop on Privacy and Security of Big Data (PSBD 2014) in conjunction with 23rd ACM Conference on Information and Knowledge Management (CIKM 2014), Shanghai, China, November 3-7, 2014
 “Privacy and Security of Big Data”
Panel Leader and Moderator **11/2014**
- [LM7]** 4th LNCS International Conference on Model & Data Engineering (MEDI 2014), Larnaca, Cyprus, September 24-26, 2014
 “Mining Big Data”
Panel Leader and Moderator **07/2014**
- [LM6]** 16th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2013) in conjunction with 22th ACM Conference on Information and Knowledge Management (CIKM 2013), San Francisco, CA, USA, October 27 - November 1, 2013
 “Data Warehousing and OLAP over Big Data”
Panel Leader and Moderator **10/2013**

[LM5] 17th ACM International Database Engineering & Applications Symposium (IDEAS 2013), Barcelona, Spain, October 9-11, 2013
“Big Data: Theory and Practice”

Panel Leader and Moderator **10/2013**

[LM4] 37th Annual IEEE International Computer Software and Applications Conference (COMPSAC 2013), Kyoto, Japan, July 22-26, 2013
“Big Data”

Panel Leader and Moderator **07/2013**

[LM3] (in collaboration with Mohamed M. Gaber) 6th LNCS International Conference on Scalable Uncertainty Management (SUM 2012), Marburg, Germany, September 17-19, 2012
“Massive Data Streams”

Panel Leader and Moderator **09/2012**

[LM2] 14th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2011) in conjunction with 20th ACM Conference on Information and Knowledge Management (CIKM 2011), Glasgow, UK, October 24-28, 2011
“Analytics over Large-Scale Multidimensional Data”

Panel Leader and Moderator **10/2011**

[LM1] 5th LNCS International Conference on Scalable Uncertainty Management (SUM 2011), Dayton, OH, USA, October 10-12, 2011
“Databases and Uncertainty”

Panel Leader and Moderator **10/2011**

**E.3. National and
International Visiting
Positions (Invited Seminar)**

[VI92] DataCom Lab
Huawei Paris Research Center, Paris, France
Visiting Position (Invited Seminar) **09/2023**

[VI91] Department of Computer Science
University of Paris City, Paris, France
Visiting Position (Invited Seminar) **05/2023**

[VI90] Algorithmic Data Analytics Lab
ISI Foundation, Turin, Italy
Visiting Position (Invited Seminar) **01/2020**

[VI89] Department of Computing and Mathematics
Manchester Metropolitan University, Manchester, UK
Visiting Position (Invited Seminar) **11/2019**

[VI88] Department of Computer Science and Technology
Tsinghua University, Beijing, China
Visiting Position (Invited Seminar) **11/2019**

[VI87] Institute of Computing Technology
Chinese Academy of Science, Beijing, China
Visiting Position (Invited Seminar) **11/2019**

[VI86] Department of Computer Science and Engineering
University of Bologna, Bologna, Italy
Visiting Position (Invited Seminar) **10/2019**

[VI85] Department of Engineering for Innovation University of Salento, Lecce, Italy Visiting Position (Invited Seminar)	09/2019
[VI84] Department of Electrical Engineering and Information Technologies University of Naples “Federico II”, Naples, Italy Visiting Position (Invited Seminar)	07/2019
[VI83] Department of Management Information Systems University of Salerno, Salerno, Italy Visiting Position (Invited Seminar)	06/2019
[VI82] LORIA University of Lorraine, Nancy, France Visiting Position (Invited Seminar)	05/2019
[VI81] Department of Computer Science University of Bourgogne Franche-Comte, Besancon, France Visiting Position (Invited Seminar)	05/2019
[VI80] Department of Cognitive Computing University of Messina, Messina, Italy Visiting Position (Invited Seminar)	05/2019
[VI79] Department of Life Sciences University of Trieste, Trieste, Italy Visiting Position (Invited Seminar)	05/2019
[VI78] Department of Information Systems University of Lausanne, Lausanne, Switzerland Visiting Position (Invited Seminar)	11/2018
[VI77] Etisalat – British Telecom ICT Research and Innovation Centre (EBTIC) Abu Dhabi, United Arab Emirates Visiting Position (Invited Seminar)	10/2018
[VI76] Department of Computer Science University of Verona, Verona, Italy Visiting Position (Invited Seminar)	06/2018
[VI75] Department of Electrical and Computer Engineering The George Washington University Washington, DC, USA Visiting Position (Invited Seminar)	05/2018
[VI74] High Performance Computing Laboratory Pacific Northwest National Laboratory (PNNL) Richland, WA, USA Visiting Position (Invited Seminar)	05/2018
[VI73] High-Performance Computing Group International School for Advanced Studies (SISSA), Trieste, Italy Visiting Position (Invited Seminar)	05/2018
[VI72] Etisalat – British Telecom ICT Research and Innovation Centre	

(EBTIC) Abu Dhabi, United Arab Emirates Visiting Position (Invited Seminar)	02/2018
[VI71] College of Computer and Information Science Northeastern University, Boston, MA, USA Visiting Position (Invited Seminar)	12/2017
[VI70] College of Engineering Boston University, Boston, MA, USA Visiting Position (Invited Seminar)	12/2017
[VI69] Institute of High Performance Computing Agency for Science, Technology and Research (A*STAR), Singapore, Singapore Visiting Position (Invited Seminar)	11/2017
[VI68] Computer Science Department University “Claude Bernard” of Lyon, Lyon, France Visiting Position (Invited Seminar)	09/2017
[VI67] Department of Management Information Systems University of Salerno, Salerno, Italy Visiting Position (Invited Seminar)	06/2017
[VI66] Department of Computer Science University of Verona, Verona, Italy Visiting Position (Invited Seminar)	05/2017
[VI65] Statistical Physics Group International School for Advanced Studies (SISSA), Trieste, Italy Visiting Position (Invited Seminar)	03/2017
[VI64] School of Computing Dublin City University, Dublin, Ireland Visiting Position (Invited Seminar)	11/2016
[VI63] Department of Information Systems Engineering Osaka University, Osaka, Japan Visiting Position (Invited Seminar)	11/2016
[VI62] Department of Information Engineering Nagoya University, Nagoya, Japan Visiting Position (Invited Seminar)	11/2016
[VI61] Department of Computer Engineering Kyung Hee University, Seoul, South Korea Visiting Position (Invited Seminar)	10/2016
[VI60] Department of Industrial Engineering Inha University, Incheon, South Korea Visiting Position (Invited Seminar)	10/2016
[VI59] School of Computer Science The University of Manchester, Manchester, UK Visiting Position (Invited Seminar)	09/2016

[VI58] Department of Computer Engineering University of Rijeka, Rijeka, Croatia Visiting Position (Invited Seminar)	07/2016
[VI57] Laboratory of Artificial Intelligence and Decision Support University of Porto, Porto, Portugal Visiting Position (Invited Seminar)	06/2016
[VI56] Department of Computer Science Eindhoven University of Technology, Eindhoven, The Netherlands Visiting Position (Invited Seminar)	06/2016
[VI55] Department of Science and Technology University of Naples “Parthenope”, Naples, Italy Visiting Position (Invited Seminar)	06/2016
[VI54] Department of Physics University of Naples “Federico II”, Naples, Italy Visiting Position (Invited Seminar)	06/2016
[VI53] Scientific Computing Team Sincrotrone Research Center, Trieste, Italy Visiting Position (Invited Seminar)	05/2016
[VI52] Department of Distributed Computing and Information Processing CREATE-NET Research Center, Trento, Italy Visiting Position (Invited Seminar)	05/2016
[VI51] Research & Development Department ESTECO Research Center, AREA Science Park, Trieste, Italy Visiting Position (Invited Seminar)	04/2016
[VI50] Department of Computer Science and Software Engineering Concordia University, Montreal, Canada Visiting Position (Invited Seminar)	04/2016
[VI49] Department of Science and Technology University of Bordeaux, Bordeaux, France Visiting Position (Invited Seminar)	03/2016
[VI47] Department of Computer Engineering University of Salerno, Salerno, Italy Visiting Position (Invited Seminar)	02/2016
[VI46] Department of Management, Information and Production Engineering University of Bergamo, Bergamo, Italy Visiting Position (Invited Seminar)	02/2016
[VI45] Department of Informatics, Modeling, Electronics and Systems Engineering University of Calabria, Rende, Italy Visiting Position (Invited Seminar)	01/2016
[VI44] Department of Informatics University of Lugano, Lugano, Switzerland	

Visiting Position (Invited Seminar)	11/2015
[VI43] School of Computer Science and Information Technology RMIT University, Melbourne, VIC, Australia	
Visiting Position (Invited Seminar)	10/2015
[VI42] School of Information Technology Deakin University, Burwood, VIC, Australia	
Visiting Position (Invited Seminar)	10/2015
[VI41] Department of Computing and Information Systems University of Melbourne, Melbourne, VIC, Australia	
Visiting Position (Invited Seminar)	10/2015
[VI40] Computer Science and Technology Institute Polytechnical University of Valencia, Valencia, Spain	
Visiting Position (Invited Seminar)	09/2015
[VI39] Department of Computer Engineering University of Rijeka, Rijeka, Croatia	
Visiting Position (Invited Seminar)	07/2015
[VI38] Department of Computer Science and Information Engineering National Cheng Kung University, Tainan, Taiwan	
Visiting Position (Invited Seminar)	07/2015
[VI37] San Diego Supercomputer Center UC San Diego, San Diego, CA, USA	
Visiting Position (Invited Seminar)	07/2015
[VI36] Department of Environmental Science, Informatics, and Statistics University of Venice, Venice, Italy	
Visiting Position (Invited Seminar)	06/2015
[VI35] Department of Informatics, Modeling, Electronics and Systems Engineering University of Calabria, Rende, Italy	
Visiting Position (Invited Seminar)	05/2015
[VI34] Department of Computer Science and Engineering Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam	
Visiting Position (Invited Seminar)	05/2015
[VI33] Department of Computer Engineering University of Bergamo, Bergamo, Italy	
Visiting Position (Invited Seminar)	05/2015
[VI32] Shenzhen Institutes of Advanced Technology Chinese Academy of Science, Shenzhen, China	
Visiting Position (Invited Seminar)	05/2015
[VI31] Department of Computer Science University of Salerno, Salerno, Italy	
Visiting Position (Invited Seminar)	01/2015
[VI30] Department of Computer Science and Information Systems	

Birkbeck University of London, London, UK Visiting Position (Invited Seminar)	09/2014
[VI29] Department of Computer Science University of Porto, Porto, Portugal Visiting Position (Invited Seminar)	07/2014
[VI27] Coimbra Institute of Engineering Polytechnic of Coimbra, Coimbra, Portugal Visiting Position (Invited Seminar)	05/2014
[VI26] Department of Computer Science Engineering University of Coimbra, Coimbra, Portugal Visiting Position (Invited Seminar)	05/2014
[VI25] Department of Informatics and Telecommunications University of Athens, Athens, Greece Visiting Position (Invited Seminar)	03/2014
[VI24] Department of Computer Science University of Tours, Tours, France Visiting Position (Invited Seminar)	03/2014
[VI23] Department of Informatics University of Lugano, Lugano, Switzerland Visiting Position (Invited Seminar)	12/2013
[VI22] Department of Computer Science University of California, Santa Barbara, CA, USA Visiting Position (Invited Seminar)	11/2013
[VI21] School of Computer Science Cardiff University, Cardiff, UK Visiting Position (Invited Seminar)	10/2013
[VI20] Web Mining Research Group Yahoo! Research, Barcelona, Spain Visiting Position (Invited Seminar)	10/2013
[VI19] School of Systems Engineering The University of Reading, Reading, UK Visiting Position (Invited Seminar)	07/2013
[VI18] Department of Computer Information and Communication Engineering Catholic University of Daegu, Daegu, South Korea Visiting Position (Invited Seminar)	12/2012
[VI17] Department of Computer and Information Science University of Konstanz, Konstanz, Germany Visiting Position (Invited Seminar)	11/2012
[VI16] Department of Computer Science and Technology Tsinghua University, Beijing, China Visiting Position (Invited Seminar)	10/2012
[VI15] Institute of Computing Technology	

Chinese Academy of Sciences, Beijing, China Visiting Position (Invited Seminar)	10/2012
[VI14] Department of Mathematics, Physics and Computer Science University of Poitiers, Poitiers, France Visiting Position (Invited Seminar)	10/2012
[VI13] Austria Competence Center for Security Research Vienna University of Technology, Vienna, Austria Visiting Position (Invited Seminar)	09/2012
[VI12] Department of Computer and Decision Engineering Free University of Brussels, Brussels, Belgium Visiting Position (Invited Seminar)	08/2012
[VI11] Department of Mathematics and Computer Science University of Warsaw, Warsaw, Poland Visiting Position (Invited Seminar)	05/2012
[VI10] Department of Computer Science University of Turin, Turin, Italy Visiting Position (Invited Seminar)	12/2011
[VI9] Department of Computer Science Free University of Bozen-Bolzano, Bolzano, Italy Visiting Position (Invited Seminar)	11/2011
[VI8] Ohio Center of Excellence in Knowledge-enabled Computing Wright State University, Dayton, OH, USA Visiting Position (Invited Seminar)	10/2011
[VI7] Department of Applied Computing University of Zagreb, Zagreb, Croatia Visiting Position (Invited Seminar)	05/2011
[VI6] Department of Computer and Multimedia Engineering Hannam University, Daejeon, South Korea Visiting Position (Invited Seminar)	12/2010
[VI5] Department of Electronics, Computer Science, and Systems University of Bologna, Bologna, Italy Visiting Position (Invited Seminar)	09/2010
[VI4] Department of Computer Science Free University of Bozen-Bolzano, Bolzano, Italy Visiting Position (Invited Seminar)	06/2010
[VI3] Department of Information and Communication Engineering Fukuoka Institute of Technology, Fukuoka, Japan Visiting Position (Invited Seminar)	05/2010
[VI2] Department of Computer Science Purdue University, West Lafayette, IN, USA Visiting Position (Invited Seminar)	11/2009
[VI1] Department of Computer Science	

University of Turin, Turin, Italy
Visiting Position (Invited Seminar)

03/2009

Section F: International Research Cooperation Services

F.1. Direction and Member Roles in International Scientific Societies	[SS13] National Group on Computer Science (GRIN) Italy Board Member	since 09/2019
	[SS12] National Group on Computer Engineering (GII) Italy Board Member	since 03/2015
	[SS11] National Interuniversity Consortium for Telecommunications (CNIT) Italy Board Member	since 03/2018
	[SS10] IEEE Technical Committee on Big Data USA Board Member	since 10/2016
	[SS9] IEEE Technical Committee on Services Computing USA Board Member	since 10/2016
	[SS8] Expert Network on Human-Computer Interaction and Knowledge Discovery/Data Mining Austria Scientific Board Member	since 07/2013
	[SS7] Science & Engineering Research Support Society South Korea Chair for the Italy Part	since 06/2012
	[SS6] IEEE Technical Committee on Environmental Informatics and Sensor Networks USA Scientific Board Member	since 04/2012
	[SS5] Machine Intelligence Research Labs USA Scientific Board Member	since 03/2012
	[SS4] IEEE Technical Committee on Soft Computing USA Scientific Board Member	since 02/2012
	[SS3] Institute of Electrical and Electronics Engineers (IEEE) USA Society Member	since 05/2011
	[SS2] IAPR Technical Committee on Graphics Recognition France Scientific Committee Member	since 12/2010

[SS1] Future Technology Research Association International
South Korea
Regional Director for Europe & Middle East **since 07/2010**

**F.2. Steering Committee
Member Roles in
International Conferences**

[SM11] IEEE International Conference on Data Mining (ICDM)
USA
Steering Committee Member (Invited) **since 11/2019**

[SM10] LNCS/IEEE International Conference on Computational Science and
Its Applications (ICCSA)
Canada
Steering Committee Member **since 10/2017**

[SM9] IEEE International Computer Software & Applications Conference
(COMPSAC)
USA
Steering Committee Member **since 06/2016**

[SM8] ACM International Conference on Big Data and Advanced Wireless
Technologies (BDAW)
France
Steering Committee Member **since 03/2016**

[SM7] IEEE/ACM Symposium on Cluster, Cloud and Grid Computing
(CCGrid)
USA
Steering Committee Member (Invited) **since 05/2015**

[SM6] ACM Symposium on Applied Computing (SAC)
USA
Steering Committee Member (Invited) **since 04/2015**

[SM5] ASLT International Conference on Advanced Science and Technology
(AST)
South Korea
Steering Committee Member **since 03/2015**

[SM4] ACM International Conference on Information and Knowledge
Management (CIKM)
USA
Steering Committee Member (Invited) **since 11/2014**

[SM3] LNCS/LNAI International Conference on Knowledge-Based and
Intelligent Information & Engineering Systems (KES)
UK
Steering Committee Member (Invited) **since 09/2012**

[SM2] ACM International Workshop on Data Warehousing and OLAP
(DOLAP)
USA
Steering Committee Member **since 10/2011**

[SM1] MIPRO International Conference on Business Intelligence Systems
(BIS)

Croatia		
Steering Committee Member		since 05/2010

F.3. Award Committee Member Roles in International Conferences	[AC3] 25th International Workshop on Design, Optimization, Languages and Analytical Processing of Big Data (DOLAP 2023)	
	USA	
	Test of Time Award Committee Member	12/2022
	[AC2] 22nd International Conference on Extending Database Technology – Demo (EDBT 2019)	
	Germany	
	Award Committee Member	03/2017
F.4. Institutional Responsible Roles in International Research Cooperation	[AC1] 20th International Conference on Extending Database Technology – Demo (EDBT 2017)	
	Germany	
	Award Committee Member	03/2017
	[CI23] Department of Computer Science ESEO Great School of Engineering, Angers, France (in collaboration with Slimane Hammoudi)	
	Responsible for the Research Project Cooperation Agreement	03/2023
	[CI22] Department of Computer Science University of Paris City, Paris, France (in collaboration with Themis Palpanas)	
	Responsible for the Research Project Cooperation Agreement	10/2022
	[CI21] Department of Computer Science Athens University of Economics and Business, Athens, Greece (in collaboration with Vana Kalogeraki)	
	Responsible for the Research Project Cooperation Agreement	01/2017
	[CI20] Department of Informatics and Telecommunications University of Athens, Athens, Greece (in collaboration with Dimitris Gunopulos)	
	Responsible for the Research Project Cooperation Agreement	01/2017
	[CI19] Department of Computer Science, Electrical and Space Engineering Lulea University of Technology, Lulea, Sweden (in collaboration with Athanasios V. Vasilakos)	
	Responsible for the Research Project Cooperation Agreement	12/2016
	[CI18] Department of Digital Humanities Eurecat, Barcelona, Spain (in collaboration with Andreas Kaltenbrunner)	
	Responsible for the Research Project Cooperation Agreement	12/2016
	[CI17] Department of Energy Technologies, ICT Division ENEA, Roma, Italy (in collaboration with Silvio Migliori)	
	Responsible for the Research Project Cooperation Agreement	12/2016
	[CI16] School of Computer Science	

The University of Manchester, Manchester, UK
(in collaboration with Norman Paton)
Responsible for the Research Project Cooperation Agreement 12/2016

[CI15] Department of Computer Science
University of Manitoba, Manitoba, MB, Canada
(in collaboration with Carson K. Leung)
Responsible for the Research Cooperation Agreement 11/2012-02/2015

[CI14] Computer Science Department
Israel Institute of Technology, Haifa, Israel
(in collaboration with Assaf Schuster)
Responsible for the Research Project Cooperation Agreement 03/2012

[CI13] Department of Computer Science
Aalborg University, Aalborg, Denmark
(in collaboration with Torben B. Pedersen)
Responsible for the Research Project Cooperation Agreement 03/2012

[CI12] Department of Computer Science
Purdue University, West Lafayette, IN, USA
(in collaboration with Elisa Bertino)
Responsible for the Research Project Cooperation Agreement 03/2012

[CI11] Department of Computer Science
University of Toronto, Toronto, ON, Canada
(in collaboration with Renée J. Miller)
Responsible for the Research Project Cooperation Agreement 03/2012

[CI10] Computer Science Department
Worcester Polytechnic Institute, Worcester, MA, USA
(in collaboration with Elke Rundensteiner)
Responsible for the Research Project Cooperation Agreement 03/2012

[CI9] School of Computing Science
Simon Fraser University, Burnaby, BC, Canada
(in collaboration with Jian Pei)
Responsible for the Research Project Cooperation Agreement 03/2012

[CI8] School of Computing
University of Portsmouth, Portsmouth, UK
(in collaboration with Mohamed M. Gaber)
Responsible for the Research Project Cooperation Agreement 03/2012

[CI7] School of Informatics
University of Edinburgh, Edinburgh, UK
(in collaboration with Wenfei Fan)
Responsible for the Research Project Cooperation Agreement 03/2012

[CI6] School of Information Technology and Electrical Engineering
University of Queensland, Brisbane, QLD, Australia
(in collaboration with Xiaofang Zhou)
Responsible for the Research Project Cooperation Agreement 03/2012

[CI5] Web Mining Research Group
Yahoo! Research, Barcelona, Spain

(in collaboration with Francesco Bonchi)	
Responsible for the Research Cooperation Agreement	06/2010
[CI4] Department of Data, Knowledge and Services University “Claude Bernard” of Lyon, Lyon, France (in collaboration with Mohand-Said Hacid)	
Responsible for the Research Cooperation Agreement	05/2010
[CI3] Faculty of Engineering and Natural Sciences Sabanci University, Istanbul, Turkey (in collaboration with Yucel Saygin)	
Responsible for the Research Cooperation Agreement	06/2009
[CI2] Information Retrieval and User Engagement Research Group Yahoo! Research, Barcelona, Spain (in collaboration with Ricardo Baeza-Yates)	
Responsible for the Research Cooperation Agreement	05/2009
[CI1] Department of Computer Science and Statistics University “Lumiere” of Lyon, Lyon, France (in collaboration with Jerome Darmont)	
Responsible for the Research Cooperation Agreement	10/2008

F.5. Institutional Responsible Roles in National Research Cooperation

[CN5] Department of Engineering University of Trieste, Trieste, Italy (in collaboration with Sara Marceglia)	
Responsible for the Research Cooperation Agreement	since 07/2020
[CN4] Department of Mathematics and Computer Science University of Calabria, Rende, Italy (in collaboration with Pasquale Rullo)	
Responsible for the Research Cooperation Agreement	since 07/2019
[CN3] Department of Cognitive Sciences University of Messina, Messina, Italy (in collaboration with Giorgio Mario Grasso)	
Responsible for the Research Cooperation Agreement	since 01/2018
[CN2] Department of Information Engineering and Mathematical Methods University of Bergamo, Bergamo, Italy (in collaboration with Giuseppe Psaila)	
Responsible for the Research Cooperation Agreement	12/2010-12/2013
[CN1] Department of Physics – Computer Science Section University of Messina, Messina, Italy (in collaboration with Andrea Nucita)	
Responsible for the Research Cooperation Agreement	03/2010-12/2013

F.6. Review Panel Member Roles in International Research Councils and Funding Agencies

[PR21] <i>State Research Agency (AEI), Ministry of Economic Affairs and Digital Transformation (MINECO), Spain</i>	
Review Panel Member	since 04/2022
[PR20] <i>Qatar National Research Fund (QNRF), Qatar</i>	
Review Panel Member	since 04/2021

[PR19] <i>King Abdullah International Medical Research Center (KAIMRC), Saudi Arabia</i> Review Panel Member	since 01/2021
[PR18] <i>University of Cyprus Research Committee (UCY), Cyprus</i> Review Panel Member	since 09/2020
[PR17] <i>National Science Center (NCN), Poland</i> Review Panel Member	since 11/2019
[PR16] <i>Swiss National Science Foundation (SNSF), Switzerland</i> Review Panel Member	since 07/2019
[PR15] <i>Trond Mohn Foundation (TMF), Norway</i> Review Panel Member	since 04/2019
[PR14] <i>Dutch Research Council (NWO), The Netherlands</i> Review Panel Member	since 12/2018
[PR13] <i>Czech Science Foundation (GACR), Czech Republic</i> Review Panel Member	since 09/2018
[PR12] <i>Fund for Scientific Research-FNRS (F.R.S.-FNRS), Belgium</i> Review Panel Member	since 07/2017
[PR11] <i>National Research Foundation of Korea (NRF), South Korea</i> Review Panel Member	since 03/2017
[PR10] <i>Austrian Science Fund (FWF), Austria</i> Review Panel Member	since 01/2017
[PR9] <i>National Irish Center for High-End Computing (ICHEC), Ireland</i> Review Panel Member	since 09/2016
[PR8] <i>National Research Agency (ANR), France</i> Review Panel Member	since 04/2015
[PR7] <i>National Agency for Scientific Evaluation (ANEP), Spain</i> Review Panel Member	since 03/2015
[PR6] <i>National Center of Science and Technology Evaluation (NCSTE), Kazakhstan</i> Review Panel Member	since 11/2014
[PR5] <i>European Patent Office (EPO), Germany</i> Review Panel Member	since 07/2014
[PR4] <i>Natural Sciences and Engineering Research Council of Canada (NSERC), Canada</i> Review Panel Member	since 10/2013
[PR3] <i>National Fund for Scientific and Technological Development, (FONDECYT), Chile</i> Review Panel Member	since 10/2013

[PR2] *Israeli Science Foundation (ISF), Israel*
Review Panel Member **since 01/2013**

[PR1] *Italian Ministry of Education, University and Research (MIUR), Italy*
Review Panel Member **since 01/2013**

Section G: International Research Community Services

G.1. Institutional Roles in International Conference Proceedings and Journals **[IR2] *Ambassador, Elsevier*** **since 07/2012**
[IR1] *Fellow Editor, Springer* **since 06/2012**

G.2. Editor Roles in International Series **[SE2] *Communications in Computer and Information Science, Springer*** **Funding Editor** **since 07/2015**
[SE1] *Communications in Computer and Information Science, Springer* **Series Editor** **06/2012-06/2015**

G.3. Editor-In-Chief Roles in International Journals **[CE7] *International Journal of Big Data Engineering and Analytics, OAE Publishing*** **since 05/2021**
[CE6] *Modelling, MDPI* **since 08/2020**
[CE5] *International Journal of Computer Science and Knowledge Engineering, Serials* **01/2015-12/2015**
[CE4] *International Journal of Information Technology and Database Systems, Serials* **01/2015-12/2015**
[CE3] *International Journal of Big Data Security Intelligence, SERSC* **12/2014-12/2015**
[CE2] *International Journal of Big Data Technologies, SERSC* **06/2013-12/2014**
[CE1] *International Journal of Engineering and Industries, AICIT* **since 06/2010**

G.4. Associate Editor Roles in International Journals **[AE13] *Frontiers in High Performance Computing, Frontiers*** **since 06/2023**
[AE12] *Knowledge and Information Systems, Springer* **since 11/2022**
[AE11] *Frontiers in Big Data, Frontiers* **since 09/2020**
[AE10] *Journal of Parallel and Distributed Computing, Elsevier* **03/2017-06/2022**
[AE9] *Social Networks Analysis and Mining, Springer* **since 01/2017**
[AE8] *International Journal of Advanced Research in Big Data Management System, GV School Publications* **since 11/2016**

- [AE7] *International Journal of Internet of Things and Big Data, GV School Publications* **since 11/2016**
- [AE6] *Engineering Applications of Artificial Intelligence, Elsevier* **since 03/2016**
- [AE5] *Frontiers in Digital Humanities – Big Data, Frontiers* **01/2016-06/2020**
- [AE4] *Frontiers in ICT – Big Data, Frontiers* **01/2016-06/2020**
- [AE3] *Big Data Research, Elsevier* **since 10/2013**
- [AE2] *Information Sciences, Elsevier* **06/2012-12/2020**
- [AE1] *International Journal of Software Engineering and Knowledge Engineering, World Scientific* **01/2010-01/2012**

**G.5. Editorial Board
Member Roles in
International Journals**

- [EJ20] *Artificial Intelligence in Health, AccScience Publishing* **since 08/2023**
- [EJ19] *Journal of Data Science and Intelligent Systems, Bon View Publishing* **since 01/2023**
- [EJ18] *Artificial Intelligence and Applications, Bon View Publishing* **since 10/2022**
- [EJ17] *International Journal of Data Mining, Modelling and Management, InderScience* **since 03/2021**
- [EJ16] *Encyclopedia - Mathematics & Computer Science, MDPI* **since 08/2020**
- [EJ15] *International Journal of Intelligent Systems, Wiley* **02/2020-02/2023**
- [EJ14] *Journal of Reliable Intelligent Environments, Springer* **since 10/2018**
- [EJ13] *Applied Computing and Informatics, Elsevier* **since 06/2017**
- [EJ12] *Big Data and Cognitive Computing, MDPI* **since 05/2017**
- [EJ11] *Journal of Database Management, IGI Global* **since 03/2017**
- [EJ10] *International Journal of Social Network Mining, InderScience* **since 01/2015**
- [EJ9] *International Journal of Big Data Intelligence, InderScience* **since 07/2014**
- [EJ8] *International Journal of Distributed Sensor Networks, SAGE Publishing* **since 04/2014**
- [EJ7] *International Journal of Big Data, Services Society* **since 06/2013**
- [EJ6] *International Journal of Cloud Computing, Services Society* **since 06/2013**

- [EJ5] *Information Systems, Elsevier* since 07/2012
- [EJ4] *International Journal of Distributed Systems and Technologies, IGI Global* since 03/2010
- [EJ3] *International Journal of Web Applications, DIRF* since 03/2009
- [EJ2] *Journal of Emerging Technologies in Web Intelligence, ETP* since 02/2009
- [EJ1] *International Journal on Advances in Internet Technologies, IARIA* 01/2009-12/2014

G.6. Special Issue Editor Roles in International Journals

- [JE36] (in collaboration with Christine Strauss) *Knowledge and Information Systems, Springer*, Special Issue on “*Innovative Aspects of Big Data Modelling, Management and Mining*”, Vol. ?, No. ?, 2023
- [JE35] (in collaboration with Slimane Hammoudi, Oleg Gusikhin) *SN Computer Science, Springer*, Special Issue on “*Advances on Data Science, Technology and Applications*”, Vol. ?, No. ?, 2023
- [JE34] (in collaboration with Xiuzhen Zhang, Shuliang Wang, Gao Cong) *Complexity, Wiley*, Special Issue on “*Social Big Data: Mining, Management and Applications*”, Vol. 2019, No. 1, 2019
- [JE33] (in collaboration with Timos Sellis) *Information Systems, Elsevier*, Special Issue on “*Extending Big Data Management via Semantics: Recent Innovations*”, Vol. 88, No. 1, 2019
- [JE32] *Journal of Ambient Intelligence and Humanized Computing, Springer*, Special Issue on “*Big Data Intelligence*”, Vol. 10, No. 9, 2019
- [JE31] *International Journal of Data Mining, Modelling and Management, InderScience*, Special Issue on “*Big Data Engineering: Recent Advances in Intelligent Methods, Methodologies and Techniques*”, Vol. 11, No. 3, 2019
- [JE30] (in collaboration with Timos Sellis) *Journal on Data Semantics, Springer*, Special Issue on “*Semantics-Aware Approaches to Big Data Engineering*”, Vol. 6, No. 2, 2017
- [JE29] (in collaboration with Alkis Simitsis, Il-Yeol Song) *Information Systems, Elsevier*, Special Issue on “*Big Data Management: New Frontiers, New Paradigms*”, Vol. 63, No. 1, 2017
- [JE28] *Algorithms, MDPI*, Special Issue on “*Algorithms for Managing, Querying and Processing Big Data in Cloud Environments*”, Vol. 9, No. 1, 2016
- [JE27] (in collaboration with Jinfeng Hu, Laurence T. Yang) *Journal of Internet Technology, TANet*, Special Issue on “*Advances in Multimedia Signal Processing and Communication Technologies for Future Networking Systems*”, Vol. 17, No. 5, 2016
- [JE26] *Journal on Data Semantics, Springer*, Special Issue on “*Semantics Meets Big Data: Formal Models, Practical Issues, Novel Paradigms*”, Vol. 5,

No. 1, 2016

[JE25] (in collaboration with Ladjel Bellatreche, Il-Yeol Song) *Information Systems, Elsevier*, Special Issue on “*Advances in Data Warehousing and OLAP in the Big Data Era*”, Vol. 53, No. 1, 2015

[JE24] *Journal of Intelligent Information Systems, Springer*, Special Issue on “*Design, Implementation and Validation of AI-Inspired Information Systems*”, Vol. 45, No. 1, 2015

[JE23] (in collaboration with Umeshwar Dayal) *Transactions on Large-Scale Data- and Knowledge-Centered Systems, Springer*, Special Issue on “*Data Warehousing and Knowledge Discovery from Big Data*”, Vol. 9260, No. 21, 2015

[JE22] (in collaboration with Zbigniew W. Ras) *Fundamenta Informaticae, IOS Press*, Special Issue on “*Warehousing and OLAPing Complex, Spatial and Spatio-Temporal Data*”, Vol. 132, No. 2, 2014

[JE21] *Future Generation Computer Systems, Elsevier*, Special Issue on “*Innovative Methods and Algorithms for Advanced Data-Intensive Computing*”, Vol. 37, No. 1, 2014

[JE20] (in collaboration with Jerzy Stefanowski, Dominik Slezak) *Information Sciences, Elsevier*, Special Issue on “*Processing and Mining Complex Data Streams*”, Vol. 285, 2014

[JE19] *Information Systems, Elsevier*, Special Issue on “*Optimization Issues of Querying and Evolving Sensor and Stream Databases*”, Vol. 39, No. 1, 2014

[JE18] *Journal of Grid Computing, Springer*, Special Issue on “*Models and Algorithms for High-Performance Data Management and Mining on Computational Grids and Clouds*”, Vol. 12, No. 3, 2014

[JE17] (in collaboration with Michael Hobbs, Yang Xiang, Laurence T. Yang) *Concurrency and Computation: Practice & Experience, Wiley*, Special Issue on “*Advances in Parallel, Distributed, Embedded, and Ubiquitous Systems*”, Vol. 25, No. 14, 2013

[JE16] *Information Systems, Elsevier*, Special Issue on “*Advances in Managing, Updating and Querying Uncertain and Imprecise Sensor and Stream Databases*”, Vol. 38, No. 8, 2013

[JE15] (in collaboration with Il-Yeol Song) *International Journal of Data Warehousing and Mining, IGI Global*, Special Issue on “*Managing, Evolving and Distributing Data Warehouses and OLAP Data Cubes in Novel Environments*”, Vol. 9, No. 3, 2013

[JE14] *Journal of Computer and System Sciences, Elsevier*, Special Issue on “*Theoretical and Practical Aspects of Warehousing, Querying and Mining Sensor and Streaming Data*”, Vol. 79, No. 3, 2013

[JE13] *Journal of Parallel and Distributed Computing, Elsevier*, Special Issue on “*Models and Algorithms for High-Performance Distributed Data Mining*”, Vol. 73, No. 3, 2013

[JE12] (in collaboration with Umeshwar Dayal) *Transactions on Large-Scale Data- and Knowledge-Centered Systems*, Springer, Special Issue on “Advances in Data Warehousing and Knowledge Discovery”, Vol. 7790, No. 8, 2013

[JE11] (in collaboration with Donghwi Lee, Pascal Lorenz, Yasushi Kambayashi) *Cluster Computing*, Springer, Special Issue on “High-Performance Computing and Security”, Vol. 15, No. 1, 2012

[JE10] *Information Sciences*, Elsevier, Special Issue on “Intelligent Knowledge-Based Models and Methodologies for Complex Information Systems”, Vol. 194, 2012

[JE9] *International Journal of Engineering Intelligent Systems*, CRL Publishing, Special Issue on “Advances in Creation, Management and Utilization of Data Streams”, Vol. 20, No. 3, 2012

[JE8] *Journal of Network and Computer Applications*, Elsevier, Special Issue on “Intelligent Algorithms for Data-Centric Sensor Networks”, Vol. 35, No. 4, 2012

[JE7] *Data & Knowledge Engineering*, Elsevier, Special Issue on “Pushing Artificial Intelligence in Database and Data Warehouse Systems”, Vol. 70, No. 8, 2011

[JE6] *International Journal of Data Mining, Modelling and Management*, InderScience, Special Issue on “Advances in Mining, Modelling and Managing Complex Data”, Vol. 3, No. 2, 2011

[JE5] *Journal of Computer and System Sciences*, Elsevier, Special Issue on “Distributed XML Processing and Management: Theory and Practice”, Vol. 77, No. 6, 2011

[JE4] *Knowledge and Information Systems*, Springer, Special Issue on “Data Warehousing and Knowledge Discovery from Sensors and Streams”, Vol. 28, No. 3, 2011

[JE3] *Data & Knowledge Engineering*, Elsevier, Special Issue on “Advanced Knowledge-based Systems”, Vol. 69, No. 7, 2010

[JE2] *International Journal of Business Intelligence and Data Mining*, InderScience, Special Issue on “OLAP Intelligence: Meaningfully Coupling OLAP and Data Mining Tools and Algorithms”, Vol. 3, No. 3-4, 2009

[JE1] *Journal of Digital Information Management*, DIR Foundation, Special Issue on “Advances in Querying Non-Conventional Data Sources”, Vol. 5, No. 4, 2007

G.7. Editor Roles in International Books

[BE64] (in collaboration with Rakesh Agrawal, Jingrui He, Themis Palpanas, Wei Wang, Xiaohua Hu) “2023 IEEE International Conference on Big Data (Big Data)”, IEEE, 2023

[BE63] (in collaboration with Hossain Shahriar, Yuuichi Teranishi, Moushumi Sharmin, Dave Towey, A. K. M. Jahangir Alam Majumder, Hiroki Kashiwazaki, Ji-Jiang Yang, Michiharu Takemoto, Nazmus Sakib, Ryohei Banno, Sheikh Iqbal Ahamed) “47th IEEE Annual Computers, Software, and

Applications Conference, COMPSAC 2023”, IEEE, 2023

[BE62] (in collaboration with Oleg Gusikhin, Slimane Hammoudi, Christoph Quix) “*Data Management Technologies and Applications - 10th International Conference, DATA 2021, Virtual Event, and 11th International Conference, DATA 2022, Lisbon, Portugal, Revised Selected Papers*”, *Communications in Computer and Information Science*, Vol. 1860, Springer, 2023

[BE61] (in collaboration with Oleg Gusikhin, Slimane Hammoudi) “*Proceedings of the 12th International Conference on Data Science, Technology and Applications, DATA 2023*”, *SciTePress*, 2023

[BE60] (in collaboration with Hong Va Leong, Sahra Sedigh Sarvestani, Yuuichi Teranishi, Hiroki Kashiwazaki, Dave Towey, Ji-Jiang Yang, Hossain Shahriar) “*46th IEEE Annual Computers, Software, and Applications Conference, COMPSAC 2022*”, *IEEE*, 2022

[BE59] (in collaboration with Christine Strauss, Gabriele Kotsis, A Min Tjoa, Ismail Khalil) “*Database and Expert Systems Applications - 33rd International Conference, DEXA 2022*”, *Part I, Lecture Notes in Computer Science*, Springer, 2022

[BE58] (in collaboration with Christine Strauss, Gabriele Kotsis, A Min Tjoa, Ismail Khalil) “*Database and Expert Systems Applications - 33rd International Conference, DEXA 2022*”, *Part II, Lecture Notes in Computer Science*, Springer, 2022

[BE57] (in collaboration with Oleg Gusikhin, Wil M. P. van der Aalst, Slimane Hammoudi) “*Proceedings of the 11th International Conference on Data Science, Technology and Applications, DATA 2022*”, *SciTePress*, 2022

[BE56] (in collaboration with Michele Coscia, Kai Shu, Ralf Klamma, Sharyn O'Halloran, Jon G. Rokne) “*ASONAM '21: International Conference on Advances in Social Networks Analysis and Mining*”, *ACM*, 2021

[BE55] (in collaboration with Yixin Chen, Heiko Ludwig, Yicheng Tu, Usama M. Fayyad, Xingquan Zhu, Xiaohua Hu, Suren Byna, Xiong Liu, Jianping Zhang, Shirui Pan, Vagelis Papalexakis, Jianwu Wang, Carlos Ordonez) “*2021 IEEE International Conference on Big Data (Big Data)*”, *IEEE*, 2021

[BE54] (in collaboration with Wookey Lee, Luonan Chen, Yang-Sae Moon, Julien Bourgeois, Mehdi Bennis, Yu-Feng Li, Young-guk Ha, Hyuk-Yoon Kwon) “*2020 IEEE International Conference on Big Data and Smart Computing, BigComp 2020*”, *IEEE Computer Society*, 2020

[BE53] (in collaboration with Claudia Plant, Haixun Wang, Carlo Zaniolo, Xindong Wu) “*2020 IEEE International Conference on Data Mining, ICDM 2020*”, *IEEE Computer Society*, 2020

[BE52] (in collaboration with Giuseppe Di Fatta, Victor Sheng, Carlo Zaniolo, Xindong Wu) “*2020 IEEE International Conference on Data Mining Workshops, ICDMW 2020*”, *IEEE Computer Society*, 2020

[BE51] (in collaboration with Ebad Banissi, Farzad Khosrow-Shahi, Anna Ursyn, Mark W. McK. Bannatyne, João Moura Pires, Nuno Datia, Kawa Nazemi, Boris Kovalerchuk, John Counsell, Andrew Agapiou, Zora Vrcelj,

Hing-Wah Chau, Mengbi Li, Gehan Nagy, Richard Laing, Rita Francese, Muhammad Sarfraz, Fatma Bouali, Gilles Venturini, Marjan Trutschl, Urska Cvek, Heimo Müller, Minoru Nakayama, Marco Temperini, Tania Di Mascio, Filippo Sciarrone, Veronica Rossano, Ralf Dörner, Loredana Caruccio, Autilia Vitiello, Weidong Huang, Michele Risi, Ugo Erra, Razvan Andonie, Muhammad Aurangzeb Ahmad, Ana Figueiras, Mabule Samuel Mabakane) “*24th IEEE International Conference on Information Visualisation, IV 2020*”, *IEEE Computer Society*, 2020

[BE50] (in collaboration with Sergio Greco, Henrik Legind Larsen, Domenico Saccà, Troels Andreasen, Henning Christiansen) “*Flexible Query Answering Systems – 13th International Conference, FQAS 2019*”, *Springer*, 2019

[BE49] (in collaboration with Francesco Bonchi, Dimitris Gunopulos) “*Proceedings of the CIKM 2018 Workshops co-located with 27th ACM International Conference on Information and Knowledge Management (CIKM 2018)*”, *CEUR Workshop Proceedings*, 2019

[BE48] (in collaboration with James Allan, Norman Paton, Divesh Srivastava, Rakesh Agrawal, Andrei Broder, Mohammed Zaki, Selcuk Candan, Alexandros Labrinidis, Assaf Schuster, Haixun Wang) “*CIKM 2018, 27th ACM International Conference on Information and Knowledge Management*”, *ACM*, 2018

[BE47] (in collaboration with Ebad Banissi, Rita Francese, Mark W. McK. Bannatyne, Theodor G. Wyeld, Muhammad Sarfraz, João Moura Pires, Anna Ursyn, Fatma Bouali, Nuno Miguel Soares Datia, Gilles Venturini, Tania Di Mascio, Marco Temperini, Filippo Sciarrone, Delfina Malandrino, Rocco Zaccagnino, Paloma Díaz, Fragkiskos Papadopoulos, Antonio Fernandez Anta, Michele Risi, Ugo Erra, Veronica Rossano) “*21st IEEE International Conference on Information Visualisation, IV 2018*”, *IEEE Computer Society*, 2018

[BE46] (in collaboration with Esam El-Araby, Dhabaleswar K. Panda, Sandra Gesing, Amy W. Apon, Volodymyr V. Kindratenko, Massimo Cafaro) “*18th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing, CCGRID 2018*”, *IEEE Computer Society*, 2018

[BE45] (in collaboration with Giuseppe Borruso, Osvaldo Gervasi, Bernady O. Apduhan, Beniamino Murgante, Ana Maria Rocha, David Taniar) “*Computational Science and Its Applications – 17th International Conference, ICCSA 2017*”, *Part I, Lecture Notes in Computer Science, Springer*, 2017

[BE44] (in collaboration with Giuseppe Borruso, Osvaldo Gervasi, Bernady O. Apduhan, Beniamino Murgante, Ana Maria Rocha, David Taniar) “*Computational Science and Its Applications – 17th International Conference, ICCSA 2017*”, *Part II, Lecture Notes in Computer Science, Springer*, 2017

[BE43] (in collaboration with Giuseppe Borruso, Osvaldo Gervasi, Bernady O. Apduhan, Beniamino Murgante, Ana Maria Rocha, David Taniar) “*Computational Science and Its Applications – 17th International Conference, ICCSA 2017*”, *Part III, Lecture Notes in Computer Science, Springer*, 2017

[BE42] (in collaboration with Giuseppe Borruso, Osvaldo Gervasi, Bernady O. Apduhan, Beniamino Murgante, Ana Maria Rocha, David Taniar) “*Computational Science and Its Applications – 17th International Conference*”,

ICCSA 2017”, Part IV, Lecture Notes in Computer Science, Springer, 2017

[BE41] (in collaboration with Giuseppe Borruso, Osvaldo Gervasi, Bernady O. Apduhan, Beniamino Murgante, Ana Maria Rocha, David Taniar) “*Computational Science and Its Applications – 17th International Conference, ICCSA 2017”, Part V, Lecture Notes in Computer Science, Springer, 2017*

[BE40] (in collaboration with Giuseppe Borruso, Osvaldo Gervasi, Bernady O. Apduhan, Beniamino Murgante, Ana Maria Rocha, David Taniar) “*Computational Science and Its Applications – 17th International Conference, ICCSA 2017”, Part VI, Lecture Notes in Computer Science, Springer, 2017*

[BE39] (in collaboration with Giuseppe Borruso, Osvaldo Gervasi, Bernady O. Apduhan, Beniamino Murgante, Ana Maria Rocha, David Taniar) “*Computational Science and Its Applications – 17th International Conference, ICCSA 2017”, Part VII, IEEE Computer Society, 2017*

[BE38] (in collaboration with Jian-Yun Nie, Zoran Obradovic, Toyotaro Suzumura, Rumi Ghosh, Raghunath Nambiar, Chonggang Wang, Hui Zang, Ricardo Baeza-Yates, Xiaohua Hu, Jeremy Kepner, Jian Tang, Masashi Toyoda) “*2017 IEEE International Conference on Big Data, BigData 2017”, IEEE Computer Society, 2017*

[BE37] (in collaboration with Geoffrey Fox, Hai Zhuge, Walid Gaaloul, Jason J. Jung) “*13th IEEE International Conference on Semantics, Knowledge and Grids on Data, SKG 2017”, IEEE Computer Society, 2017*

[BE36] (in collaboration with Rajendra Akerkar, Jannong Cao, Mohand-Said Hacid) “*WIMS 2017, 7th ACM International Conference on Web Intelligence, Mining and Semantics”, ACM, 2017*

[BE35] (in collaboration with Carlos Ramos, Chan-Kil Park, George Wencai Du, Gi-Sung Lee, Haeng-kon Kim, Hyoung-Keun Park, Hyun-seob Cho, Jae-Young Choi, Jianhua Ma, Kyung Jung Kim, Osvaldo Gervasi, Sabah Mohammed, Tai-hoon Kim, Tughrul Arslan, Wai-chi Fang, Xiaofeng Song, Yanchun Zhang) “*Green and Smart Technology – Proceedings International Conferences, GST, SIT, DCA, MIP, UNESST, EL, GDC, DRBC, DTA, BSBT 2016”, Part 1, Advanced Science and Technology Letters, Vol. 140, SERSC, 2016*

[BE34] (in collaboration with Carlos Ramos, Chan-Kil Park, George Wencai Du, Gi-Sung Lee, Haeng-kon Kim, Hyoung-Keun Park, Hyun-seob Cho, Jae-Young Choi, Jianhua Ma, Kyung Jung Kim, Osvaldo Gervasi, Sabah Mohammed, Tai-hoon Kim, Tughrul Arslan, Wai-chi Fang, Xiaofeng Song, Yanchun Zhang) “*Green and Smart Technology – Proceedings International Conferences, GST, SIT, DCA, MIP, UNESST, EL, GDC, DRBC, DTA, BSBT 2016”, Part 2, Advanced Science and Technology Letters, Vol. 141, SERSC, 2016*

[BE33] (in collaboration with Carlos Ramos, Chan-Kil Park, George Wencai Du, Gi-Sung Lee, Haeng-kon Kim, Hyoung-Keun Park, Hyun-seob Cho, Jae-Young Choi, Jianhua Ma, Kyung Jung Kim, Osvaldo Gervasi, Sabah Mohammed, Tai-hoon Kim, Tughrul Arslan, Wai-chi Fang, Xiaofeng Song, Yanchun Zhang) “*Green and Smart Technology – Proceedings International Conferences, GST, SIT, DCA, MIP, UNESST, EL, GDC, DRBC, DTA, BSBT 2016”, Part 3, Advanced Science and Technology Letters, Vol. 142, SERSC, 2016*

[BE32] (in collaboration with Stephane Chretien, Julien Bourgeois, Frederic Magoules, Christophe Guyeux) “*19th IEEE International Conference on Computational Science and Engineering, CSE 2016*”, IEEE Computer Society, 2016

[BE31] (in collaboration with Kuan-Ching Li, Hai Jiang, Laurence T. Yang) “*Big Data: Algorithms, Analytics, and Applications*”, CRC Press, 2015

[BE30] (in collaboration with Adrian Stoica, Byeongho Kang, Carlos Ramos, Haeng-kon Kim, Hyun-seob Cho, Jianhua Ma, Kyung Jung Kim, Niki Pissinou, Osvaldo Gervasi, Thanos Vasilakos, Tughrul Arslan, Wai-chi Fang, William I. Grosky, Yanchun Zhang, Yun-Sik Kwak) “*Future Generation Information Technology – Proceedings International Conferences, MAS, FGCM, MulGraB, SecTech, CA, SIP, ASE, DRBC, GDC, EL, DTA, BSBT, UNESST 2015*”, Advanced Science and Technology Letters, Vol. 117, SERSC, 2015

[BE29] (in collaboration with Abdelkader Hameurlain, Josef Küng, Roland Wagner, Umeshwar Dayal) “*Transactions on Large-Scale Data- and Knowledge-Centered Systems XXI – Data Warehousing and Knowledge Discovery from Big Data*”, Lecture Notes in Computer Science, Springer, 2015

[BE28] (in collaboration with Weizhe Zhang, Yung-Cheol Byun, Alfredo Cuzzocrea, Aboul Ella Hassanien) “*Advances in Database, Multimedia, Games, HCI, Communication and Networking – Proceedings International Workshops, Database 2014, Games and Graphics 2014, Multimedia 2014, HCI 2014, Networking and Communication 2014*”, Advanced Science and Technology Letters, Vol. 54, SERSC, 2014

[BE27] (in collaboration with Giancarlo Fortino, Giuseppe Di Fatta, Wenfeng Li, Sergio Ochoa, Mukaddim Pathan) “*Internet and Distributed Computing Systems – 7th International Conference, IDCS 2014*”, Lecture Notes in Computer Science, Springer, 2014

[BE26] (in collaboration with Robert Meersman, Hervé Panetto, Tharam S. Dillon, Michele Missikoff, Lin Liu, Oscar Pastor, Timos Sellis) “*On the Move to Meaningful Internet Systems: OTM 2014 Conferences – Confederated International Conferences: CoopIS, DOA-Trusted Cloud, and ODBASE 2014, OTM 2014*”, Lecture Notes in Computer Science, Springer, 2014

[BE25] (in collaboration with Il-Yeol Song, Alkis Simitsis) “*DOLAP 2014, 17th ACM International Workshop on Data Warehousing and OLAP*”, ACM, 2014

[BE24] “*PSBD 2014, 1st ACM International Workshop on Privacy and Security of Big Data*”, ACM, 2014

[BE23] (in collaboration with Chang Su Chang, Ruay-Shiung Chang, Kwang Jun Kim, Byeong-Ho Kang) “*Advanced Science and Technology – Proceedings International Conference, AST 2013*”, Advanced Science and Technology Letters, Vol. 20, SERSC, 2013

[BE22] (in collaboration with Yanchun Zhang) “*Database Theory and Application – Proceedings International Conference, DTA 2013*”, Advanced

[BE21] (in collaboration with Christian Kittl, Dimitris E. Simos, Edgar Weippl, Lida Xu) “*Availability, Reliability, and Security in Information Systems and HCI – IFIP WG 8.4, 8.9, TC 5 International Cross-Domain Conference, CD-ARES 2013*”, *Lecture Notes in Computer Science, Springer, 2013*

[BE20] (in collaboration with Il-Yeol Song, Ladjel Bellatreche) “*DOLAP 2013, 16th ACM International Workshop on Data Warehousing and OLAP*”, *ACM, 2013*

[BE19] (in collaboration with Jinjun Chen, Laurence T. Yang) “*16th IEEE International Conference on Computational Science and Engineering, CSE 2013*”, *IEEE Computer Society, 2013*

[BE18] (in collaboration with Ebad Banissi, Hanane Azzag, Mark W. McK. Bannatyne, Stefan Bertschi, Fatma Bouali, Remo Burkhard, John Counsel, Martin J. Eppler, Barbara Hammer, Mustapha Lebbah, Francis T. Marchese, Muhammad Sarfraz, Anna Ursyn, Gilles Venturini, Theodor G. Wyeld) “*17th IEEE International Conference on Information Visualisation, IV 2013*”, *IEEE Computer Society, 2013*

[BE17] (in collaboration with Sofian Maabout) “*Model and Data Engineering – 3rd International Conference, MEDI 2013*”, *Lecture Notes in Computer Science, Springer, 2013*

[BE16] (in collaboration with Christian Kittl, Dimitris E. Simos, Edgar Weippl, Lida Xu) “*Security Engineering and Intelligence Informatics – CD-ARES 2013 Workshops: MoCrySEn and SeCIHD*”, *Lecture Notes in Computer Science, Springer, 2013*

[BE15] (in collaboration with Abdelkader Hameurlain, Josef Küng, Roland Wagner, Umeshwar Dayal) “*Transactions on Large-Scale Data- and Knowledge-Centered Systems VIII – Advances in Data Warehousing and Knowledge Discovery*”, *Lecture Notes in Computer Science, Springer, 2013*

[BE14] (in collaboration with Tai-Hoon Kim, Jianhua Ma, Wai-Chi Fang, Yanchun Zhang) “*Computer Applications for Database, Education and Ubiquitous Computing – International Conferences, EL, DTA and UNESST 2012*”, *Communications in Computer and Information Science, Springer, 2012*

[BE13] (in collaboration with Umeshwar Dayal) “*Data Warehousing and Knowledge Discovery – 14th International Conference, DaWaK 2012*”, *Lecture Notes in Computer Science, Springer, 2012*

[BE12] (in collaboration with Leszek Maciaszek, José Cordeiro) “*ICEIS 2012 – Proceedings of the 14th International Conference on Enterprise Information Systems*”, *Volume 1, SciTePress, 2012*

[BE11] (in collaboration with Leszek Maciaszek, José Cordeiro) “*ICEIS 2012 – Proceedings of the 14th International Conference on Enterprise Information Systems*”, *Volume 2, SciTePress, 2012*

[BE10] (in collaboration with Leszek Maciaszek, José Cordeiro) “*ICEIS 2012 – Proceedings of the 14th International Conference on Enterprise Information*

Systems”, Volume 3, SciTePress, 2012

[BE9] (in collaboration with Yang Xiang, Michael Hobbs, Wanlei Zhou) “*Algorithms and Architectures for Parallel Processing – 11th International Conference, ICA3PP 2011*”, Part I, *Lecture Notes in Computer Science*, Springer, 2011

[BE8] (in collaboration with Yang Xiang, Michael Hobbs, Wanlei Zhou) “*Algorithms and Architectures for Parallel Processing – 11th International Conference, ICA3PP 2011*”, Part II, *Lecture Notes in Computer Science*, Springer, 2011

[BE7] (in collaboration with Umeshwar Dayal) “*Data Warehousing and Knowledge Discovery – 13th International Conference, DaWaK 2011*”, *Lecture Notes in Computer Science*, Springer, 2011

[BE6] (in collaboration with Tai-Hoon Kim, Hojjat Adeli, Tughrul Arslan, Yanchun Zhang, Jianhua Ma, Kyo-Il Chung, Siti Mariyam Hj. Shamsuddin, Xiaofeng Song) “*Database Theory and Application, Bio-Science and Bio-Technology – International Conferences, DTA and BSBT 2011*”, *Communications in Computer and Information Science*, Springer, 2011

[BE5] (in collaboration with Il-Yeol Song, Karen C. Davis) “*DOLAP 2011, 14th ACM International Workshop on Data Warehousing and OLAP*”, ACM, 2011

[BE4] (in collaboration with Yanchun Zhang, Jianhua Ma, Kyo-Il Chung, Tughrul Arslan, Xiaofeng Song) “*Database Theory and Application, Bio-Science and Bio-Technology – International Conferences, DTA and BSBT 2010*”, *Communications in Computer and Information Science*, Springer, 2010

[BE3] “*Intelligent Techniques for Warehousing and Mining Sensor Network Data*”, IGI Global, 2009

[BE2] (in collaboration with Qiming Chen, Takahiro Hara, Ela Hunt, Manuela Popescu) “*1st IEEE International Conference on Advances in Databases, Knowledge, and Data Applications, DBKDA 2009*”, IEEE Computer Society, 2009

[BE1] (in collaboration with Bipin C. Desai, Domenico Saccà, Sergio Greco, Sergio Flesca) “*IDEAS 2009, 13th ACM International Database Engineering and Applications Symposium*”, ACM, 2009

G.8. Editorial Advisory Board Member Roles in International Books

[EB13] *Encyclopedia on Big Data*, Elsevier, 2017

[EB12] *Big Data: Algorithms, Analytics, and Applications*, CRC Press, 2015

[EB11] *Data Mining and Analysis in the Engineering Field*, IGI Global, 2014

[EB10] *Big Data Management, Technologies, and Applications*, IGI Global, 2013

[EB9] *Intelligent Multimedia Technologies for Networking Applications: Techniques and Tools*, IGI Global, 2013

[EB8] *Software Engineering Frameworks for Cloud Computing Paradigm*, Springer, 2013

[EB7] *Encyclopedia of Business Analytics and Optimization*, IGI Global, 2012

[EB6] *Advanced Database Query Systems: Techniques, Applications and Technologies*, IGI Global, 2011

[EB5] *Cloud Computing for Enterprise Architectures*, Springer, 2011

[EB4] *Intelligent Multimedia Databases and Information Retrieval: Advancing Applications and Technologies*, IGI Global, 2011

[EB3] *Intelligent Multimedia Technologies for Networking Applications: Techniques and Tools*, IGI Global, 2011

[EB2] *The Semantic Web for Knowledge and Data Management: Technologies and Practices*, IGI Global, 2009

[EB1] *Intelligent Techniques for Warehousing and Mining Sensor Network Data*, IGI Global, 2009

G.9. General Chair Roles in International Conferences

[GC20] (in collaboration with Rakesh Agrawal) *2023 IEEE International Conference on Big Data* (BigData 2023)

[GC19] *6th International Conference on Data Mining and Knowledge Discovery* (DMKD 2023)

[GC18] *12nd International Conference on Data Science, Technology and Applications* (DATA 2023)

[GC17] *5th International Conference on Data Mining and Knowledge Discovery* (DMKD 2022)

[GC16] *4th International Conference on Data Mining and Knowledge Discovery* (DMKD 2021)

[GC15] (in collaboration with Carlo Zaniolo) *20th IEEE International Conference on Data Mining* (ICDM 2020)

[GC14] *27th ACM International Conference on Information and Knowledge Management* (CIKM 2018)

[GC13] *7th ACM International Conference on Web Intelligence, Mining and Semantics* (WIMS 2017)

[GC12] (in collaboration with Yanchun Zhang) *2016 International Conference on Database Theory and Application* (DTA 2016)

[GC11] (in collaboration with Michele Berlingerio, Devis Bianchini, Veli Bicer, IBM Research, Vassilis Christophides, Valeria De Antonellis, Roberto De Virgilio, Holger Eichelberger, Ekaterini Ioannou, Verena Kantere, Wolfgang Lehner, Federica Mandreoli, Riccardo Martoglia, Mirco Nanni, Claudia Niederee, George Papastefanatos, Torben Bach Pedersen, Wilma Penzo, Roberto Trasarti, Traian Marius Truta, Dimitrios Tsoumakos, Stratis D.

Viglas, Li Xiong) *2016 International EDBT/ICDT Joint Conference – Workshops* (EDBT/ICDTW 2016)

[GC10] (in collaboration with Yanchun Zhang) *2015 International Conference on Database Theory and Application* (DTA 2015)

[GC9] (in collaboration with Jesus Carretero, Dimitrios Georgakopoulos) *17th IEEE International Conference on Computational Science and Engineering* (CSE 2014)

[GC8] (in collaboration with Yanchun Zhang) *2014 International Conference on Database Theory and Application* (DTA 2014)

[GC7] (in collaboration with Keun Ho Ryu) *4th International Workshop on Databases* (WDatabases 2014)

[GC6] (in collaboration with Yanchun Zhang) *2013 International Conference on Database Theory and Application* (DTA 2013)

[GC5] (in collaboration with Edgar Weippl) *2013 IFIP/LNCS International Cross Domain ARES Conference and Workshops on Multidisciplinary Research and Practice for Information Systems* (CD-ARES 2013)

[GC4] *3rd International Workshop on Databases* (WDatabases 2013)

[GC3] (in collaboration with Yanchun Zhang) *2012 International Conference on Database Theory and Application* (DTA 2012)

[GC2] (in collaboration with Yanchun Zhang) *2011 International Conference on Database Theory and Application* (DTA 2011)

[GC1] (in collaboration with Yanchun Zhang) *2010 International Conference on Database Theory and Application* (DTA 2010)

G.10. Program Chair Roles in International Conferences

[PC131] Session “*Machine Learning on Big Data*” (MLDB 2023), *2023 IEEE International Conference on Big Data* (BigData 2023)

[PC130] Session “*Privacy and Security of Big Data*” (PSBD 2023), *2023 IEEE International Conference on Big Data* (BigData 2023)

[PC129] *47th IEEE International Conference on Computers, Software & Applications* (COMPSAC 2023)

[PC128] (in collaboration with Carson K. Leung) Track “*Data Mining, Machine Learning and Collective Intelligence*” (DMCI 2023), *15th IEEE International Conference on Intelligent Networking and Collaborative Systems* (INCoS 2023)

[PC127] *8th IEEE International Workshop on Distributed Big Data Management* (DBDM 2023) in conjunction with *47th IEEE International Conference on Computers, Software & Applications* (COMPSAC 2023)

[PC126] (in collaboration with Teruaki Hayashi) Track “*Data Ecosystems*” (DE 2022), *2022 IEEE International Conference on Big Data* (BigData 2022)

[PC125] Session “*Machine Learning on Big Data*” (MLDB 2022), 2022 *IEEE International Conference on Big Data* (BigData 2022)

[PC124] Session “*Privacy and Security of Big Data*” (PSBD 2022), 2022 *IEEE International Conference on Big Data* (BigData 2022)

[PC123] (in collaboration with Oleg Gusikhin) *11th International Conference on Data Science, Technology and Applications* (DATA 2022)

[PC122] (in collaboration with Christine Strauss) *33rd International Conference on Database and Expert Systems Applications* (DEXA 2022)

[PC121] (in collaboration with Carson K. Leung) Track “*Data Mining, Machine Learning and Collective Intelligence*” (DMCI 2022), *14th IEEE International Conference on Intelligent Networking and Collaborative Systems* (INCoS 2022)

[PC120] *7th IEEE International Workshop on Distributed Big Data Management* (DBDM 2022) in conjunction with *46th IEEE International Conference on Computers, Software & Applications* (COMPSAC 2022)

[PC119] (in collaboration with Michele Coscia, Kai Shu) *2021 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining* (ASONAM 2021)

[PC118] Session “*Machine Learning on Big Data*” (MLDB 2021), 2021 *IEEE International Conference on Big Data* (BigData 2021)

[PC117] Session “*Privacy and Security of Big Data*” (PSBD 2021), 2021 *IEEE International Conference on Big Data* (BigData 2021)

[PC116] (in collaboration with Carson K. Leung) Track “*Data Mining, Machine Learning and Collective Intelligence*” (DMCI 2021), *13th IEEE International Conference on Intelligent Networking and Collaborative Systems* (INCoS 2021)

[PC115] *6th IEEE International Workshop on Distributed Big Data Management* (DBDM 2021) in conjunction with *45th IEEE International Conference on Computers, Software & Applications* (COMPSAC 2021)

[PC114] Session “*Machine Learning on Big Data*” (MLDB 2020), 2020 *IEEE International Conference on Big Data* (BigData 2020)

[PC113] *7th IEEE International Workshop on Privacy and Security of Big Data* (PSBD 2020) in conjunction with *2020 IEEE International Conference on Big Data* (BigData 2020)

[PC112] *5th IEEE International Workshop on Distributed Big Data Management* (DBDM 2020) in conjunction with *44th IEEE International Conference on Computers, Software & Applications* (COMPSAC 2020)

[PC111] (in collaboration with Chun-Hao Chen, Eric Pardede) Track “*Distributed Database and Data Mining*” (DDDM 2019), *33rd IEEE International Conference on Advanced Information Networking and Applications* (AINA 2019)

[PC110] Session “*Machine Learning on Big Data*” (MLDB 2019), *2019 IEEE International Conference on Big Data* (BigData 2019)

[PC109] *6th IEEE International Workshop on Privacy and Security of Big Data* (PSBD 2019) in conjunction with *2019 IEEE International Conference on Big Data* (BigData 2019)

[PC108] *4th IEEE/ACM International Workshop on Distributed Big Data Management* (DBDM 2019) in conjunction with *19th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing* (CCGrid 2019)

[PC107] (in collaboration with Evangelos Pournaras) Track “*Big Data and Big Data Science*” (BDBDS 2019), *10th International Conference on Emerging Ubiquitous Systems and Pervasive Networks* (EUSPN 2019)

[PC106] (in collaboration with Sergio Greco) *13th International Conference on Flexible Query Answering Systems* (FQAS 2019)

[PC105] (in collaboration with Chun-Hao Chen, Eric Pardede) Track “*Distributed Database and Data Mining*” (DDDM 2018), *32nd IEEE International Conference on Advanced Information Networking and Applications* (AINA 2018)

[PC104] *5th IEEE International Workshop on Privacy and Security of Big Data* (PSBD 2018) in conjunction with *2018 IEEE International Conference on Big Data* (BigData 2018)

[PC103] (in collaboration with Mahir Dursun) *2018 ACM International Conference on Cloud and Big Data Computing* (ICCBDC 2018)

[PC102] *3rd IEEE/ACM International Workshop on Distributed Big Data Management* (DBDM 2018) in conjunction with *18th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing* (CCGrid 2018)

[PC101] (in collaboration with Evangelos Pournaras) Track “*Big Data and Big Data Science*” (BDBDS 2018), *9th International Conference on Emerging Ubiquitous Systems and Pervasive Networks* (EUSPN 2018)

[PC100] Session “*Machine Learning on Big Data*” (MLDB 2018), *17th IEEE International Conference on Machine Learning and Applications* (ICMLA 2018)

[PC99] *4th IEEE International Workshop on Privacy and Security of Big Data* (PSBD 2017) in conjunction with *2017 IEEE International Conference on Big Data* (BigData 2017)

[PC98] (in collaboration with Hiroyuki Fujioka, Zahoor Khan) Track “*Optimization and Modeling of Complex Systems*” (OMCS 2017), *11th IEEE International Conference on Complex, Intelligent and Software Intensive Systems* (CISIS 2017)

[PC97] (in collaboration with Beniamino Murgante, Ana Maria A.C. Rocha, David Taniar) *17th LNCS International Conference on Computational Science and Its Applications* (ICCSA 2017)

[PC96] (in collaboration with Maozhen Li, Evangelos Pournaras) Track “*Big*”

Data and Big Data Science” (BDBDS 2017), *8th International Conference on Emerging Ubiquitous Systems and Pervasive Networks* (EUSPN 2017)

[PC95] Session “*Intelligent Big Data Analytics: Models, Techniques, Algorithms*” (IBDA 2017), *10th International Conference on Intelligent Interactive Multimedia: Systems & Services* (IIMSS 2017)

[PC94] Session “*Machine Learning on Big Data*” (MLDB 2017), *16th IEEE International Conference on Machine Learning and Applications* (ICMLA 2017)

[PC93] (in collaboration with Cheng Ding) Track “*Database, Data Mining and Semantic Computing*” (DDSC 2017), *20th IEEE International Conference on Network-Based Information Systems* (NBIS 2017)

[PC92] (in collaboration with Geoffrey Fox, Hai Zhuge, Walid Gaaloul, Jason J. Jung) *13th IEEE International Conference on Semantics, Knowledge and Grids on Data* (SKG 2017)

[PC91] (in collaboration with Xiaoyong Du) Track “*Big Data Management*” (BDM 2017), *6th IEEE International Congress on Big Data* (BigData Congress 2017)

[PC90] *2nd IEEE/ACM International Workshop on Distributed Big Data Management* (DBDM 2017) in conjunction with *17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing* (CCGrid 2017)

[PC89] (in collaboration with Carson K.-S. Leung) *2017 IEEE International Symposium on Information Systems and Engineering* (ISE 2017), *2017 IEEE International Conference on High Performance Computing & Simulation* (HPCS 2017)

[PC88] (in collaboration with Ladjel Bellatreche, Hongzhi Liu) Track “*Big Data Analytics and Applications*” (BDAA 2017), *14th IEEE International Symposium on Pervasive Systems, Algorithms, and Networks* (I-SPAN 2017)

[PC87] (in collaboration with Dominique Genoud) Track “*Distributed Database and Data Mining*” (DDDM 2016), *30th IEEE International Conference on Advanced Information Networking and Applications* (AINA 2016)

[PC86] *3rd IEEE International Workshop on Privacy and Security of Big Data* (PSBD 2016) in conjunction with *2016 IEEE International Conference on Big Data* (BigData 2016)

[PC85] (in collaboration with Nuyun Zhang) Track “*Privacy and Security for Cloud and Big Data*” (PSCB 2016), *2nd IEEE International Conference on Cloud and Big Data Computing* (CBDCOM 2016)

[PC84] (in collaboration with Stephane Chretien) *19th IEEE International Conference on Computational Science and Engineering* (CSE 2016)

[PC83] (in collaboration with Behrooz A. Shirazi, Toyokazu Akiyam) *2016 Symposium on Novel Applications and Technology Advances in Computing* (NATA 2016), *40th IEEE International Conference on Computers, Software & Applications* (COMPSAC 2016)

[PC82] (in collaboration with Evangelos Pournaras) Track “*Big Data and Big Data Science*” (BDBDS 2016), *7th International Conference on Emerging Ubiquitous Systems and Pervasive Networks* (EUSPN 2016)

[PC81] (in collaboration with Traian Marius Truta, Li Xiong) *9th International Workshop on Privacy and Anonymity in the Information Society* (PAIS 2016) in conjunction with *19th International Conference on Extending Database Technology* (EDBT 2016)

[PC80] Session *High Performance Parallel and Distributed Data Mining* (HPPD-DM 2016), *14th IEEE International Conference on High Performance Computing & Simulation* (HPCS 2016)

[PC79] Session “*Machine Learning on Big Data*” (MLDB 2016), *15th IEEE International Conference on Machine Learning and Applications* (ICMLA 2016)

[PC78] (in collaboration with Alba Amato, Wenny Rahayu) Track “*Database, Data Mining and Semantic Computing*” (DDSC 2016), *19th IEEE International Conference on Network-Based Information Systems* (NBIS 2016)

[PC77] (in collaboration with Diego Calvanese, Maria Keet) *2nd International Workshop on Logics and Reasoning for Conceptual Models* (LRCM 2016) in conjunction with *15th AAAI International Conference on Principles of Knowledge Representation and Reasoning* (KR 2016)

[PC76] *1st IEEE/ACM International Workshop on Distributed Big Data Management* (DBDM 2016) in conjunction with *16th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing* (CCGrid 2016)

[PC75] (in collaboration with Rim Moussa) Track “*Big Data Analytics*” (BDA 2016), *3rd IEEE International Symposium on Networks, Computers and Communications* (ISNCC 2016)

[PC74] (in collaboration with Abdulmotaleb El Saddik) *25th ACM International World Wide Web Conference – Demo Track* (WWW-Demo 2016)

[PC73] (in collaboration with Byeong-Ho Kang) *7th International Conference on Advanced Science and Technology* (AST 2015)

[PC72] *2nd IEEE International Workshop on Privacy and Security of Big Data* (PSBD 2015) in conjunction with *2015 IEEE International Conference on Big Data* (BigData 2015)

[PC71] (in collaboration with Nadjib Badache) Track “*Security & Network Technology*” (SNT 2015), *5th IFIP International Conference on Computer Science and Its Applications* (CHIA 2015)

[PC70] (in collaboration with Siti Mariyam Shamsuddin, Sheng-Wei Chen) Track “*Big Data Analytics for Networking and Collaborative Systems*” (BDA 2015), *7th IEEE International Conference on Intelligent Networking and Collaborative Systems* (INCoS 2015)

[PC69] (in collaboration with Giancarlo Fortino, Omer Rana) *4th IEEE/ACM*

International Workshop on Data-intensive Process Management in Large-Scale Sensor Systems (DPMSS 2015) in conjunction with 15th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2015)

[PC68] (in collaboration with Byeong-Ho Kang) *6th International Conference on Advanced Science and Technology (AST 2014)*

[PC67] (in collaboration with Makoto Ikeda) Track “*Databases and Data Mining*” (DDM 2014), *9th IEEE International Conference on Broadband, Wireless Computing, Communication and Applications (BWCCA 2014)*

[PC66] (in collaboration with Alexey Chepstov, Rajdeep Bhowmik, Andrea Schwertner Charao) Track “*Parallel Computing*” (PC 2014), *8th IEEE International Conference on Complex, Intelligent and Software Intensive Systems (CISIS 2014)*

[PC65] (in collaboration with Nadjib Badache) Track “*Security & Network Technology*” (SNT 2014), *4th IFIP International Conference on Computer Science and Its Applications (CHIA 2014)*

[PC64] (in collaboration with Jianping Wang) Track “*Data Centers and Cloud Computing*” (DCCC 2014), *5th International Conference on Emerging Intelligent Data and Web Technologies (EIDWT 2014)*

[PC63] (in collaboration with Alkis Simitsis) *17th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2014) in conjunction with 23rd ACM International Conference on Information and Knowledge Management (CIKM 2014)*

[PC62] *1st ACM International Workshop on Privacy and Security of Big Data (PSBD 2014) in conjunction with 23rd ACM International Conference on Information and Knowledge Management (CIKM 2014)*

[PC61] (in collaboration with Ladjel Bellatreche, Lihua Chen, Tran Khanh Dang, Isao Echizen, Mukesh Mohania, A Min Tjoa, Khabib Mustof) *2nd IFIP/LNCS International Conference on Information Communication Technology (ICT-EurAsia 2014)*

[PC60] (in collaboration with Jun Zhang) Track “*Big Data Analytics for Networking and Collaborative Systems*” (BDA 2014), *6th IEEE International Conference on Intelligent Networking and Collaborative Systems (INCoS 2014)*

[PC59] (in collaboration with Giuseppe Di Fatta, Wenfeng Li, Sergio Ochoa) *7th International Conference on Internet and Distributed Computing Systems (IDCS 2014)*

[PC58] Track “*Databases and Data Mining*” (DDM 2014), *14th IEEE International Conference on Network-Based information Systems (NBIS 2014)*

[PC57] (in collaboration with Timos Sellis) *13th LNCS International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2014)*

[PC56] (in collaboration with Giancarlo Fortino, Omer Rana) *3rd IEEE/ACM*

International Workshop on Data-intensive Process Management in Large-Scale Sensor Systems (DPMSS 2014) in conjunction with 14th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2014)

[PC55] Session “Warehousing and OLAPing Complex, Spatial, Spatio-Temporal and Big Data” (WOCD 2014), *21st International Symposium on Methodologies for Intelligent Systems (ISMIS 2014)*

[PC54] Track “Distributed Processing of Graph, XML and RDF Data: Theory and Practice” (DXP 2013) *15th International Asia-Pacific Web Conference (APWeb 2013)*

[PC53] (in collaboration with Byeong-Ho Kang) *5th International Conference on Advanced Science and Technology (AST 2013)*

[PC52] (in collaboration with Hong Cheng, Hai Dong) Track “Database and Data Mining Applications” (DDMA 2013), *7th IEEE International Conference on Complex, Intelligent and Software Intensive Systems (CISIS 2013)*

[PC51] (in collaboration with Parimala Thulasiraman, Yunquan Zhang, Luc Giraud) *16th IEEE International Conference on Computational Science and Engineering (CSE 2013)*

[PC50] Track “Security & Network Technology” (SNT 2013) *4th International Conference on Computer Science and Its Applications (CIIA 2013)*

[PC49] (in collaboration with David Du) Track “Data Centers and Cloud Computing” (DCCC 2013), *4th International Conference on Emerging Intelligent Data and Web Technologies (EIDWT 2013)*

[PC48] (in collaboration with Ladjel Bellatreche) *16th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2013) in conjunction with 22th ACM International Conference on Information and Knowledge Management (CIKM 2013)*

[PC47] (in collaboration with Ladjel Bellatreche, Tran Khanh Dang, Mukesh Mohania, Zhiyong Peng, A Min Tjoa) *1st IFIP/LNCS International Conference on Information Communication Technology (ICT-EurAsia 2013)*

[PC46] (in collaboration with Fatma Bouali, Gilles Venturini) *1st IEEE International Symposium on Visualization and Business Intelligence (VBI 2013), 17th IEEE International Conference on Information Visualisation (IV 2013)*

[PC45] (in collaboration with Sofian Maabout) *3rd LNCS International Conference on Model & Data Engineering (MEDI 2013)*

[PC44] (in collaboration with Eric Pardede) Track “Databases and Data Mining” (DDM 2013), *13th IEEE International Conference on Network-Based information Systems (NBIS 2013)*

[PC43] (in collaboration with Hiroaki Kikuchi, Young-Gab Kim, Tomoya Enokido) *10th International Conference on Secure and Trust Computing, data management, and Applications (STA 2013)*

[PC42] (in collaboration with Giancarlo Fortino, Omer Rana) *2nd IEEE/ACM International Workshop on Data-intensive Process Management in Large-Scale Sensor Systems* (DPMSS 2013) in conjunction with *13th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing* (CCGrid 2013)

[PC41] (in collaboration with Giovanni Motta) Track “*Distributed Algorithms and Systems*” (DAS 2012), *7th International Conference on Broadband and Wireless Computing, Communication and Applications* (BWCCA 2012)

[PC40] (in collaboration with Umeshwar Dayal) *14th International Conference on Data Warehousing and Knowledge Discovery* (DaWaK 2012)

[PC39] (in collaboration with Leszek Maciaszek, José Cordeiro) *14th International Conference on Enterprise Information Systems* (ICEIS 2012)

[PC38] (in collaboration with Carlos Toro, Manuel Grana), *16th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems* (KES 2012) – Special Session Coordinator

[PC37] Session “*Advanced Knowledge-based Systems*” (AKBS 2012), *16th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems* (KES 2012)

[PC36] (in collaboration with Dominik Slezak) Session “*Approximate Aspects of Data Mining and Database Analytics*” (ADMDA 2012), *14th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems* (IPMU 2012)

[PC35] (in collaboration with Sanghoon Jeon, Subrata Acharya, Zhenfu Cao, Hamid Mcheick, Choonsik Park, Kamran Shafi) *3rd IEEE International Conference on Information Science and Applications* (ICISA 2012)

[PC34] *24th IEEE International Conference on Tools with Artificial Intelligence* (ICTAI 2012) – Area Chair

[PC33] Session “*Data and Information Processing and Management in Sensor Networks*” (DISN 2012), *24th IEEE International Conference on Tools with Artificial Intelligence* (ICTAI 2012)

[PC32] (in collaboration with Giancarlo Fortino) *1st IEEE/ACM International Workshop on Data-intensive Process Management in Large-Scale Sensor Systems* (DPMSS 2012) in conjunction with *12th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing* (CCGrid 2012)

[PC31] Session “*Warehousing and OLAPing Complex, Spatial and Spatio-Temporal Data*” (WOCD 2012), *20th International Symposium on Methodologies for Intelligent Systems* (ISMIS 2012)

[PC30] (in collaboration with Yang Xiang, Michael Hobbs) *11th International Conference on Algorithms and Architectures for Parallel Processing* (ICA3PP 2011)

[PC29] (in collaboration with Rosa Meo) “*PhD Student Forum*” (PhD-ICDM 2011), *2011 IEEE International Conference on Data Mining* (ICDM 2011)

[PC28] (in collaboration with Umeshwar Dayal) *13th International Conference on Data Warehousing and Knowledge Discovery* (DaWaK 2011)

[PC27] (in collaboration with Michael Vassilakopoulos) Track “*Database and Data Mining Applications*” (DDMA 2011), *5th IEEE International Conference on Complex, Intelligent and Software Intensive Systems* (CISIS 2011)

[PC26] (in collaboration with George Karypis) Track “*Knowledge Discovery and Data Mining*” (KDDM 2011), *2nd International Conference on Emerging Intelligent Data and Web Technologies* (EIDWT 2011)

[PC25] (in collaboration with Karen C. Davis) *14th ACM International Workshop on Data Warehousing and OLAP* (DOLAP 2011) in conjunction with *20th ACM International Conference on Information and Knowledge Management* (CIKM 2011)

[PC24] (in collaboration with Subrata Acharya, Zhenfu Cao, Kyung-Yong Chung, Hamid Mcheick, Subhas C. Misra, Choonsik Park, Kamran Shafi) *2nd IEEE International Conference on Information Science and Applications* (ICISA 2011)

[PC23] Session “*Advanced Knowledge-based Systems*” (AKBS 2011), *15th LNCS/LNAI International Conference on Knowledge-Based and Intelligent Information & Engineering Systems* (KES 2011)

[PC22] *10th International Conference on Machine Learning and Applications* (ICMLA 2011) – Area Chair

[PC21] *12th International Conference on Web-Age Information Management* (WAIM 2011) – Area Chair

[PC20] (in collaboration with Michael Hobbs) *2011 International Symposium on Advances of Distributed Computing and Networking* (ADCN 2011)

[PC19] (in collaboration with Hasan Jamil, Jian Pei) Track “*Data Mining*” (DM 2011), *26th ACM Symposium on Applied Computing* (SAC 2011)

[PC18] Track “*Warehousing and OLAPing Complex, Spatial and Spatio-Temporal Data*” (WOCD 2010), *14th East-European Conference on Advances in Databases and Information Systems* (ADBIS 2010)

[PC17] (in collaboration with Ching-Hsien Hsu, Xiaojun Cao) *10th International Conference on Algorithms and Architectures for Parallel Processing* (ICA3PP 2010)

[PC16] Track “*Data Warehousing*” (DW 2010), *12th International Conference on Data Warehousing and Knowledge Discovery* (DaWaK 2010)

[PC15] (in collaboration with Sanjay Kumar Madria) Track “*Database and Data Mining Applications*” (DDMA 2010), *4th IEEE International Conference on Complex, Intelligent and Software Intensive Systems* (CISIS 2010)

[PC14] *13th IEEE International Conference on Computational Science and Engineering* (CSE 2010) – Area Chair

[PC13] (in collaboration with Bezael Gavish, Chunsik Park, Ivana Jassova,

Imrich Chlamtac, Salim Hariri, Subrata Acharya, Zhenfu Cao) *1st IEEE International Conference on Information Science and Applications (ICISA 2010)*

[PC12] Session “Advanced Knowledge-based Systems” (AKBS 2010), *14th LNCS/LNAI International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2010)*

[PC11] *22nd IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2010)* – Area Chair

[PC10] Track “Data Warehousing and Knowledge Discovery from Sensors and Streams” (DKSS 2010), *22nd IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2010)*

[PC9] (in collaboration with Qiming Chen, Takahiro Hara, Ela Hunt, Manuela Popescu) *1st IEEE International Conference on Advances in Databases, Knowledge, and Data Applications (DBKDA 2009)*

[PC8] *1st International Workshop on Data Warehousing and Knowledge Discovery from Sensors and Streams (DKSS 2009)* in conjunction with *5th IEEE/ACM International Conference on Distributed Computing in Sensor Systems (DCOSS 2009)*

[PC7] Session “Data and Information Processing and Management in Sensor Networks” (DISN 2009), *6th ICST International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (QSHINE 2009)*

[PC6] Session “Advanced Knowledge-based Systems” (AKBS 2009), *13th LNCS/LNAI International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2009)*

[PC5] (in collaboration with David Taniar) *1st IEEE International Workshop on Distributed XML Processing: Theory and Practice (DXP 2009)* in conjunction with *38th IACC International Conference on Parallel Processing (ICPP 2009)*

[PC4] *21st IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2009)* – Area Chair

[PC3] (in collaboration with Shrengui Wang, Hayato Yamana) *2009 IEEE International Symposium on Mining and the Web (MAW 2009)*

[PC2] Session “Advanced Knowledge-based Systems” (AKBS 2008), *12th LNCS/LNAI International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2008)*

[PC1] Track “Advances in Querying Non-Conventional Data Sources” (AQND 2007), *3rd International Advanced Database Conference (IADC 2007)*

G.11. Poster Chair Roles in International Conferences

[TC1] (in collaboration with Woong-Kee Loh, Ki-Yong Lee, Nidhi Rustagi) *2020 IEEE International Conference on Big Data and Smart Computing (BigComp 2020)*

**G.12. Workshop Chair
Roles in International
Conferences**

[WC5] (in collaboration with Hiroki Kashiwazaki, Dave Towey, Ji-Jiang Yang) *46th IEEE Annual International Computer Software and Applications Conference* (COMPSAC 2022)

[WC4] *18th ACM/IEEE International Symposium on Cluster, Cloud and Grid Computing* (CCGrid 2018)

[WC3] (in collaboration with Jian Tang, Masashi Toyoda) *2017 IEEE International Conference on Big Data* (BigData 2017)

[WC2] (in collaboration with Enhong Chen) *8th IEEE International Conference on Big Knowledge* (ICBK 2017)

[WC1] (in collaboration with Chung-Huang Yang, Weizhong Qiang, Muhammad Khurram Khan) *9th International Conference on Secure and Trust Computing, data management, and Applications* (STA 2012)

**G.13. Fast Abstract Chair
Roles in International
Conferences**

[FC1] (in collaboration with Hiroki Kashiwazaki, Michiharu Takemoto, AKM Jahangir Alam Majumder) *45th IEEE Annual International Computer Software and Applications Conference* (COMPSAC 2021)

**G.14. Proceedings Chair
Roles in International
Conferences**

[RC2] (in collaboration with Anand Nayyar) *2023 IEEE International Conference on Data, Information and Computing Science* (CDICS 2023)

[RC1] (in collaboration with Carlos Ordonez) *2021 IEEE International Conference on Big Data* (BigData 2021)

**G.15. Local Chair Roles in
International Conferences**

[LC5] *17th International Conference on Computational Science and Its Applications* (ICCSA 2017)

[LC4] *7th ACM International Conference on Web Intelligence, Mining and Semantics* (WIMS 2017)

[LC3] *7th International Conference on Internet and Distributed Computing Systems* (IDCS 2014)

[LC2] *2014 OnTheMove Federated Conferences & Workshops* (OTM 2014)

[LC1] *13th ACM International Database Engineering and Applications Symposium* (IDEAS 2009)

**G.16. Liaison Chair Roles
in International
Conferences**

[NC9] *20th International Conference on Computational Science and Its Applications* (ICCSA 2020)

[NC8] *19th International Conference on Computational Science and Its Applications* (ICCSA 2019)

[NC7] *18th International Conference on Computational Science and Its Applications* (ICCSA 2018)

[NC6] *17th International Conference on Computational Science and Its*

Applications (ICCSA 2017)

[NC5] *16th International Conference on Computational Science and Its Applications (ICCSA 2016)*

[NC4] *15th International Conference on Computational Science and Its Applications (ICCSA 2015)*

[NC3] *14th International Conference on Computational Science and Its Applications (ICCSA 2014)*

[NC2] *13th International Conference on Computational Science and Its Applications (ICCSA 2013)*

[NC1] *13th International Conference on Intelligent Data Engineering and Automated Learning (IDEAL 2012)*

**G.17. Publicity Chair Roles
in International
Conferences**

[CC16] *2nd ACM International Conference on Algorithms, Data Mining, and Information Technology (ADMIT 2023)*

[CC15] *2023 International Conference on Big Data and Computing (WBDC 2023)*

[CC14] *2023 Eurasian Conference on Computer Science and Information Technology (ECCSIT 2023)*

[CC13] *4th ACM International Conference on Computing, Networks and Internet of Things (CNIOT 2023)*

[CC12] *2020 SIAM International Conference on Data Mining (SDM 2020)*

[CC11] *2018 IEEE International Conference on Big Data (BigData 2018)*

[CC10] *2nd IEEE International Symposium on Security and Privacy in Social Networks and Big Data (SocialSec 2016)*

[CC9] *2015 IEEE International Conference on Big Data (BigData 2015)*

[CC8] *11th International Conference on Secure and Trust Computing, data management, and Applications (STA 2014)*

[CC7] *15th International Asia-Pacific Web Conference (APWeb 2013)*

[CC6] *2012 IEEE International Workshop on Spatial and Spatiotemporal Data Mining (SSTDm 2012) in conjunction with 12nd IEEE International Conference on Data Mining (ICDM 2012)*

[CC5] *11st IEEE International Conference on Data Mining (ICDM 2011)*

[CC4] *12th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2010)*

[CC3] *11th IEEE International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD 2010)*

[CC2] *11th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2009)*

[CC1] *3rd IEEE International Conference on the Digital Society (ICDS 2009)*

**G.18. Sponsor Chair Roles
in International
Conferences**

[OC1] *2013 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2013)*

**G.19. Session Chair Roles
in International
Conferences**

Note: List update till 2017. From 2018, similar trends in similar conferences.

[SC172] *“Opening Remarks: Next Generation Privacy and Security of Big Data”, 4th IEEE International Workshop on Privacy and Security of Big Data (PSBD 2017) in conjunction with 2017 IEEE International Conference on Big Data (BigData 2017)*

[SC171] *“Security Analysis Models and Algorithms for Big Data”, 4th IEEE International Workshop on Privacy and Security of Big Data (PSBD 2017) in conjunction with 2017 IEEE International Conference on Big Data (BigData 2017)*

[SC170] *“Streaming and Online Learning”, 2017 IEEE International Conference on Data Mining (ICDM 2017)*

[SC169] *“Sequences and Time Series”, 2017 IEEE International Conference on Data Mining (ICDM 2017)*

[SC168] *“Human Computing & Social Computing 2”, 41st IEEE Annual International Computer Software and Applications Conference (COMPSAC 2017)*

[SC167] *“Human Computing & Social Computing 3”, 41st IEEE Annual International Computer Software and Applications Conference (COMPSAC 2017)*

[SC166] *“Knowledge Discovery”, 19th International Conference on Big Data Analytics and Knowledge Discovery (DaWaK 2017)*

[SC165] *“Optimization and Modeling of Complex Systems”, 11th IEEE International Conference on Complex, Intelligent and Software Intensive Systems (CISIS 2017)*

[SC164] *“Heterogeneous Databases”, 20th International Conference on Extending Database Technology (EDBT 2017)*

[SC163] *“Big Data and Semantic Web”, 17th International Conference on Web Engineering (ICWE 2017)*

[SC162] *“Data Mining”, 32nd ACM International Symposium on Applied Computing (SAC 2017)*

[SC161] *“Mobile Computing and Applications”, 32nd ACM International Symposium on Applied Computing (SAC 2017)*

[SC160] “Data Centers and Cyberinfrastructure”, 17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2017)

[SC159] “Advanced Big Data Management in Distributed Settings”, 2nd IEEE/ACM International Workshop on Distributed Big Data Management (DBDM 2017) in conjunction with 17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2017)

[SC158] “MapReduce Algorithms for Graph-Like Big Data Processing”, 2nd IEEE/ACM International Workshop on Distributed Big Data Management (DBDM 2017) in conjunction with 17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2017)

[SC157] “Big Data Management in Medical Information Systems”, 12th IEEE International Workshop on E-Health Systems and Semantic Web (ESAS 2017) in conjunction with 41st IEEE Annual International Computer Software and Applications Conference (COMPSAC 2017)

[SC156] “Databases and Information Systems Integration”, 18th International Conference on Enterprise Information Systems (ICEIS 2016)

[SC155] “Mobile, Wearable and Ubiquitous Computing”, 40th IEEE Annual International Computer Software and Applications Conference (COMPSAC 2016)

[SC154] “Data Management & Integration”, 2016 IEEE International Conference on Big Data (BigData 2016)

[SC153] “Theoretical Models for Big Data”, 2016 IEEE International Conference on Big Data (BigData 2016)

[SC152] “Schema Mapping”, 35th International Conference on Conceptual Modeling (ER 2016)

[SC151] “Smart Computing”, 21st International Conference on Distributed Multimedia Systems (DMS 2016)

[SC150] “Advanced Query Processing: Non-Traditional Data and Streams”, 19th International Conference on Extending Database Technology (EDBT 2016)

[SC149] “Big Data”, 24th ACM Conference on Information and Knowledge Management (CIKM 2016)

[SC148] “Database & Data Processing”, 24th ACM Conference on Information and Knowledge Management (CIKM 2016)

[SC147] “Databases and Information Systems I”, 16th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2016)

[SC146] “Complex Big Data Applications”, 2016 ACM International Conference on Internet of Things and Cloud Computing (ICC 2016)

[SC145] “*Sensor and Stream Big Data Analysis in Cloud Computing*”, 2016 ACM International Conference on Internet of Things and Cloud Computing (ICC 2016)

[SC144] “*Machine Learning Methods and Techniques for Supporting Cybersecurity over Big Data: Opportunities and Trends*”, 15th IEEE International Conference on Machine Learning and Applications (ICMLA 2016)

[SC143] “*Machine Learning on Big Data*”, 15th IEEE International Conference on Machine Learning and Applications (ICMLA 2016),

[SC142] “*Advanced Query Answering Techniques over Big Mobile Data*”, 17th IEEE International Conference on Mobile Data Management (MDM 2016)

[SC141] “*Pattern Recognition*”, 2016 IEEE International Conference on Systems, Man and Cybernetics (SMC 2016)

[SC140] “*Parallel Processing in High-Performance Computing versus Database Systems and Hadoop Frameworks*”, 1st IEEE/ACM International Workshop on Distributed Big Data Management (DBDM 2016) in conjunction with 16th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2016)

[SC139] “*Data and Workflow Provenance*”, 9th International Workshop on Privacy and Anonymity in the Information Society (PAIS 2016) in conjunction with 19th International Conference on Extending Database Technology (EDBT 2016)

[SC138] “*Privacy Issues of Big Data Management: What’s Next?*”, 2nd IEEE International Workshop on Privacy and Security of Big Data (PSBD 2016) in conjunction with 2016 IEEE International Conference on Big Data (BigData 2016)

[SC137] “*Security Frameworks for Supporting Big Data Privacy*”, 2nd IEEE International Workshop on Privacy and Security of Big Data (PSBD 2016) in conjunction with 2016 IEEE International Conference on Big Data (BigData 2016)

[SC136] “*Data Mining*”, 31st ACM International Symposium on Applied Computing (SAC 2016)

[SC135] “*Social Network and Media Analysis*”, 31st ACM International Symposium on Applied Computing (SAC 2016)

[SC134] “*Security & Privacy*”, 25th ACM International World Wide Web Conference (WWW 2016)

[SC133] “*Web Search Systems & Applications*”, 25th ACM International World Wide Web Conference (WWW 2016)

[SC132] “*Big Data Applications*”, 15th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2015)

[SC131] “*Datacenters*”, 15th IEEE/ACM International Symposium on Cluster,

Cloud and Grid Computing (CCGrid 2015)

[SC130] “Clustering”, *23rd ACM Conference on Information and Knowledge Management (CIKM 2015)*

[SC129] “Information and Knowledge Quality in Cooperative Information Systems”, *23rd International Conference on Cooperative Information Systems (CoopIS 2015)*

[SC128] “Data Analytics”, *39th IEEE Annual International Computer Software and Applications Conference (COMPSAC 2015)*

[SC127] “Data Warehouses”, *17th International Conference on Big Data Analytics and Knowledge Discovery (DaWaK 2015)*

[SC126] “Query Processing”, *18th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2015)* in conjunction with *23rd ACM Conference on Information and Knowledge Management (CIKM 2015)*

[SC125] “Secure Big Data Analytics”, *4th IEEE/ACM International Workshop on Data-intensive Process Management in Large-Scale Sensor Systems” (DPMSS 2015)* in conjunction with *15th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2015)*

[SC124] “Social Web”, *16th LNCS International Conference on Electronic Commerce and Web Technologies (EC-WEB 2015)*

[SC123] “Temporal Queries & Privacy”, *18th International Conference on Extending Database Technology (EDBT 2015)*

[SC122] “Sematic Web II”, *17th ACM International Conference on Information Integration and Web-based Applications & Services (iiWAS 2015)*

[SC121] “Web Intelligence”, *19th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2015)*

[SC120] “Semantic Data Processing and Access in Emerging Domains”, *15th LNCS International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2015)*

[SC119] “Privacy Preserving Issues of Complex Data Management”, *8th International Workshop on Privacy and Anonymity in the Information Society (PAIS 2015)* in conjunction with *18th International Conference on Extending Database Technology (EDBT 2015)*

[SC118] “Mining Heterogeneous, High Dimensional, and Sequential Data”, *19th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2015)*

[SC117] “Algorithms for Supporting Privacy and Security of Big Data”, *2nd ACM International Workshop on Privacy and Security of Big Data (PSBD 2015)* in conjunction with *24th ACM International Conference on Information and Knowledge Management (CIKM 2015)*

[SC116] “Aggregation and Multidimensional Analysis of Big Data for Large-Scale Scientific Applications”, *27th ACM International Conference on*

Scientific and Statistical Database Management (SSDBM 2015)

[SC115] “*Temporal Big Data Management*”, 22nd IEEE International Symposium on Temporal Representation and Reasoning (TIME 2015)

[SC114] “*Trust and Privacy Issues in Mobile Environments*”, 12th LNCS International Conference on Trust, Privacy & Security in Digital Business (TrustBus 2015)

[SC113] “*Wearable and Mobile Computing*”, 9th ACM International Conference on Body Area Networks (BODYNETS 2014)

[SC112] “*Algorithms*”, 14th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2014)

[SC111] “*Data Mining Theory and Methods*”, 22nd ACM International Conference on Information and Knowledge Management (CIKM 2014)

[SC110] “*Mining Data Streams*”, 22nd ACM International Conference on Information and Knowledge Management (CIKM 2014)

[SC109] “*Managing Similarity*”, 22nd International Conference on Cooperative Information Systems (CoopIS 2014) in conjunction with *On the Move Federated Conferences 2014* (OTM 2014)

[SC108] “*Mining and Processing Data Streams*”, 15th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2014)

[SC107] “*Uncertainty*”, 15th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2014)

[SC106] “*Recommender Systems II*”, 15th International Conference on Electronic Commerce and Web Technologies (EC-WEB 2014)

[SC105] “*Big Graphs Analytics: State-of-the-Art and Future Research Agenda*”, 17th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2014) in conjunction with 22nd ACM International Conference on Information and Knowledge Management (CIKM 2014)

[SC104] “*Exotic Data and Data Generation*”, 17th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2014) in conjunction with 22nd ACM International Conference on Information and Knowledge Management (CIKM 2014)

[SC103] “*Querying Big, Dynamic, Distributed Data*”, 17th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2014) in conjunction with 22nd ACM International Conference on Information and Knowledge Management (CIKM 2014)

[SC102] “*Applications: Building Data Analytics*”, 3rd IEEE/ACM International Workshop on Data-intensive Process Management in Large-Scale Sensor Systems (DPMSS 2014) in conjunction with 14th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2014)

[SC101] “*Privacy-Aware Data Processing*”, 17th International Conference on

Extending Database Technology (EDBT 2014)

[SC100] “*Big Data, Data Mining and Databases*”, 26th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2014)

[SC99] “*Cloud Computing*”, 7th International Conference on Internet and Distributed Computing Systems (IDCS 2014)

[SC98] “*Warehousing and OLAPing Complex, Spatial and Spatio-Temporal Data*”, 21st International Symposium on Methodologies for Intelligent Systems (ISMIS 2014)

[SC97] “*Information Retrieval*”, 4th LNCS International Conference on Model & Data Engineering (MEDI 2014)

[SC96] “*Mining Big Data*”, 4th LNCS International Conference on Model & Data Engineering (MEDI 2014)

[SC95] “*Databases and Data Mining*”, 14th IEEE International Conference on Network-Based information Systems (NBIS 2014)

[SC94] “*Ontology-assisted Warehousing Approaches*”, 14th LNCS International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2014) in conjunction with *On the Move Federated Conferences 2014* (OTM 2014)

[SC93] “*Privacy and Security of Big Data: Current Challenges and Future Research Perspectives*”, 1st ACM International Workshop on Privacy and Security of Big Data (PSBD 2014) in conjunction with 22nd ACM International Conference on Information and Knowledge Management (CIKM 2014)

[SC92] “*Privacy Aspects in Big Data Integration: Challenges and Opportunities*”, 1st ACM International Workshop on Privacy and Security of Big Data (PSBD 2014) in conjunction with 22nd ACM International Conference on Information and Knowledge Management (CIKM 2014)

[SC91] “*User-Oriented and Data-Oriented Privacy Methods for Big Data Processing*”, 1st ACM International Workshop on Privacy and Security of Big Data (PSBD 2014) in conjunction with 22nd ACM International Conference on Information and Knowledge Management (CIKM 2014)

[SC90] “*Mobile, Wireless and Sensor Networks*”, 4th International Workshop on Databases (WDatabases 2014)

[SC89] “*Human-Computer Interaction*”, 4th International Workshop on Databases (WDatabases 2014)

[SC88] “*Data Management*”, 13th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2013)

[SC87] “*Software Architecture and Design 3*”, 37th Annual IEEE International Computer Software and Applications Conference (COMPSAC 2013)

[SC86] “*Big Data*”, 37th Annual IEEE International Computer Software and Applications Conference (COMPSAC 2013)

[SC85] “*Process Modeling*”, 21st International Conference on Cooperative Information Systems (CoopIS 2013) in conjunction with *On the Move Federated Conferences 2013* (OTM 2013)

[SC84] “*Advanced Aggregation Techniques for Big Data*”, 16th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2013) in conjunction with 21st ACM International Conference on Information and Knowledge Management (CIKM 2013)

[SC83] “*Data Warehousing and OLAP over Big Data: Current Challenges and Future Research Directions*”, 16th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2013) in conjunction with 21st ACM International Conference on Information and Knowledge Management (CIKM 2013)

[SC82] “*New Trends*”, 16th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2013) in conjunction with 21st ACM International Conference on Information and Knowledge Management (CIKM 2013)

[SC81] “*Large-Scale Cloud Architectures and Systems*”, 2nd IEEE/ACM International Workshop on Data-intensive Process Management in Large-Scale Sensor Systems” (DPMSS 2013) in conjunction with 13th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid 2013)

[SC80] “*Multi-Tenant Databases*”, 16th International Conference on Extending Database Technology (EDBT 2013)

[SC79] “*Data Warehousing, Integration*”, 17th ACM International Database Engineering and Applications Symposium (IDEAS 2013)

[SC78] “*Big Data: A Research Agenda*”, 17th ACM International Database Engineering and Applications Symposium (IDEAS 2013)

[SC77] “*Business Intelligence*”, 17th International Conference on Information Visualization (IV 2013)

[SC76] “*Visual, Spatial and Health Databases*”, 21st Italian Symposium on Advanced Database Systems (SEBD 2013)

[SC75] “*Systems Science SYS-13*”, 2013 IEEE International Conference on Systems, Man and Cybernetics (SMC 2013)

[SC74] “*Query Processing & Optimization 2*”, 14th International Asia-Pacific Web Conference (APWeb 2012)

[SC73] “*Database and Data Mining Applications*”, 6th IEEE International Conference on Complex, Intelligent and Software Intensive Systems (CISIS 2012)

[SC72] “*Data Warehouse Performance and Optimization*”, 14th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2012)

[SC71] “*Multidimensional Data Processing and Management*”, 14th

International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2012)

[SC70] “Data Streams”, *23th International Conference on Database and Expert Systems Applications (DEXA 2012)*

[SC69] “Query Processing I”, *23th International Conference on Database and Expert Systems Applications (DEXA 2012)*

[SC68] “Data Warehouse Design and Maintainability”, *15th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2012)* in conjunction with *21st ACM International Conference on Information and Knowledge Management (CIKM 2012)*

[SC67] “Data Mining Applications and Classification”, *5th European Conference on Data Mining (ECDM 2012)*

[SC66] “Security and Trust”, *13th International Conference on Electronic Commerce and Web Technologies (EC-WEB 2012)*

[SC65] “Multi-dimensional Data Sets”, *15th International Conference on Extending Database Technology (EDBT 2012)*

[SC64] “Stream Data Processing”, *15th International Conference on Extending Database Technology (EDBT 2012)*

[SC63] “Advanced Knowledge-based Systems I”, *16th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2012)*

[SC62] “Advanced Knowledge-based Systems II”, *16th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2012)*

[SC61] “Data and Information Processing and Management in Sensor Networks”, *24th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2012)*

[SC60] “Approximate Aspects of Data Mining and Database Analytics”, *14th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2012)*

[SC59] “Warehousing and OLAPing Complex, Spatial and Spatio-Temporal Data”, *20th International Symposium on Methodologies for Intelligent Systems (ISMIS 2012)*

[SC58] “Development and Use of Ontologies in the Engineering Domain”, *2nd LNCS International Conference on Model & Data Engineering (MEDI 2012)*

[SC57] “Privacy Preserving Data Publishing and Mining”, *5th International Workshop on Privacy and Anonymity in the Information Society (PAIS 2012)* in conjunction with *15th International Conference on Extending Database Technology (EDBT 2012)*

[SC56] “Classification and Clustering”, *20th Italian Symposium on Advanced Database Systems (SEBD 2012)*

[SC55] “*Semantics and Services*”, 8th IEEE International Conference on Semantics, Knowledge and Grids (SKG 2012)

[SC54] “*Data Warehousing 2*”, 15th East-European Conference on Advances in Databases and Information Systems (ADBIS 2011)

[SC53] “*Classification and Clustering: Large-scale Statistical Techniques*”, 20th ACM International Conference on Information and Knowledge Management (CIKM 2011)

[SC52] “*Semantic Web and Information Retrieval*”, 20th ACM International Conference on Information and Knowledge Management (CIKM 2011)

[SC51] “*Analytics and Privacy Preserving Approaches over Large Multidimensional Datasets*”, 13th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2011)

[SC50] “*Physical and Conceptual Data Warehouse Models*”, 13th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2011)

[SC49] “*Data Mining II*”, 22nd International Conference on Database and Expert Systems Applications (DEXA 2011)

[SC48] “*Skyline Queries*”, 22nd International Conference on Database and Expert Systems Applications (DEXA 2011)

[SC47] “*Data Warehouse Modeling and Maintenance*”, 14th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2011) in conjunction with 20th ACM International Conference on Information and Knowledge Management (CIKM 2011)

[SC46] “*Analytics Over Large-Scale Multidimensional Data: The Big Data Revolution!*”, 14th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2011) in conjunction with 20th ACM International Conference on Information and Knowledge Management (CIKM 2011)

[SC45] “*Application-driven Processing*”, 14th International Conference on Extending Database Technology (EDBT 2011)

[SC44] “*Data Mining Applications*”, 14th International Conference on Extending Database Technology (EDBT 2011)

[SC43] “*Advanced Knowledge-based Systems I*”, 15th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2011)

[SC42] “*Advanced Knowledge-based Systems II*”, 15th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2011)

[SC41] “*Web and Network Applications*”, 19th Italian Symposium on Advanced Database Systems (SEBD 2011)

[SC40] “*Querying Graphs*”, 23rd International Conference on Scientific and

Statistical Database Management (SSDBM 2011)

[SC39] “*Databases and Uncertainty 1*”, *5th International Conference on Scalable Uncertainty Management (SUM 2011)*

[SC38] “*Databases and Uncertainty 2*”, *5th International Conference on Scalable Uncertainty Management (SUM 2011)*

[SC37] “*Database Theory*”, *14th East-European Conference on Advances in Databases and Information Systems (ADBIS 2010)*

[SC36] “*Pattern Mining*”, *12th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2010)*

[SC35] “*Streams and Multimedia Databases*”, *21st International Conference on Database and Expert Systems Applications (DEXA 2010)*

[SC34] “*Conceptual Modeling and Data Warehouse Design*”, *13th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2010)* in conjunction with *19th ACM International Conference on Information and Knowledge Management (CIKM 2010)*

[SC33] “*Bio-Science and Bio-Technology*”, *2nd International Conference on Future Generation Information Technology (FGIT 2010)*

[SC32] “*U- and E- Service, Science and Technology*”, *2nd International Conference on Future Generation Information Technology (FGIT 2010)*

[SC31] “*Uncertainty in Databases*”, *5th IEEE International Workshop on Flexible Database and Information Systems Technologies (FlexDBIST 2010)* in conjunction with *21st International Conference on Database and Expert Systems Applications (DEXA 2010)*

[SC30] “*Parallel Algorithms 1*”, *10th International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP 2010)*

[SC29] “*Data Mining, OLAP, and Knowledge Discovery*”, *14th ACM International Database Engineering and Applications Symposium (IDEAS 2010)*

[SC28] “*Advanced Knowledge-based Systems I*”, *14th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2010)*

[SC27] “*Advanced Knowledge-based Systems II*”, *14th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2010)*

[SC26] “*Data Mining 2*”, *25th ACM International Symposium on Applied Computing (SAC 2010)*

[SC25] “*Data Streams*”, *25th ACM International Symposium on Applied Computing (SAC 2010)*

[SC24] “*Database Theory, Technology and Applications 2*”, *25th ACM International Symposium on Applied Computing (SAC 2010)*

[SC23] “Data Cubes”, *11th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2009)*

[SC22] “Temporal, Spatial, and High Dimensional Databases”, *20th International Conference on Database and Expert Systems Applications (DEXA 2009)*

[SC21] “Data Warehousing and Knowledge Discovery from Sensors and Streams”, *1st International Workshop on Data Warehousing and Knowledge Discovery from Sensors and Streams (DKSS 2009)* in conjunction with *5th IEEE/ACM International Conference on Distributed Computing in Sensor Systems (DCOSS 2009)*

[SC20] “Distributed XML Processing: Theory and Practice”, *1st IEEE International Workshop on Distributed XML Processing: Theory and Practice (DXP 2009)* in conjunction with *38th IACC International Conference on Parallel Processing (ICPP 2009)*

[SC19] “Multi-Dimensional”, *12th International Conference on Extending Database Technology (EDBT 2009)*

[SC18] “Querying in P2P Systems”, *2nd International Conference on Data Management in Grid and P2P Systems (Globe 2009)*

[SC17] “Artificial Intelligence and Decision Support Systems”, *11th International Conference on Enterprise Information Systems (ICEIS 2009)*

[SC16] “Knowledge-based Systems I”, *21st IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2009)*

[SC15] “Streaming and Sensor Data”, *13th ACM International Database Engineering and Applications Symposium (IDEAS 2009)*

[SC14] “Advanced Knowledge-based Systems I”, *13th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2009)*

[SC13] “Advanced Knowledge-based Systems II”, *13th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2009)*

[SC12] “Fuzzy and Neuro-Fuzzy Systems”, *13th International Conference on Knowledge-based and Intelligent Information & Engineering Systems (KES 2009)*

[SC11] “Data Mining I”, *17th Italian Symposium on Advanced Database Systems (SEBD 2009)*

[SC10] “Querying”, *12th East-European Conference on Advances in Databases and Information Systems (ADBIS 2008)*

[SC9] “Data Warehouse and Data Mining”, *10th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2008)*

[SC8] “Data and Information Semantics”, *19th International Conference on*

Database and Expert Systems Applications (DEXA 2008)

[SC7] “*Information Systems Analysis and Specification*”, *10th International Conference on Enterprise Information Systems* (ICEIS 2008)

[SC6] “*Advanced Knowledge-based Systems I*”, *12th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems* (KES 2008)

[SC5] “*Advanced Knowledge-based Systems II*”, *12th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems* (KES 2008)

[SC4] “*Models*”, *1st IEEE International Workshop On Real-Time Service-Oriented Architecture and Applications* (RTSOAA 2008) in conjunction with *32nd Annual IEEE International Computer Software and Applications Conference* (COMPSAC 2008)

[SC3] “*Query Optimization*”, *9th International Conference on Data Warehousing and Knowledge Discovery* (DaWaK 2007)

[SC2] “*Advances in Querying Non-Conventional Data Sources*”, *3rd International Advanced Database Conference* (IADC 2007)

[SC1] “*Queries (XML)*”, *15th International Conference on Database and Expert Systems Applications* (DEXA 2004)

**G.20. Review Board
Member Roles in
International Journals**

[JB80] *Algorithms, MDPI* (ALGOCH)

[JB79] *Big Data Research, Elsevier* (BDR)

[JB78] *Communications of the ACM, ACM* (CACM)

[JB77] *Computers in Biology and Medicine, Elsevier* (CBM)

[JB76] *ACM Computing Surveys, ACM* (CSUR)

[JB75] *The Computer Journal, Oxford Journals* (COMPJ)

[JB74] *Computing, Springer* (COMP)

[JB73] *Computer Systems Science & Engineering, CRL Publishing* (CSSE)

[JB72] *Concurrency and Computation: Practice & Experience, Wiley* (CPE)

[JB71] *Data & Knowledge Engineering, Elsevier* (DKE)

[JB70] *Data Mining and Knowledge Discovery, Springer* (DAMI)

[JB69] *WIREs Data Mining and Knowledge Discovery, Wiley* (WDMKD)

[JB68] *Decision Support Systems, Elsevier* (DSS)

[JB67] *Discrete Applied Mathematics, Elsevier* (DAM)

- [JB66] *Distributed and Parallel Databases*, Springer (DPDB)
- [JB65] *Electronic Commerce Research and Applications*, Elsevier (ECRA)
- [JB64] *Engineering Applications of Artificial Intelligence*, Elsevier (EAAI)
- [JB63] *Engineering Intelligent Systems*, CRL Publishing (EIS)
- [JB62] *Future Generation Computer Systems*, Elsevier (FGCS)
- [JB61] *Fundamenta Informaticae*, IOS Press (FI)
- [JB60] *GeoInformatica*, Springer (GEIN)
- [JB59] *Intelligent Data Analysis*, IOS Press (IDA)
- [JB58] *International Journal of Advanced Intelligence Paradigms*, InderScience (IJAIP)
- [JB57] *International Journal of Approximate Reasoning*, Elsevier (IJAR)
- [JB56] *International Journal of Business Intelligence and Data Mining*, InderScience (IJBIDM)
- [JB55] *International Journal of Computing & Information Technology*, Serials Publications (IJCIT)
- [JB54] *International Journal of Communication Networks and Distributed Systems*, InderScience (IJCNDIS)
- [JB53] *International Journal of Cooperative Information Systems*, World Scientific (IJCIS)
- [JB52] *International Journal of Data Mining, Modelling and Management*, InderScience (IJDMMM)
- [JB51] *International Journal of Data Warehousing and Mining*, IGI Global (IJDWM)
- [JB50] *International Journal of Distributed Systems and Technologies*, IGI Global (IJDST)
- [JB49] *International Journal of Distributed Sensor Networks*, Hindawi (IJDSEN)
- [JB48] *International Journal of Knowledge Engineering and Soft Data Paradigms*, InderScience (IJKESDP)
- [JB47] *International Journal of Intelligence Information and Database Systems*, InderScience (IJIIDS)
- [JB46] *International Journal of Information Technology & Decision Making*, World Scientific (IJITDM)
- [JB45] *International Journal of Knowledge-Based and Intelligent Engineering Systems*, IOS Press (IJKES)

- [JB44] *Journal of Software Engineering and Knowledge Engineering, World Scientific (IJSEKE)*
- [JB43] *Information Sciences, Elsevier (INS)*
- [JB42] *Information Processing Letters, Elsevier (IPL)*
- [JB41] *Information Systems, Elsevier (IS)*
- [JB40] *Information Systems Frontiers, Springer (ISF)*
- [JB39] *Journal of Ambient Intelligence and Humanized Computing, Springer (JAIHC)*
- [JB38] *Journal of Circuits, Systems, and Computers, World Scientific (JCSC)*
- [JB37] *Journal of Computer and System Sciences, Elsevier (JCSS)*
- [JB36] *Journal of Computer Science and Technology, Springer (JCST)*
- [JB35] *Journal of Digital Information Management, DIR Foundation (JDIM)*
- [JB34] *Journal of Database Management, IGI Global (JDM)*
- [JB33] *Journal of Emerging Technologies in Web Intelligence, Academy Publisher (JETWI)*
- [JB32] *Journal of Intelligent Information Systems, Springer (JIIS)*
- [JB31] *Journal of Information Technology Research, IGI Global (JITR)*
- [JB30] *Journal of Machine Learning and Cybernetics, Springer (JMLC)*
- [JB29] *Journal of Machine Learning Research, Microtome Publishing (JMLR)*
- [JB28] *Journal of Network and Computer Applications, Elsevier (JNCA)*
- [JB27] *Journal of Parallel and Distributed Computing, Elsevier (JPDC)*
- [JB26] *Journal of Systems and Software, Elsevier (JSS)*
- [JB25] *Journal of Web Applications, DIRF (JWA)*
- [JB24] *Journal on Data Semantics, Springer (JoDS)*
- [JB23] *Knowledge and Information Systems, Springer (KAIS)*
- [JB22] *Mathematical Problems in Engineering, Hindawi (MPE)*
- [JB21] *Pervasive and Mobile Computing, Elsevier (PMC)*
- [JB20] *Simulation Modelling Practice and Theory, Elsevier (SIMPAT)*
- [JB19] *Social Network Analysis and Mining, Springer (SNAM)*

- [JB18]** *IEEE Transactions on Cloud Computing, IEEE (TCC)*
- [JB17]** *IEEE Transactions on Emerging Topics in Computer Science, IEEE (TETCS)*
- [JB16]** *IEEE Transactions on Knowledge and Data Engineering, IEEE (TKDE)*
- [JB15]** *IEEE Transactions on Knowledge Discovery from Data, ACM (TKDD)*
- [JB14]** *Transactions on Large-Scale Data- and Knowledge-Centered Systems, Springer (TLDKS)*
- [JB13]** *ACM Transactions on Database Systems, ACM (TODS)*
- [JB12]** *IEEE Transactions on Human-Machine Systems, IEEE (THMS)*
- [JB11]** *ACM Transactions on Information Systems, ACM (TOIS)*
- [JB10]** *ACM Transactions on Intelligent Systems and Technology, ACM (TIST)*
- [JB9]** *ACM Transactions on Multimedia Computing, Communications, and Applications, ACM (TOMM)*
- [JB8]** *Theory and Practice of Logic Programming, Cambridge Journals (TPLP)*
- [JB7]** *Transactions on Data Privacy, IIA-CSIC (TDP)*
- [JB6]** *IEEE Transactions on Dependable and Secure Computing, IEEE (TDSC)*
- [JB5]** *IEEE Transactions on Human-Machine Systems, IEEE (THMS)*
- [JB4]** *IEEE Transactions on Services Computing, IEEE (TSC)*
- [JB3]** *IEEE Transactions on Systems, Man, and Cybernetics, IEEE (TSMC)*
- [JB2]** *Web Intelligence and Agent Systems: An International Journal, IOS Press (WAIS)*
- [JB1]** *World Wide Web Journal, Springer (WWWJ)*

**G.21. Review Advisory
Board Member Roles in
International Books**

- [BB20]** *Big Data: Algorithms, Analytics, and Applications, CRC Press, 2015*
- [BB19]** *Data Mining and Analysis in the Engineering Field, IGI Global, 2014*
- [BB18]** *Big Data Management, Technologies, and Applications, IGI Global, 2013*
- [BB17]** *Intelligent Multimedia Technologies for Networking Applications: Techniques and Tools, IGI Global, 2012*
- [BB16]** *Next Generation Content Delivery Infrastructures: Emerging*

Paradigms and Technologies, IGI Global, 2012

[BB15] *Business Intelligence, Springer, 2011*

[BB14] *Cloud Computing for Enterprise Architectures, Springer, 2011*

[BB13] *Learning Structure and Schemas from Documents, Springer, 2011*

[BB12] *Advanced Applications and Structures in XML Processing: Label Streams, Semantics Utilization and Data Query Technologies, IGI Global, 2010*

[BB11] *Emerging Web Intelligence: Advanced Information Retrieval, Springer, 2010*

[BB10] *Emerging Web Intelligence: Advanced Semantic Technologies, Springer, 2010*

[BB9] *The Handbook of Technology Management, Wiley, 2010*

[BB8] *Encyclopedia of Data Warehousing and Mining, 2nd edition, IGI Global, 2009*

[BB7] *Encyclopedia of Information Science and Technology, 2nd edition, IGI Global, 2009*

[BB6] *Evolving Application Domains of Datawarehousing and Mining: Trends and Solutions, IGI Global, 2009*

[BB5] *Handbook of Research on Innovations in Database Technologies and Applications: Current and Future Trends, IGI Global, 2009*

[BB4] *Intelligent Techniques for Warehousing and Mining Sensor Network Data, IGI Global, 2009*

[BB3] *Methods and Supporting Technologies for Data Analysis, Springer, 2009*

[BB2] *New Trends in Data Warehousing and Data Analysis, Springer, 2009*

[BB1] *The Semantic Web for Knowledge and Data Management: Technologies and Practices, IGI Global, 2009*

**G.22. Program Committee
Member Roles in
International Conferences**

About 1.455 program committee member roles in international conferences from 2004 to 2023. An incomplete list of most relevant and recent ones is the following:

2023

[CM200] AAI 2023 – 37th AAI Conference on Artificial Intelligence

[CM199] DSAA 2023 – 2023 IEEE International Conference on Data Science and Advanced Analytics

[CM198] BigData 2023 – 2023 IEEE International Conference on Big Data

[CM197] KDD 2023 – 29th ACM International Conference on Knowledge Discovery and Data Mining – Applied Data Science Track

[CM196] ICDM 2023 – 2023 IEEE International Conference on Data Mining

[CM195] SIGIR 2023 – 46th International ACM SIGIR Conference on Research and Development in Information Retrieval

2022

[CM194] AAAI 2022 – 36th AAAI Conference on Artificial Intelligence

[CM193] DSAA 2022 – 2022 IEEE International Conference on Data Science and Advanced Analytics

[CM192] DASFAA 2022 – 27th International Conference on Database Systems for Advanced Applications

[CM191] KDD 2022 – 28th ACM International Conference on Knowledge Discovery and Data Mining – Applied Data Science Track

[CM190] ICDM 2022 – 2022 IEEE International Conference on Data Mining

[CM189] WISDM 2022 – 15th ACM International Conference on Web Search and Data Mining

2021

[CM188] AAAI 2021 – 35th AAAI Conference on Artificial Intelligence

[CM187] DSAA 2021 – 2021 IEEE International Conference on Data Science and Advanced Analytics

[CM186] DASFAA 2021 – 26th International Conference on Database Systems for Advanced Applications

[CM185] KDD 2021 – 27th ACM International Conference on Knowledge Discovery and Data Mining – Applied Data Science Track

[CM184] ICDM 2021 – 2021 IEEE International Conference on Data Mining

[CM183] WISDM 2021 – 14th ACM International Conference on Web Search and Data Mining

2020

[CM182] AAAI 2020 – 34th AAAI Conference on Artificial Intelligence

[CM181] ECIR 2020 – 42th European Conference on Information Retrieval

[CM180] EDBT 2020 – 23th ACM International Conference on Extending Database Technology

[CM179] DSAA 2020 – 2020 IEEE International Conference on Data Science and Advanced Analytics

[CM178] WWW 2020 – 29th W3C/ACM International World Wide Web Conference

[CM177] ICDM 2020 – 2020 *IEEE International Conference on Data Mining*

2019

[CM176] ICDE 2019 – 35th *IEEE International Conference on Data Engineering*

[CM175] ECIR 2019 – 41st *European Conference on Information Retrieval*

[CM174] EDBT 2019 – 22nd *ACM International Conference on Extending Database Technology*

[CM173] WWW 2019 – 28th *W3C/ACM International World Wide Web Conference*

[CM172] SDM 2019 – 2019 *SIAM International Conference on Data Mining*

2018

[CM171] ADBIS 2018 – 22nd *East-European Conference on Advances in Databases and Information Systems*

[CM170] ASONAM 2018 – 2018 *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*

[CM169] BigData 2018 – 2018 *IEEE International Conference on Big Data*

[CM168] BigData Congress 2018 – 7th *IEEE International Congress on Big Data*

[CM167] CCGrid 2018 – 18th *IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing – Applications Track*

[CM166] CIKM 2018 – 27th *ACM International Conference on Information and Knowledge Management – Database Track*

[CM165] CIKM 2018 – 27th *ACM International Conference on Information and Knowledge Management – Knowledge Management Track*

[CM164] COMPSAC 2018 – 42nd *IEEE Annual International Computer Software and Applications Conference*

[CM163] CoopIS 2018 – 26th *International Conference on Cooperative Information Systems*

[CM162] DEBS 2018 – 12nd *ACM International Conference on Distributed and Event-based Systems (DEBS 2018)*

[CM161] DOLAP 2018 – 21st *ACM International Workshop on Data Warehousing and OLAP*, in conjunction with CIKM 2018

[CM160] ECML PKDD 2018 – 2018 *European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases*

[CM159] ER 2018 – 37th *International Conference on Conceptual Modeling*

[CM58] ICDM 2018 – 2018 *IEEE International Conference on Data Mining*

[CM157] ICMLA 2018 – 35th *IEEE International Conference on Machine Learning and Applications*

[CM156] ICWE 2018 – 18th *International Conference on Web Engineering*

[CM155] KDD 2018 – 24th *ACM International Conference on Knowledge Discovery and Data Mining – Research Track*

[CM154] MDM 2018 – 19th *IEEE International Conference on Mobile Data Management*

[CM153] PAKDD 2018 – 22nd *Pacific-Asia Conference on Knowledge Discovery and Data Mining*

[CM152] SDM 2018 – 2018 *SIAM International Conference on Data Mining*

2017

[CM151] ASONAM 2017 – 2017 *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*

[CM150] BigData 2017 – 2017 *IEEE International Conference on Big Data*

[CM149] BigData Congress 2017 – 6th *IEEE International Congress on Big Data*

[CM148] CCGrid 2017 – 17th *IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing – Applications Track*

[CM147] CIKM 2017 – 26th *ACM International Conference on Information and Knowledge Management – Database Track*

[CM146] CIKM 2017 – 26th *ACM International Conference on Information and Knowledge Management – Knowledge Management Track*

[CM145] CLOUD 2017 – 10th *IEEE International Conference on Cloud Computing*

[CM144] COMPSAC 2017 – 41st *IEEE Annual International Computer Software and Applications Conference*

[CM143] CoopIS 2017 – 25th *International Conference on Cooperative Information Systems*

[CM142] DEBS 2017 – 11th *ACM International Conference on Distributed and Event-based Systems (DEBS 2017)*

[CM141] DOLAP 2017 – 20th *ACM International Workshop on Data Warehousing and OLAP*, in conjunction with CIKM 2017

[CM140] ECML PKDD 2017 – 2017 *European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases*

[CM139] EDBT 2017 – *20th ACM International Conference on Extending Database Technology*

[CM138] ER 2017 – *36th International Conference on Conceptual Modeling*

[CM137] ICDCS 2017 – *34th IEEE International Conference on Distributed Computing Systems – Industrial Track*

[CM136] ICDM 2017 – *2017 IEEE International Conference on Data Mining*

[CM135] ICMLA 2017 – *34th IEEE International Conference on Machine Learning and Applications*

[CM134] ICDE 2017 – *33rd IEEE International Conference on Data Engineering*

[CM133] ICWE 2017 – *17th International Conference on Web Engineering*

[CM132] IJCAI 2017 – *27th International Joint Conference on Artificial Intelligence*

[CM131] MDM 2017 – *18th IEEE International Conference on Mobile Data Management*

[CM130] PAKDD 2017 – *21st Pacific-Asia Conference on Knowledge Discovery and Data Mining*

[CM129] SAC 2017 – *32nd ACM International Symposium on Applied Computing – Multiple Tracks*

[CM128] SDM 2017 – *2017 SIAM International Conference on Data Mining*

[CM127] WWW 2017 – *26th W3C/ACM International World Wide Web Conference*

2016

[CM126] ASONAM 2016 – *2016 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*

[CM125] BigData 2016 – *2016 IEEE International Conference on Big Data*

[CM124] BigData Congress 2016 – *5th IEEE International Congress on Big Data*

[CM123] CCGrid 2016 – *16th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing – Applications Track*

[CM122] CIKM 2016 – *25th ACM International Conference on Information and Knowledge Management – Database Track*

[CM121] CIKM 2016 – *25th ACM International Conference on Information and Knowledge Management – Knowledge Management Track*

[CM120] COMPSAC 2016 – *40th IEEE Annual International Computer Software and Applications Conference*

[CM119] CoopIS 2016 – *24th International Conference on Cooperative Information Systems*

[CM118] DSAA 2016 – *2016 IEEE International Conference on Data Science and Advanced Analytics*

[CM117] DOLAP 2016 – *19th ACM International Workshop on Data Warehousing and OLAP*, in conjunction with CIKM 2016

[CM116] ECIR 2016 – *38th European Conference on Information Retrieval*

[CM115] EDBT 2016 – *19th ACM International Conference on Extending Database Technology*

[CM114] ER 2016 – *35th International Conference on Conceptual Modeling*

[CM113] ICDM 2016 – *2016 IEEE International Conference on Data Mining*

[CM112] ICML 2016 – *33rd International Conference on Machine Learning*

[CM111] ICMLA 2016 – *15th IEEE International Conference on Machine Learning and Applications*

[CM110] IJCAI 2016 – *26th International Joint Conference on Artificial Intelligence*

[CM109] KDD 2016 – *22nd ACM International Conference on Knowledge Discovery and Data Mining – Research Track*

[CM108] MDM 2016 – *17th IEEE International Conference on Mobile Data Management*

[CM107] PAKDD 2016 – *20th Pacific-Asia Conference on Knowledge Discovery and Data Mining*

[CM106] SAC 2016 – *31st ACM International Symposium on Applied Computing – Multiple Tracks*

[CM105] SDM 2016 – *2016 SIAM International Conference on Data Mining*

[CM104] TrustCom 2016 – *15th IEEE International Conference on Trust, Security and Privacy in Computing and Communications*

[CM103] WWW 2016 – *25th W3C/ACM International World Wide Web Conference*

2015

[CM102] ASONAM 2015 – *2015 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*

[CM101] BDSE 2015 – *4th IEEE International Conference on Big Data Science and Engineering*

[CM100] BigData 2015 – *2015 IEEE International Conference on Big Data*

- [CM99] BigData Congress 2015 – *4th IEEE International Congress on Big Data*
- [CM98] BigMine 2015 – *4th International Workshop on Big Data, Streams and Heterogeneous Source Mining*, in conjunction with KDD 2014
- [CM97] CCGrid 2015 – *15th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing – Applications Track*
- [CM96] CIKM 2015 – *24th ACM International Conference on Information and Knowledge Management – Knowledge Management Track*
- [CM95] CLOUD 2015 – *8th IEEE International Conference on Cloud Computing*
- [CM94] COMPSAC 2015 – *39th IEEE Annual International Computer Software and Applications Conference*
- [CM93] CoopIS 2015 – *23rd International Conference on Cooperative Information Systems*
- [CM92] DASFAA 2015 – *20th International Conference on Database Systems for Advanced Applications – Industrial Track*
- [CM91] DOLAP 2015 – *18th ACM International Workshop on Data Warehousing and OLAP*, in conjunction with CIKM 2015
- [CM90] ECIR 2015 – *37th European Conference on Information Retrieval*
- [CM89] ECML PKDD 2015 – *2015 European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases*
- [CM88] EDBT 2015 – *18th ACM International Conference on Extending Database Technology*
- [CM87] ER 2015 – *34th International Conference on Conceptual Modeling*
- [CM86] ICDM 2015 – *2015 IEEE International Conference on Data Mining*
- [CM85] ICML 2015 – *32nd International Conference on Machine Learning*
- [CM84] ICMLA 2015 – *14th IEEE International Conference on Machine Learning and Applications*
- [CM83] KDD 2015 – *21st ACM International Conference on Knowledge Discovery and Data Mining – Research Track*
- [CM82] MDM 2015 – *16th IEEE International Conference on Mobile Data Management*
- [CM81] PAKDD 2015 – *19th Pacific-Asia Conference on Knowledge Discovery and Data Mining*
- [CM80] SDM 2015 – *2015 SIAM International Conference on Data Mining*

[CM79] SSDBM 2015 – *27th ACM International Conference on Scientific and Statistical Database Management*

[CM78] TIME 2015 – *22nd IEEE International Symposium on Temporal Representation and Reasoning*

[CM77] TrustCom 2015 – *14th IEEE International Conference on Trust, Security and Privacy in Computing and Communications*

[CM76] WWW 2015 – *24th W3C/ACM International World Wide Web Conference*

2014

[CM75] ASONAM 2014 – *2014 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*

[CM74] BigData 2014 – *2014 IEEE International Conference on Big Data*

[CM73] BigData Congress 2014 – *3rd IEEE International Congress on Big Data*

[CM72] BigMine 2014 – *3rd International Workshop on Big Data, Streams and Heterogeneous Source Mining*, in conjunction with KDD 2014

[CM71] CCGrid 2014 – *14th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing – Applications Track*

[CM70] CIKM 2014 – *23rd ACM International Conference on Information and Knowledge Management – Knowledge Management Track*

[CM69] COMPSAC 2014 – *38th IEEE Annual International Computer Software and Applications Conference*

[CM68] CoopIS 2014 – *22nd International Conference on Cooperative Information Systems*

[CM67] DASFAA 2014 – *19th International Conference on Database Systems for Advanced Applications – Industrial Track*

[CM66] DSAA 2014 – *2014 IEEE International Conference on Data Science and Advanced Analytics*

[CM65] DOLAP 2014 – *17th ACM International Workshop on Data Warehousing and OLAP*, in conjunction with CIKM 2014

[CM64] ECIR 2014 – *36th European Conference on Information Retrieval*

[CM63] EDBT 2014 – *17th ACM International Conference on Extending Database Technology*

[CM62] ER 2014 – *33rd International Conference on Conceptual Modeling*

[CM61] ICDM 2014 – *2014 IEEE International Conference on Data Mining*

[CM60] ICML 2014 – *31st International Conference on Machine Learning*

[CM59] ICMLA 2014 – *13th IEEE International Conference on Machine Learning and Applications*

[CM58] KDD 2014 – *20th ACM International Conference on Knowledge Discovery and Data Mining – Research Track*

[CM57] MDM 2014 – *15th IEEE International Conference on Mobile Data Management*

[CM56] PAKDD 2014 – *18th Pacific-Asia Conference on Knowledge Discovery and Data Mining*

[CM55] SDM 2014 – *2014 SIAM International Conference on Data Mining*

[CM54] SSDBM 2014 – *26th ACM International Conference on Scientific and Statistical Database Management*

[CM53] TIME 2014 – *21st IEEE International Symposium on Temporal Representation and Reasoning*

[CM52] TrustCom 2014 – *13th IEEE International Conference on Trust, Security and Privacy in Computing and Communications*

[CM51] WWW 2014 – *23rd W3C/ACM International World Wide Web Conference – Demonstration Track*

2013

[CM50] ADBIS 2013 – *17th East-European Conference on Advances in Databases and Information Systems*

[CM49] ASONAM 2013 – *2013 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*

[CM48] BigData 2013 – *1st IEEE International Conference on Big Data*

[CM47] BigMine 2013 – *2nd International Workshop on Big Data, Streams and Heterogeneous Source Mining*, in conjunction with KDD 2013

[CM46] CLOUD 2013 – *6th IEEE International Conference on Cloud Computing*

[CM45] COMPSAC 2013 – *37th IEEE Annual International Computer Software and Applications Conference*

[CM44] DASFAA 2013 – *18th International Conference on Database Systems for Advanced Applications – Research Track*

[CM43] DBRank 2013 – *7th International Workshop on Ranking in Databases*, in conjunction with VLDB 2013

[CM42] DOLAP 2013 – *16th ACM International Workshop on Data Warehousing and OLAP*, in conjunction with CIKM 2013

[CM41] ECIR 2013 – *35th European Conference on Information Retrieval*

[CM40] ER 2013 – 32nd ACM International Conference on Conceptual Modeling

[CM39] HPCC 2013 – 15th IEEE International Conference on High Performance Computing and Communications – Database Applications and Data Mining Track

[CM38] ICDCS 2013 – 33rd IEEE International Conference on Distributed Computing Systems – Big Data, Data Management, and Analytics Track

[CM37] ICDM 2013 – 2013 IEEE International Conference on Data Mining

[CM36] ICMLA 2013 – 12th IEEE International Conference on Machine Learning and Applications

[CM35] IJCAI 2013 – 23rd International Joint Conference on Artificial Intelligence

[CM34] KDD 2013 – 19th ACM International Conference on Knowledge Discovery and Data Mining – Research Track

[CM33] PAKDD 2013 – 17th Pacific-Asia Conference on Knowledge Discovery and Data Mining

[CM32] SAC 2013 – 28th ACM International Symposium on Applied Computing – Multiple Tracks

[CM31] SDM 2013 – 2013 SIAM International Conference on Data Mining

[CM30] SSDBM 2013 – 25th ACM International Conference on Scientific and Statistical Database Management

[CM29] SMC 2013 – 2013 IEEE International Conference on Systems, Man, and Cybernetics – Soft Computing Track

[CM28] SSTDM 2013 – 2013 IEEE International Workshop on Spatial and Spatiotemporal Data Mining, in conjunction with IEEE ICDM 2013

[CM27] TrustCom 2013 – 12th IEEE International Conference on Trust, Security and Privacy in Computing and Communications – Privacy Track

[CM26] WISE 2013 – 14th International Conference on Web Information Systems Engineering

2012

[CM25] ACML 2012 – 4th Asian Conference on Machine Learning

[CM24] ADBIS 2012 – 16th East-European Conference on Advances in Databases and Information Systems

[CM23] ASONAM 2012 – 2012 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining

[CM22] CAiSE 2012 – 24th International Conference on Advanced

Information Systems Engineering

[CM21] CIKM 2012 – 21st ACM International Conference on Information and Knowledge Management – Knowledge Management Track

[CM20] CLOUD 2012 – 5th IEEE International Conference on Cloud Computing

[CM19] COMPSAC 2012 – 36th IEEE Annual International Computer Software and Applications Conference

[CM18] DASFAA 2012 – 17th International Conference on Database Systems for Advanced Applications – Research Track

[CM17] DBRank 2012 – 6th International Workshop on Ranking in Databases, in conjunction with VLDB 2012

[CM16] DCOSS 2012 – 8th IEEE/ACM International Conference on Distributed Computing in Sensor Systems – Applications and Systems Track

[CM15] DOLAP 2012 – 15th ACM International Workshop on Data Warehousing and OLAP, in conjunction with CIKM 2012

[CM14] ECIR 2012 – 34th European Conference on Information Retrieval

[CM13] ECML-PKDD 2012 – 2012 European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases

[CM12] EDBT 2012 – 15th ACM International Conference on Extending Database Technology

[CM11] ER 2012 – 31st ACM International Conference on Conceptual Modeling

[CM10] ICDE 2012 – 28th IEEE International Conference on Data Engineering

[CM9] ICDM 2012 – 2012 IEEE International Conference on Data Mining

[CM8] KDD 2012 – 18th ACM International Conference on Knowledge Discovery and Data Mining – Research Track

[CM7] PAKDD 2012 – 16th Pacific-Asia Conference on Knowledge Discovery and Data Mining

[CM6] SDM 2012 – 2012 SIAM International Conference on Data Mining

[CM5] SSDBM 2012 – 24th International Conference on Scientific and Statistical Database Management

[CM4] SSTDM 2012 – 2012 IEEE International Workshop on Spatial and Spatiotemporal Data Mining, in conjunction with IEEE ICDM 2012

[CM3] TrustCom 2012 – 11th IEEE International Conference on Trust, Security and Privacy in Computing and Communications – Privacy Track

[CM2] VLDB 2012 – *38th International Conference on Very Large Databases – Research Track*

[CM1] WWW 2012 – *21st W3C/ACM International World Wide Web Conference – Web Engineering Track*

**G.23. Organizing
Committee Member Roles
in National Conferences**

[MO2] *16th Italian Symposium on Advanced Database Systems* (SEBD 2008)

[MO1] *11th Italian Symposium on Advanced Database Systems* (SEBD 2003)

Section H: Scientific Advising

**H.1. Scientific Advisor
Roles for Research
Associates**

[SR10] Antonio Orrico, iDEA Lab, University of Calabria, Italy, 2023

[SR9] Ismail Benlaredj, iDEA Lab, University of Calabria, Italy, since 2023

[SR8] Abderraouf Hafsaoui, iDEA Lab, University of Calabria, Italy, since 2022

[SR7] Islam Belmerabet, iDEA Lab, University of Calabria, Italy, since 2022

[SR6] Carmine Gallo, iDEA Lab, University of Calabria, Italy, since 2022

[SR5] Luigi Canadè, iDEA Lab, University of Calabria, Italy, since 2022

[SR4] Marco Mastratisi, iDEA Lab, University of Calabria, Italy, 2022-2023

[SR3] Majid Abbasi, DIA Department, University of Trieste, Italy, 2021-2022

[SR2] Pasquale Lombardo, iDEA Lab, University of Calabria, Italy, 2021-2022

[SR1] Aurelio Paolillo, iDEA Lab, University of Calabria, Italy, 2020-2021

**H.2. Scientific Co-Advisor
Roles for Research
Associates**

[CR24] Vincenzo De Maio, Institute of Information Systems Engineering, Vienna University of Technology, Austria, 2017-2020

[CR23] Edoardo Fadda, Department of Control and Computer Engineering, Polytechnic University of Turin, Italy, since 2017

[CR22] Francesco Mercaldo, Institute of Informatics and Telematics, National Research Council (CNR), Italy, 2017-2019

[CR21] Stefania Tomasiello, Department of Management Information Systems, University of Salerno, Italy, 2017-2018

[CR20] Massimiliano Nolic, Department of Engineering, University of Trieste, Italy, 2016-2019

[CR19] Danilo Amendola, Department of Neuro Computer Science, IRCCS Bonino-Pulejo, Italy, 2016-2017

[CR18] Carmen De Maio, Department of Computer Science, University of Salerno, Italy, 2015-2016

[CR17] Giuseppe Fenza, Department of Computer Science, University of Salerno, Italy, 2015-2016

[CR16] Maurizio Toccu, Department of Management, Information and Production Engineering, University of Bergamo, Italy, 2015-2016

[CR15] Paolo Fosci, Department of Management, Information and Production Engineering, University of Bergamo, Italy, 2014-2015

[CR14] Angela Spanti, CSECS Department – Computer Science Section, University of Messina, Italy, 2014-2015

[CR13] Pietro Manti, CSECS Department – Computer Science Section, University of Messina, Italy, 2014-2015

[CR12] Vincenzo Rodinò, Department of Informatics, Modeling, Electronics and Systems Engineering, University of Calabria, Italy, 2013-2014 (Research Internship at ICAR-CNR, Italy)

[CR11] Inanc Arin, Faculty of Engineering and Natural Science, Sabanci University, Turkey, 2010-2011 (Research Internship at ICAR-CNR, Italy, in collaboration with Yucel Saygin)

[CR10] Gaetano Fabiano, Department of Mathematics – Computer Science Section, University of Calabria, Italy, 2010-2011 (Research Internship at ICAR-CNR, Italy)

[CR9] Ahmet Kocyigit, Faculty of Engineering and Natural Science, Sabanci University, Turkey, 2010-2011 (Research Internship at ICAR-CNR, Italy, in collaboration with. Yucel Saygin)

[CR8] Francesco Cambria, Department of Physics – Computer Science Section, University of Messina, Italy, 2009-2010 (Research Internship at Yahoo! Research, Barcelona, Spain, in collaboration with Francesco Bonchi)

[CR7] Nicola Grillo, Department of Electronics, Computer Science, and Systems, University of Calabria, Italy, 2009-2010 (Research Internship at University of Lyon 1, Lyon, France, in collaboration with Mohand-Said Hacid)

[CR6] Elio Merlino, Department of Physics – Computer Science Section, University of Messina, Italy, 2009-2010 (Research Internship at Yahoo! Research, Barcelona, Spain, in collaboration with Francesco Bonchi)

[CR5] Francesco Quintieri, Department of Electronics, Computer Science, and Systems, University of Calabria, Italy, 2009-2010 (Research Internship at University of Lyon 1, Lyon, France, in collaboration with Mohand-Said Hacid)

[CR4] Domenico Solano, Department of Electronics, Computer Science, and Systems, University of Calabria, Italy, 2009-2010 (Research Internship at University of Lyon 1, Lyon, France, in collaboration with Mohand-Said Hacid)

[CR3] Domenico Crea, Department of Electronics, Computer Science, and Systems, University of Calabria, Italy, 2008-2009 (Research Internship at

Yahoo! Research, Barcelona, Spain, in collaboration with Ricardo Baeza-Yates)

[CR2] Ottavio Gentile, Department of Electronics, Computer Science, and Systems, University of Calabria, Italy, 2008-2009 (Research Internship at Sabanci University, Instabul, Turkey, in collaboration with Yucel Saygin)

[CR1] Giovanni Lo Bianco, Department of Electronics, Computer Science, and Systems, University of Calabria, Italy, 2008-2009 (Research Internship at Yahoo! Research, Barcelona, Spain, in collaboration with Ricardo Baeza-Yates)

H.3. Scientific Advisor Roles for PhD Students

[SP5] Maryam Samami, PhD Student, iDEA Lab, University of Calabria, Italy, since A.Y. 2022/2023

[SP4] Mojtaba Hajian, PhD Student, iDEA Lab, University of Calabria, Italy, since A.Y. 2021/2022

[SP3] Laouir Ala Eddine, PhD Student, Department of Computer Science, University of Lorraine, France, A.Y. 2020/2021

[SP2] Abdul Aziz, PhD Student, iDEA Lab, University of Calabria, Italy, A.Y. 2020/2021

[SP1] Selim Soufargi, PhD Student, iDEA Lab, University of Calabria, Italy, since A.Y. 2020/2021

H.4. Scientific Co-Advisor Roles for PhD Students

[SD28] Bryan H. Wodi, PhD Student, Department of Computer Science, University of Manitoba, Canada, since A.Y. 2019/2020

[SD27] Calvin S. H. Hoi, PhD Student, Department of Computer Science, University of Manitoba, Canada, since A.Y. 2019/2020

[SD26] Joglas Souza, PhD Student, Department of Computer Science, University of Manitoba, Canada, since A.Y. 2019/2020

[SD25] Smrithy Girijakumari Sreekantan, PhD Student, Department of Computer Applications, National Institute of Technology Tiruchirappalli, India, A.Y. 2016/2017 – A.Y. 2018/2019

[SD24] Suyong Kim, PhD Student, Department of Computer Science, University of Manitoba, Canada, A.Y. 2016/2017 – A.Y. 2018/2019

[SD23] Adam G.M. Pazdor, PhD Student, Department of Computer Science, University of Manitoba, Canada, A.Y. 2015/2016 – A.Y. 2018/2019

[SD22] Karen Aline Alves Bezerra, PhD Student, Department of Computer Science, University of Lavras, Brasil, A.Y. 2015/2016 – A.Y. 2016/2017

[SD21] Ben Hur Bahia do Nascimento, PhD Student, Department of Computer Science, University of Lavras, Brasil, A.Y. 2015/2016 – A.Y. 2016/2017

[SD20] Staci Lattimer, PhD Student, School of Computing, University of Portsmouth, UK, A.Y. 2014/2015 – A.Y. 2015/2016

- [SD19] Peter Braun, PhD Student, Department of Computer Science, University of Manitoba, Canada, A.Y. 2013/2014 – A.Y. 2016/2017
- [SD18] Richard Kyle MacKinnon, PhD Student, Department of Computer Science, University of Manitoba, Canada, A.Y. 2013/2014 – A.Y. 2015/2016
- [SD17] Syed K. Tanbeer, PhD Student, Department of Computer Science, University of Manitoba, Canada, A.Y. 2013/2014 – A.Y. 2015/2016
- [SD16] Ary Mazharuddin Shiddiqi, PhD Student, School of Computing, University of Portsmouth, UK, A.Y. 2013/2014 – A.Y. 2014/2015
- [SD15] Rima Bouchakri, PhD Student, Department of Model and Data Engineering, LIAS/ISAE-ENSMA and University of Poitiers, France, A.Y. 2012/2013 – A.Y. 2013/2014
- [SD14] Juan J. Cameron, PhD Student, Department of Computer Science, University of Manitoba, Canada, A.Y. 2012/2013 – A.Y. 2013/2014
- [SD13] Shane Leo Francis, PhD Student, School of Computing, University of Portsmouth, UK, A.Y. 2012/2013
- [SD12] Robson Fidalgo, PhD Student, Computer Science Center, University of Pernambuco, Brazil, A.Y. 2011/2012 – A.Y. 2012/2013
- [SD11] Qiu Hong Li, PhD Student, Department of Computer Science, Fudan University, China, A.Y. 2011/2012
- [SD10] Ranjani Nagarajan, PhD Student, School of Information Technology, Monash University, Australia, A.Y. 2011/2012
- [SD9] Soumia Benkrid, PhD Student, Department of Model and Data Engineering, LIAS/ISAE-ENSMA and University of Poitiers, France, A.Y. 2010/2011 – A.Y. 2012/2013
- [SD8] Marco Fisichella, PhD Student, L3S Research Center, Department of Computer Science, University of Hannover, Germany, A.Y. 2010/2011 – A.Y. 2011/2012
- [SD7] Paolo Serafino, PhD Student, Department of Electronics, Computer Science, and Systems, University of Calabria, Italy, A.Y. 2009/2010 – A.Y. 2011/2012
- [SD6] Marouane Hachicha, PhD Student, ERIC Laboratory, Department of Computer Science and Statistics, University of Lyon 2, France, A.Y. 2007/2008
- [SD5] Vincenzo Russo, PhD Student, Department of Electronics, Computer Science, and Systems, University of Calabria, Italy, A.Y. 2006/2007 – A.Y. 2008/2009
- [SD4] Abhas Kumar, PhD Student, Department of Computer Science and Engineering, Indian Institute of Technology, Kanpur, India, A.Y. 2005/2006
- [SD3] Gaetano D'Aquila, PhD Student, Department of Electronics, Computer

Science, and Systems, University of Calabria, Italy, A.Y. 2004/2005

[SD2] Graziella Ribecco, PhD Student, Department of Electronics, Computer Science, and Systems, University of Calabria, Italy, A.Y. 2004/2005

[SD1] Ugo Matrangolo, PhD Student, Department of Electronics, Computer Science, and Systems, University of Calabria, Italy, A.Y. 2003/2004 – A.Y. 2004/2005

H.5. Scientific Board Member Roles in PhD Programs

[SB4] PhD Program in Information and Communication Technologies
University of Calabria, Rende, Italy
Scientific Board Member **since 03/2020**

[SB4] PhD Program in Industrial and Computer Engineering
University of Trieste, Trieste, Italy
Scientific Board Member **03/2016-02/2020**

[SB3] PhD Program in Information and Communication Engineering for
Pervasive Intelligent Environments
University of Calabria, Rende, Italy
Scientific Board Member **11/2013-02/2016**

[SB2] ISIMR Doctorate School – Systems Engineering, Informatics,
Mathematics and Operational Research
University of Calabria, Rende, Italy
Scientific Board Member **03/2010-02/2016**

[SB1] PhD Program in Systems and Computer Engineering
University of Calabria, Rende, Italy
Scientific Board Member **03/2010-10/2013**

H.6. Scientific Board Member Roles in PhD Committees

[CB10] PhD Program in Computer Science
University of Calabria, Italy
PhD Committee Member **04/2022**

[CB9] PhD Program in Computer Science
University of Tartu, Estonia
PhD Committee Member **12/2018**

[CB7] PhD Program in Computing and Information Systems
The University of Melbourne, Melbourne, VIC, Australia
PhD Committee Member **10/2018**

[CB6] PhD Program in Computer Science and Engineering
University of New South Wales, Sydney, NSW, Australia
PhD Committee Member **01/2017**

[CB5] PhD Program in Information Systems Engineering
Osaka University, Osaka, Japan
PhD Committee Member **11/2016**

[CB4] PhD Program in Computer Science
University of Venice, Venice, Italy
PhD Committee Member **09/2016**

[CB3] PhD Program in Computer Science and Information Technology RMIT University, Melbourne, VIC, Australia PhD Committee Member	09/2012
[CB2] PhD Program in Computer Science Aalborg University, Aalborg, Denmark PhD Committee Member	08/2011
[CB1] PhD Program in Computer Science and Engineering University of New South Wales, Sydney, NSW, Australia PhD Committee Member	08/2007

H.7. Review Board Member Roles in PhD Programs

[RB12] PhD Program in Computer Science and Electrical Engineering Queensland University of Technology, Brisbane, Australia Review Board Member	since 12/2018
[RB11] PhD Program in Computer Science and Engineering VTU Research Resource Centre, Belagavi, India Review Board Member	since 06/2017
[RB10] PhD Program in Computer Science and Engineering National Institute of Computer Science and Engineering, Calicut, India Review Board Member	since 04/2017
[RB9] PhD Program in Computer Science and Engineering (Information Security) National Institute of Technology, Calicut, India Review Board Member	since 12/2016
[RB8] PhD Program in Computer Science and Engineering University of New South Wales, Sydney, Australia Review Board Member	since 11/2016
[RB7] PhD Program in Information Systems Engineering Osaka University, Osaka, Japan Review Board Member	since 11/2016
[RB6] PhD Program in Information Engineering Nagoya University, Nagoya, Japan Review Board Member	since 11/2016
[RB5] PhD Program in Computer Science University of Venice, Venice, Italy Review Board Member	since 09/2016
[RB4] PhD Program in Computer Science and Engineering National University of Singapore, Singapore Review Board Member	since 06/2013
[RB3] PhD Program in Computer Science and Information Technology RMIT University, Melbourne, Australia Review Board Member	since 09/2012
[RB2] PhD Program in Computer Science	

Aalborg University, Aalborg, Denmark

Review Board Member

since 08/2011

[RB1] PhD Program in Computer Science and Engineering

University of New South Wales, Sydney, Australia

Review Board Member

since 08/2007

Section I: University Services

I.1. Institutional Roles in University Services

[RS27] Judging Committee Secretary for One Research Associate Position in Computer Engineering at Department of Computer Engineering, Modeling, Electronics and Systems, University of Calabria, Italy **09/2023**

[RS26] Judging Committee Member for One Tenured Associate Professor Position in Computer Science at the Computer Science Department of the Texas Tech University, USA **07/2023**

[RS25] Judging Committee President for One Research Internship Position in Computer Engineering at DISPES Department, University of Calabria, Italy **05/2023**

[RS24] Judging Committee Secretary for Two Research Internship Positions in Computer Engineering at Department of Computer Engineering, Modeling, Electronics and Systems, University of Calabria, Italy **05/2023**

[RS23] Delegate for “Computer Science and Computer Processes” of the DISPES Department, University of Calabria, Italy **since 12/2022**

[RS22] Judging Committee Member for One Associate Professor Position in Computer Science at the Faculty of Computer and Information Systems of the Islamic University of Madinah, Saudi Arabia **12/2022**

[RS21] Judging Committee Secretary for One Research Associate Position in Artificial Intelligence at DISPES Department, University of Calabria, Italy **10/2022**

[RS20] Judging Committee President for Two Research Internship Positions in Computer Engineering at DISPES Department, University of Calabria, Italy **09/2022**

[RS19] Judging Committee Secretary for Two Research Internship Positions in Artificial Intelligence at DISPES Department, University of Calabria, Italy **09/2022**

[RS18] Judging Committee Secretary for Three Research Associate Positions in Artificial Intelligence at DISPES Department, University of Calabria, Italy **07/2022**

[RS17] Judging Committee President for One Research Associate Position in Computer Engineering at DISPES Department, University of Calabria, Italy **03/2022**

[RS16] Judging Committee President for Two Research Consultant Positions in Computer Engineering at DISPES Department, University of Calabria,

- Italy **02/2022**
- [RS15]** Judging Committee Member for One Assistant Professor Position in Computer Engineering at Department of Electrical Engineering of KU Leuven, Belgium **11/2020**
- [RS14]** Judging Committee Member for One Research Associate Position in Computer Engineering at DISPES Department, University of Calabria, Italy **07/2020**
- [RS13]** Director of the Computer Science Laboratory (Teaching Lab) of the DISPES Department, University of Calabria, Italy **since 09/2019**
- [RS12]** Committee Member of the Council of the DISPES Department, University of Calabria, Italy **since 06/2019**
- [RS11]** Committee Member of the Council of the Master Degree in Business & Management, University of Calabria, Italy **since 06/2019**
- [RS10]** Erasmus Contact Person for the University of Calabria, Italy, targeted to Master and Bachelor Students **since 06/2019**
- [RS9]** Judging Committee President for One Associate Professor Position in Computer Engineering at Department of Applied Science, Al-Balqa Applied University, Jordan **05/2019**
- [RS8]** Judging Committee President for One Research Associate Position in Computer Engineering at Department of Engineering, University of Trieste, Italy **09/2018**
- [RS7]** Committee Member of the Council of the Master Degree in Electronics and Computer Science Engineering, University of Trieste, Italy **05/2016-06/2019**
- [RS6]** Coordinator for the Erasmus Agreement between University of Trieste, Italy and University of Rijeka, Croatia – Subject Area: Information and Communication Technologies (ICTs) **12/2015-06/2019**
- [RS5]** Judging Committee Member for One Researcher Position in Computer Engineering at Institute of High Performance Computing and Networking of the National Research Council (CNR), Italy **12/2015**
- [RS4]** Judging Committee Member for One Researcher Position in Computer Engineering at Institute of High Performance Computing and Networking of the National Research Council (CNR), Italy **11/2015**
- [RS3]** Committee Member of the Council of the Department of Engineering, University of Trieste, Italy **03/2015-06/2019**
- [RS2]** Erasmus Contact Person targeted to Visiting Professors, University of Calabria, Italy **06/2008-02/2015**
- [RS1]** Erasmus Contact Person targeted to Master and Bachelor Students, University of Calabria, Italy **02/2004-02/2015**

I.2. Scientific Advisor Roles for Master and Bachelor Students

[T61] (in collaboration with Soumia Benkrid) Y.I. Ghodbane, “*Privacy-Preserving OLAP: Extensions to Hierarchical Data Domains – Theory and Practice*”, Master Degree on Computer Science Engineering, National Computer Science Engineering School, Algeria, A.Y. 2023-2024

[T60] (in collaboration with Soumia Benkrid) O.H.A. Fekhar, “*Supporting Digital Twin Data Management and OLAP Analytics: Models, Algorithms, Implementations*”, Master Degree on Computer Science Engineering, National Computer Science Engineering School, Algeria, A.Y. 2023-2024

[T59] P. Boca, “*Design and Development of Algorithms to Support Multidimensional Aggregations on Big Data in Cloud Computing Environments*”, Master Degree on Computer Science, Department of Computer Science, University of Calabria, Italy, A.Y. 2022-2023

[T58] L. Canadè, “*Design and Development of Tools to Support Multidimensional Big Data Analytics in the Healthcare Sector*”, Master Degree on Business Information Systems, DISPES Department, Section: Computer Engineering, University of Calabria, Italy, A.Y. 2021-2022

[T57] (in collaboration with Emanuel Weitschek) G. Bagnato, “*Big Data Management, Processing and Analysis Architectures: The Case of Google Big Data*”, Master Degree on Computer Science Engineering, Department of Engineering, Uninettuno University, Italy, A.Y. 2019-2020

[T56] C. Ghervase, “*Design, Development and Implementation of a Web CMS System for the Management and Automatic Transformation of Data, Information and Activities in the Scientific Research Domain: Configuration of the Architecture and Wiki Documentation System*”, Bachelor Degree on Computer Science Engineering, Department of Engineering, University of Trieste, Italy, A.Y. 2017-2018

[T55] G. Furlan, “*Design, Development and Implementation of a Web CMS System for the Management and Automatic Transformation of Data, Information and Activities in the Scientific Research Domain: Client-Server Web Infrastructure and Use Cases*”, Bachelor Degree on Computer Science Engineering, Department of Engineering, University of Trieste, Italy, A.Y. 2016-2017

[T54] M. Goreta, “*Design, Development and Implementation of a Web CMS System for the Management and Automatic Transformation of Data, Information and Activities in the Scientific Research Domain: Web Structure and Support Database*”, Bachelor Degree on Computer Science Engineering, Department of Engineering, University of Trieste, Italy, A.Y. 2015-2016

[T53] A. Paraspuro, “*Prestashop and Magento: Two Open Source CMS for the Implementation of E-Commerce Systems*”, Bachelor Degree on Computer Science Engineering, Department of Informatics, Modeling, Electronics and Systems Engineering, University of Calabria, Italy, A.Y. 2015-2016

[T52] O. Kiwizera, “*OLAP Analysis and OLAM Analysis on Smart Objects of the TETRA Network*”, Bachelor Degree on Computer Science Engineering, Department of Informatics, Modeling, Electronics and Systems Engineering, University of Calabria, Italy, A.Y. 2015-2016

[T51] D. Benevento, “*Design and Development of a Web CMS System for the*

Management of Information and Scientific Research Activities”, Bachelor Degree on Computer Science Engineering, Department of Informatics, Modeling, Electronics and Systems Engineering, University of Calabria, Italy, A.Y. 2011-2012

[T50] A. Palermo, “*Hand-OLAP: A Java-Based Mobile OLAP System – Models, Techniques, Experiments and Case Studies*”, Bachelor Degree on Computer Science Engineering, Department of Informatics, Modeling, Electronics and Systems Engineering, University of Calabria, Italy, A.Y. 2011-2012

[T49] (in collaboration with Michelangelo Ceci and Donato Malerba) F. Turturo, “*OLAPBIRCH: Design and Implementation of a Hierarchical Clustering Algorithm to Support OLAP Technologies*”, Bachelor Degree on Computer Science and Software Technologies, Faculty of Natural, Physical and Mathematical Sciences, University of Bari, Italy, A.Y. 2009-2010

[T48] (in collaboration with Michelangelo Ceci and Donato Malerba) M.C. Tarantino, “*OLAPBIRCH: Integration of a Hierarchical Clustering Algorithm to Support OLAP Technologies*”, Bachelor Degree on Computer Science and Software Technologies, Faculty of Natural, Physical and Mathematical Sciences, University of Bari, Italy, A.Y. 2009-2010

[T47] S. Manti, “*ML-CARM^A: A Framework for Discovery of Association Rules from OLAP Data Cubes based on Multidimensional Gradient Analysis*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2009-2010

[T46] D. Solano, “*Analysis and Testing of a Framework for the Management of Privacy in Peer-To-Peer Networks*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2009-2010

[T45] N. Grillo, “*A Framework for Selection of Access Control Rules on Materialized Views Defined on Large Relational Databases*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2009-2010

[T44] M. Ioppolo, “*k-GSQ: An Irregular-Partition-Based Algorithm to Support Skyline Query Processing in Relational Database Systems*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2009-2010

[T43] G.P. Tessitore, “*A Framework for Supporting Model-Driven Data Mining Processes*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2009-2010

[T42] G. Lo Bianco, “*A Framework for Multi-Level Association Rule Discovery from OLAP Data Cubes with Antimonotone and Non-Antimonotone Measures*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2009-2010

[T41] P. Serafino, “*LCS-Hist: A High-Dimensional Massive OLAP Data Cube Compression Technique*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2008-2009

[T40] O. Gentile, “*Privacy Management of Multidimensional Hierarchical Domains*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2008-2009

[T39] L. Melito, “*Experimental Analysis of an Algorithm for Extracting Association Rules from OLAP Data Cubes*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2008-2009

[T38] D. Laganà, “*Case Studies of a Process-Based Methodology for Modeling Complex Information Systems*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2008-2009

[T37] D. Crea, “*Genetic Programming Algorithms for Learning Ranking Functions for Web Information Retrieval*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2008-2009

[T36] (in collaboration with Pasquale Rullo) F. Diana, “*An Algorithm for Extracting Association Rules from OLAP Data Cubes*”, Bachelor Degree on Computer Science, Faculty of Natural, Physical and Mathematical Sciences, University of Calabria, Italy, A.Y. 2008-2009

[T35] (in collaboration with Pasquale Rullo) S. Perri, “*Design and Implementation of Multidimensional Systems: Business Intelligence in the Energy Sector*”, Bachelor Degree on Computer Science, Faculty of Natural, Physical and Mathematical Sciences, University of Calabria, Italy, A.Y. 2007-2008

[T34] (in collaboration with Domenico Saccà) G. Magurno, “*GSQ: An Algorithm for Efficient Execution of Skyline Queries with Constraints*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2007-2008

[T33] (in collaboration with Domenico Saccà) F. Aiello, “*Implementation and Testing of a Framework for the Privacy of OLAP Queries*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2007-2008

[T32] (in collaboration with Domenico Saccà) G. Filippone, “*OLAP Analysis and Data Mining Tools for Multidimensional Databases in Tax and Land Registry Sectors*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2006-2007

[T31] (in collaboration with Domenico Saccà) F. Cristofaro, “*Editing Visualization Dimensions of Compressed OLAP Views in Hand-OLAP*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2006-2007

[T30] (in collaboration with Domenico Saccà) C. Mendicino, “*Design and Development of an Electronic Commerce Site for a Technical Assistance Center for Power Tools*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2006-2007

[T29] (in collaboration with Domenico Saccà) V. Squillaci, “*Server-Side*

Application Development Environments”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2005-2006

[T28] (in collaboration with Domenico Saccà) P. Serafino, “*Hierarchy-Driven Multidimensional Data Cube Compression for Advanced OLAP Visualization Tools*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2005-2006

[T27] (in collaboration with Domenico Saccà) N. Barbieri, “*Management of Privacy in OLAP Queries: An Alternative to Perturbation Techniques*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2005-2006

[T26] (in collaboration with Domenico Saccà) E. Serra, “*Management of Privacy in OLAP Queries*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2005-2006

[T25] (in collaboration with Domenico Saccà) E. Ripoli, “*The View Selection Problem in OLAP Systems: State of the Art and Comparative Analysis*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2005-2006

[T24] (in collaboration with Domenico Saccà) A. Bevacqua, “*Management of Privacy in OLAP Queries: An Alternative to Camouflage Techniques*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2005-2006

[T23] (in collaboration with Domenico Saccà) V. Russo, “*Data Management in SensorGrid: A System for the Representation, Storage and Approximate Querying of Data Streams based on High-Performance Computational Grids*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2004-2005

[T22] (in collaboration with Domenico Saccà) V. Rodinò, “*OLAP Systems: State of the Art and Comparative Analysis*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2004-2005

[T21] (in collaboration with Domenico Saccà) P. Franco, “*Distributed Query Optimization in SensorGrid: A Cost Model*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2004-2005

[T20] (in collaboration with Domenico Saccà) M. Macrì, “*Development of an OLAP System with Web Interface for Managing Missions*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2004-2005

[T19] (in collaboration with Domenico Saccà) M. Ionà, “*Design and Development of an e-Commerce System based on Java 2 Enterprise Edition Technology*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2004-2005

[T18] (in collaboration with Domenico Saccà) M. Condino, “*Compiling*

Distributed Queries in SensorGrid, A Sensor Data Flow Management System on Computational Grids”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2004-2005

[T17] (in collaboration with Domenico Saccà) G. Magurno, “*Implementation of Approximate Querying Functionalities of Compressed OLAP Views in Hand-OLAP*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2004-2005

[T16] (in collaboration with Domenico Saccà) A. Carbone, “*Design, Implementation and Evaluation of a Storage Manager for Spatio-Temporal Data Warehouses*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2004-2005

[T15] (in collaboration with Domenico Saccà) A. Amelio, “*Accuracy Evaluation Metrics for Data Stream Compression Algorithms*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2004-2005

[T14] (in collaboration with Domenico Saccà and Mario Cannataro) R. De Luca, “*An XML Schema-based Object Model for Defining the Application Domain of Adaptive Web Systems*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2003-2004

[T13] (in collaboration with Domenico Saccà) M. Cassano, “*Implementation of a Web System for Access to Tourist Services in Calabria*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2002-2003

[T12] (in collaboration with Domenico Saccà) G. Spina, “*Design and Development in JSP of a Portal for a Doctoral Course: The Access and Activity Management Subsystem*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2002-2003

[T11] (in collaboration with Domenico Saccà) A. Marra, “*Design and Development in JSP of a Portal for a Doctoral Course: The Profile and Collaborative Work Management Subsystem*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2002-2003

[T10] (in collaboration with Maria Francesca Costabile) P. Mangraviti, “*SYKPAT: A Java-based Authoring Tool for Retrieving, Classifying and Publishing Web Resources for the Sybaris Knowledge Portal*”, Bachelor Degree on Computer Science, Faculty of Natural, Physical and Mathematical Sciences, University of Bari, Italy, A.Y. 2001-2002

[T9] (in collaboration with Mario Cannataro) R. De Luca, “*An XML Schema-based Object Model for Defining the Application Domain of Adaptive Web Systems*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2001-2002

[T8] (in collaboration with Mario Cannataro) I. Formoso, “*Models and Tools for Extraction and Personalized Integration of Web Components*”, Bachelor Degree on Computer Science Engineering, Faculty of Engineering, University

of Calabria, Italy, A.Y. 2001-2002

[T7] (in collaboration with Domenico Saccà) U. Matrangolo, “*Data Access, Indexing and Performance Analysis in Hand-OLAP, A Java-Based System for Manipulating Compressed Two-Dimensional Views on Mobile Terminals*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2001-2002

[T6] (in collaboration with Domenico Saccà) S. Scalzi, “*The Web Information System of a PhD Course: Design and Development of the Data Level and Data Access and Management Functions*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2001-2002

[T5] (in collaboration with Domenico Saccà) N. Capolupo, “*X-OLAP: A Java-Based Tool for Approximate Querying of OLAP Data Cubes in Network Environments*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2001-2002

[T4] (in collaboration with Domenico Saccà) L.N. Bruno, “*X-OLAP: The Metadata Navigation Module*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2001-2002

[T3] (in collaboration with Domenico Saccà) G. Talarico, “*Domain Partition Management and Data Representation in Hand-OLAP: A Java-based System for Providing Compressed OLAP Views on Mobile Terminals*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2001-2002

[T2] (in collaboration with Domenico Saccà) A. Roppa, “*The Web Information System of a PhD Course: Design and Development of Content Management Functions*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2001-2002

[T1] (in collaboration with Domenico Saccà) L. De Giacomo, “*Using UML to Analyze and Develop an Application for the Automated Generation of a Control Class*”, Master Degree on Computer Science Engineering, Faculty of Engineering, University of Calabria, Italy, A.Y. 2000-2001

I.3. Teaching Positions as University Professor

[UP109] University of Bologna, Italy
Department of Computer Science and Engineering
PhD Degree
“From Big Data to Big Multidimensional Data: Models, Issues, Challenges”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2023/2024**

[UP108] University of Calabria, Italy
Department of Computer Engineering, Modeling, Electronics, and Systems Engineering
PhD Degree
“From Big Data to Big Multidimensional Data: Models, Issues, Challenges”
ECTS: 1,500 (12 hours)
Professor **A.Y. 2023/2024**

[UP107] University of Calabria, Italy
DISPES Department
Section: Computer Engineering
Master Degree
“Database Systems”
ECTS: 9,000 (72 hours)
Professor **A.Y. 2023/2024**

[UP106] University of Calabria, Italy
DISPES Department
Section: Computer Engineering
Bachelor Degree
“Data and Information Processing Systems”
ECTS: 5,250 (42 hours)
Professor **A.Y. 2023/2024**

[UP105] University of Paris City, France
Department of Computer Science
PhD Degree
“Big Multidimensional Data Foundations: Representation, Querying, Analytics”
ECTS: 2,500 (20 hours)
Professor **A.Y. 2022/2023**

[UP104] University of Calabria, Italy
Department of Computer Engineering, Modeling, Electronics, and Systems Engineering
PhD Degree
“Big Multidimensional Data: Models, Issues, Challenges, Applications”
ECTS: 1,500 (12 hours)
Professor **A.Y. 2022/2023**

[UP103] University of Calabria, Italy
DISPES Department
Section: Computer Engineering
Master Degree
“Database Systems”
ECTS: 9,000 (72 hours)
Professor **A.Y. 2022/2023**

[UP102] University of Calabria, Italy
DISPES Department
Section: Computer Engineering
Bachelor Degree
“Data and Information Processing Systems”
ECTS: 5,250 (42 hours)
Professor **A.Y. 2022/2023**

[UP101] University of Salento, Italy
Department of Engineering for Innovation
PhD Degree
“Big Multidimensional Data: Models, Issues, Challenges, Applications”
ECTS: 1,500 (12 hours)
Professor **A.Y. 2021/2022**

[UP100] University of Calabria, Italy

Department of Computer Engineering, Modeling, Electronics, and Systems Engineering
PhD Degree
“Big Multidimensional Data: Models, Issues, Challenges, Applications”
ECTS: 1,500 (12 hours)
Professor **A.Y. 2021/2022**

[UP99] University of Calabria, Italy
DISPES Department
Section: Computer Engineering
Master Degree
“Database Systems”
ECTS: 9,000 (72 hours)
Professor **A.Y. 2021/2022**

[UP98] University of Calabria, Italy
DISPES Department
Section: Computer Engineering
Bachelor Degree
“Data and Information Processing Systems”
ECTS: 5,250 (42 hours)
Professor **A.Y. 2021/2022**

[UP97] University of Salento, Italy
Department of Engineering for Innovation
PhD Degree
“Big Multidimensional Data: Management and Analytics”
ECTS: 2,500 (20 hours)
Professor **A.Y. 2020/2021**

[UP96] University of Bologna, Italy
Department of Computer Science and Engineering
PhD Degree
“From Big Data to Big Multidimensional Data: Models, Issues, Challenges”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2020/2021**

[UP95] University of Calabria, Italy
DISPES Department
Section: Computer Engineering
Master Degree
“Data Science & Analytics”
ECTS: 5,250 (42 hours)
Professor **A.Y. 2020/2021**

[UP94] University of Calabria, Italy
DISPES Department
Section: Computer Engineering
Master Degree
“Database Systems”
ECTS: 9,000 (72 hours)
Professor **A.Y. 2020/2021**

[UP93] University of Salento, Italy
Department of Engineering for Innovation
PhD Degree

“Big Multidimensional Data: Paradigms and Techniques for Advanced Big Data Analytics”

ECTS: 2,500 (20 hours)

Professor

A.Y. 2019/2020

[UP92] University of Trieste, Italy

Department of Engineering

PhD Degree

“Big Data Foundations”

ECTS: 2,500 (20 hours)

Professor

A.Y. 2019/2020

[UP91] University of Calabria, Italy

DISPES Department

Section: Computer Engineering

Master Degree

“Data Science & Big Data Analytics”

ECTS: 3,500 (28 hours)

Professor

A.Y. 2019/2020

[UP90] University of Calabria, Italy

DISPES Department

Section: Computer Engineering

Master Degree

“Database Systems”

ECTS: 7,875 (63 hours)

Professor

A.Y. 2019/2020

[UP89] University of Calabria, Italy

DISPES Department

Section: Computer Engineering

Bachelor Degree

“Computer Science Fundamentals”

ECTS: 2,625 (21 hours)

Professor

A.Y. 2019/2020

[UP88] University of Salento, Italy

Department of Engineering for Innovation

PhD Degree

“Big Multidimensional Data: Principles, Models, Techniques, Algorithms”

ECTS: 2,500 (20 hours)

Professor

A.Y. 2018/2019

[UP87] University of Trieste, Italy

Department of Engineering

Bachelor Degree

“Database Systems”

ECTS: 8,750 (70 hours)

Professor

A.Y. 2018/2019

[UP86] University of Trieste, Italy

Department of Engineering

Master Degree

“Advanced Big Data Programming”

ECTS: 8,750 (70 hours)

Professor

A.Y. 2018/2019

- [UP85] International School for Advanced Studies (SISSA), Italy
High-Performance Computing Group
PhD Degree
“Big Data Management and Analytics”
ECTS: 4,500 (36 hours)
Professor **A.Y. 2017/2018**
- [UP84] University of Trieste, Italy
Department of Engineering
Bachelor Degree
“Database Systems”
ECTS: 8,750 (70 hours)
Professor **A.Y. 2017/2018**
- [UP83] University of Trieste, Italy
Department of Engineering
Master Degree
“Advanced Big Data Programming”
ECTS: 8,750 (70 hours)
Professor **A.Y. 2017/2018**
- [UP82] University of Verona, Italy
Department of Computer Science
PhD Degree
“Big Data Analytics: Models, Paradigms, Algorithms”
ECTS: 2,500 (20 hours)
Professor **A.Y. 2017/2018**
- [UP81] University of Salerno, Italy
Department of Management Information Systems
PhD Degree
“Big Data: Principles, Models, Applications”
ECTS: 2,500 (20 hours)
Professor **A.Y. 2016/2017**
- [UP80] University of Trieste, Italy
AREA Science Park
Bachelor Degree
“Database Systems”
ECTS: 7,500 (60 hours)
Professor **A.Y. 2016/2017**
- [UP79] University of Trieste, Italy
Department of Engineering
Post-Graduate Master Degree
“Big Data Analytics: Principles, Models, Techniques”
ECTS: 1,250 (10 hours)
Professor **A.Y. 2016/2017**
- [UP78] University of Trieste, Italy
Department of Engineering
Post-Graduate Master Degree
“Big Data Analytics Techniques for Bioinformatics”
ECTS: 1,500 (12 hours)
Professor **A.Y. 2016/2017**

[UP77] University of Trieste, Italy
Department of Engineering
Bachelor Degree
“Database Systems”
ECTS: 8,750 (70 hours)
Professor **A.Y. 2016/2017**

[UP76] University of Trieste, Italy
Department of Engineering
Master Degree
“Operating Systems II”
ECTS: 6,250 (50 hours)
Professor **A.Y. 2016/2017**

[UP75] University of Trieste, Italy
Department of Engineering
Post-Graduate Master Degree
“Privacy and Security of Big Data: Principles, Models, Techniques”
ECTS: 1,500 (12 hours)
Professor **A.Y. 2016/2017**

[UP74] University of Verona, Italy
Department of Computer Science
PhD Degree
“From Big Data to Big Multidimensional Data”
ECTS: 2,500 (20 hours)
Professor **A.Y. 2016/2017**

[UP73] University of Bergamo, Italy
Department of Management, Information and Production Engineering
PhD Degree
“Big Multidimensional Data Management: Models, Techniques, Algorithms”
ECTS: 2,500 (20 hours)
Professor **A.Y. 2015/2016**

[UP72] University of Calabria, Italy
Department of Informatics, Modeling, Electronics and Systems Engineering
PhD Degree
“Uncertain Data Management: Models, Techniques, Algorithms”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2015/2016**

[UP71] University of Salerno, Italy
Department of Computer Engineering
PhD Degree
“From Big Data to Big Multidimensional Data”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2015/2016**

[UP70] University of Trieste, Italy
Department of Engineering
Bachelor Degree
“Computer Science Fundamentals”
ECTS: 8,750 (70 hours)
Professor **A.Y. 2015/2016**

[UP69] University of Trieste, Italy
 Department of Engineering
 Master Degree
 “Operating Systems II”
 ECTS: 6,250 (50 hours)
Professor **A.Y. 2015/2016**

[UP68] University of Lugano, Switzerland
 Faculty of Computer Science
 Master Degree
 “Big Data on the Web”
 ECTS: 2,000 (16 hours)
Professor **A.Y. 2015/2016**

[UP67] University of Calabria, Italy
 Department of Informatics, Modeling, Electronics and Systems Engineering
 PhD Degree
 “Advanced Multidimensional Data Management and Evolution”
 ECTS: 2,000 (16 hours)
Professor **A.Y. 2014/2015**

[UP66] University of Trieste, Italy
 Department of Engineering
 Master Degree
 “Operating Systems II”
 ECTS: 6,250 (50 hours)
Professor **A.Y. 2014/2015**

[UP65] University of Salerno, Italy
 Department of Computer Science
 PhD Degree
 “Advanced Multidimensional Data Management and Evolution”
 ECTS: 2,000 (16 hours)
Professor **A.Y. 2014/2015**

[UP64] University of Catanzaro “Magna Graecia”, Italy
 Department of Health Sciences
 Master Degree
 “Statistics and Computer Science”
 ECTS: 5,500 (44 hours)
Professor **A.Y. 2014/2015**

[UP63] University of Catanzaro “Magna Graecia”, Italy
 Department of Health Sciences
 Master Degree
 “Computer Science”
 ECTS: 5,500 (44 hours)
Professor **A.Y. 2014/2015**

[UP62] University of Catanzaro “Magna Graecia”, Italy
 Department of Health Sciences
 Master Degree
 “Database and Information Systems”
 ECTS: 4,000 (32 hours)
Professor **A.Y. 2014/2015**

[UP61] University of Lugano, Switzerland
Faculty of Computer Science
Master Degree
“Data Warehousing and OLAP”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2013/2014**

[UP60] University of Tours, France
Faculty of Computer Science
Erasmus Mundus Master Programme in Information Technologies for Business Intelligence (IT4BI)
“OLAP Query Recommendation and Optimization”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2013/2014**

[UP59] University of Calabria, Italy
Department of Informatics, Modeling, Electronics and Systems Engineering
Post-Graduate Master Degree
“Network Security and Cryptography”
ECTS: 2,500 (20 hours)
Professor **A.Y. 2013/2014**

[UP58] University of Calabria, Italy
Department of Informatics, Modeling, Electronics and Systems Engineering
Post-Graduate Master Degree
“Web Models and Languages”
ECTS: 3,750 (30 hours)
Professor **A.Y. 2013/2014**

[UP57] University of Calabria, Italy
Department of Informatics, Modeling, Electronics and Systems Engineering
PhD Degree
“Multidimensional Data: Models, Techniques, Algorithms”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2013/2014**

[UP56] University of Naples “Federico II”, Italy
Department of Biomedical, Electronic and Telecommunications Engineering
Post-Graduate Master Degree
“Computer Network Fundamentals”
ECTS: 5,000 (40 hours)
Professor **A.Y. 2013/2014**

[UP55] University of Naples “Federico II”, Italy
Department of Biomedical, Electronic and Telecommunications Engineering
Post-Graduate Master Degree
“Internet-Working”
ECTS: 5,000 (40 hours)
Professor **A.Y. 2013/2014**

[UP54] University of Messina, Italy
Department of Electronics and Computer Science Engineering
Bachelor Degree
“Algorithms and Data Structures”
ECTS: 6,000 (48 hours)

Professor	A.Y. 2013/2014
<p>[UP53] University of Catanzaro “Magna Graecia”, Italy Department of Experimental and Clinical Medicine Bachelor Degree “Computer Science” ECTS: 7,500 (60 hours)</p>	
Professor	A.Y. 2013/2014
<p>[UP52] University of Catanzaro “Magna Graecia”, Italy Department of Health Sciences Bachelor Degree “Database and Information Systems” ECTS: 3,000 (24 hours)</p>	
Professor	A.Y. 2013/2014
<p>[UP51] University of Calabria, Italy Faculty of Computer Science Engineering Master Degree “Data Streams” ECTS: 3,000 (24 hours)</p>	
Professor	A.Y. 2012/2013
<p>[UP50] University of Calabria, Italy Faculty of Computer Science Engineering Post-Graduate Master Degree “Multidimensional Data Analysis” ECTS: 5,000 (40 hours)</p>	
Professor	A.Y. 2012/2013
<p>[UP49] University of Calabria, Italy Faculty of Computer Science Engineering Post-Graduate Master Degree “Data Warehousing and OLAP” ECTS: 9,375 (75 hours)</p>	
Professor	A.Y. 2012/2013
<p>[UP48] University of Catanzaro “Magna Graecia”, Italy Faculty of Medicine Bachelor Degree “Database and Information Systems” ECTS: 9,000 (72 hours)</p>	
Professor	A.Y. 2012/2013
<p>[UP47] University of Catanzaro “Magna Graecia”, Italy Faculty of Biotechnology Bachelor Degree “Database and Information Systems” ECTS: 8,000 (64 hours)</p>	
Professor	A.Y. 2012/2013
<p>[UP46] University of Calabria, Italy Faculty of Computer Science Engineering Master Degree “Data Streams” ECTS: 3,000 (24 hours)</p>	

Professor	A.Y. 2011/2012
<p>[UP45] University of Catanzaro “Magna Graecia”, Italy Faculty of Economy and Social Sciences Bachelor Degree “Database and Information Systems” ECTS: 2,000 (16 hours)</p>	
Professor	A.Y. 2011/2012
<p>[UP44] University of Catanzaro “Magna Graecia” (Lamezia Terme Branch), Italy Faculty of Medicine Bachelor Degree “Database and Information Systems” ECTS: 2,500 (20 hours)</p>	
Professor	A.Y. 2011/2012
<p>[UP43] University of Catanzaro “Magna Graecia” (Lamezia Terme Branch), Italy Faculty of Medicine Bachelor Degree “Computer Science” ECTS: 3,750 (30 hours)</p>	
Professor	A.Y. 2011/2012
<p>[UP42] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Compiling Techniques” ECTS: 2,000 (16 hours)</p>	
Professor	A.Y. 2010/2011
<p>[UP41] University of Calabria, Italy Faculty of Computer Science Engineering Master Degree “Intelligent Techniques for Managing, Querying and Updating Multidimensional Data” ECTS: 2,000 (16 hours)</p>	
Professor	A.Y. 2010/2011
<p>[UP40] University of Messina, Italy Faculty of Computer Science Master Degree “Data Warehousing” ECTS: 8,000 (64 hours)</p>	
Professor	A.Y. 2010/2011
<p>[UP39] University of Messina, Italy Faculty of Computer Science Bachelor Degree “Computer Networks” ECTS: 8,000 (64 hours)</p>	
Professor	A.Y. 2010/2011
<p>[UP38] University of Catanzaro “Magna Graecia”, Italy Faculty of Computer Science and Biomedical Engineering</p>	

- Bachelor Degree
 “Operating Systems”
 ECTS: 6,875 (55 hours)
Professor **A.Y. 2010/2011**
- [UP37]** University of Catanzaro “Magna Graecia” (Lamezia Terme Branch), Italy
 Faculty of Medicine
 Bachelor Degree
 “Database and Information Systems”
 ECTS: 2,500 (20 hours)
Professor **A.Y. 2010/2011**
- [UP36]** University of Calabria, Italy
 Faculty of Computer Science Engineering
 Post-Graduate Master Degree
 “Data Warehousing and OLAP”
 ECTS: 7,500 (60 hours)
Professor **A.Y. 2009/2010**
- [UP35]** University of Calabria, Italy
 Faculty of Computer Science Engineering
 Bachelor Degree
 “Compiling Techniques”
 ECTS: 2,000 (16 hours)
Professor **A.Y. 2009/2010**
- [UP34]** University of Calabria, Italy
 Faculty of Computer Science Engineering
 Master Degree
 “Intelligent Techniques for Managing, Querying and Updating Multidimensional Data”
 ECTS: 2,000 (16 hours)
Professor **A.Y. 2009/2010**
- [UP33]** University of Messina, Italy
 Faculty of Computer Science
 Master Degree
 “Data Warehousing”
 ECTS: 6,000 (48 hours)
Professor **A.Y. 2009/2010**
- [UP32]** University of Messina, Italy
 Faculty of Computer Science
 Bachelor Degree
 “Distributed Systems”
 ECTS: 6,000 (48 hours)
Professor **A.Y. 2009/2010**
- [UP31]** University of Catanzaro “Magna Graecia”, Italy
 Faculty of Computer Science and Biomedical Engineering
 Bachelor Degree
 “Operating Systems”
 ECTS: 6,875 (55 hours)
Professor **A.Y. 2009/2010**

[UP30] University of Calabria, Italy
Faculty of Computer Science Engineering
Bachelor Degree
“Compiling Techniques”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2008/2009**

[UP29] University of Calabria, Italy
Faculty of Computer Science Engineering
Bachelor Degree
“Introduction to Computer Science – Course DS4”
ECTS: 3,750 (30 hours)
Professor **A.Y. 2008/2009**

[UP28] University of Calabria, Italy
Faculty of Computer Science Engineering
Bachelor Degree
“Introduction to Computer Science – Course P6”
ECTS: 3,750 (30 hours)
Professor **A.Y. 2008/2009**

[UP27] University of Calabria, Italy
Faculty of Management Engineering
Master Degree
“Information Systems Design – Course A”
ECTS: 3,250 (26 hours)
Professor **A.Y. 2008/2009**

[UP26] University of Calabria, Italy
Faculty of Management Engineering
Master Degree
“Information Systems Design – Course B”
ECTS: 3,250 (26 hours)
Professor **A.Y. 2008/2009**

[UP25] University of Calabria, Italy
Faculty of Computer Science Engineering
Master Degree
“Models, Techniques and Algorithms for Representing, Querying and Managing Multidimensional Data”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2008/2009**

[UP24] University of Messina, Italy
Faculty of Computer Science
Master Degree
“Data Warehousing”
ECTS: 6,000 (48 hours)
Professor **A.Y. 2008/2009**

[UP23] University of Catanzaro “Magna Graecia”, Italy
Faculty of Computer Science and Biomedical Engineering
Bachelor Degree
“Operating Systems”
ECTS: 6,875 (55 hours)
Professor **A.Y. 2008/2009**

[UP22] University of Calabria, Italy
Faculty of Computer Science Engineering
Bachelor Degree
“Compiling Techniques”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2007/2008**

[UP21] University of Calabria, Italy
Faculty of Management Engineering
Master Degree
“Information Systems Design”
ECTS: 5,750 (46 hours)
Professor **A.Y. 2007/2008**

[UP20] University of Calabria, Italy
Faculty of Computer Science Engineering
Master Degree
“Models, Techniques and Algorithms for Representing, Querying and Managing Multidimensional Data”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2007/2008**

[UP19] University of Calabria, Italy
Faculty of Computer Science Engineering
Post-Graduate Master Degree
“OLAP: Principles, Models, Tools”
ECTS: 6,500 (52 hours)
Professor **A.Y. 2007/2008**

[UP18] University of Naples “Parthenope”, Italy
Faculty of Computer Science
Master Degree
“Database Systems”
ECTS: 10,000 (80 hours)
Professor **A.Y. 2007/2008**

[UP17] University of Catanzaro “Magna Graecia”, Italy
Faculty of Computer Science and Biomedical Engineering
Bachelor Degree
“Operating Systems”
ECTS: 6,875 (55 hours)
Professor **A.Y. 2007/2008**

[UP16] University of Calabria, Italy
Faculty of Computer Science Engineering
Bachelor Degree
“Compiling Techniques”
ECTS: 2,000 (16 hours)
Professor **A.Y. 2006/2007**

[UP15] University of Calabria, Italy
Faculty of Management Engineering
Master Degree
“Information Systems Design”
ECTS: 5,750 (46 hours)

Professor	A.Y. 2006/2007
<p>[UP14] University of Calabria, Italy Faculty of Computer Science Engineering Master Degree “Models and Algorithms for Efficiently Representing and Querying OLAP Data Cubes” ECTS: 2,000 (16 hours)</p>	
Professor	A.Y. 2006/2007
<p>[UP13] University of Calabria, Italy Faculty of Computer Science Engineering Master Degree “Data Warehousing and OLAP” ECTS: 2,000 (16 hours)</p>	
Professor	A.Y. 2006/2007
<p>[UP12] University of Naples “Parthenope”, Italy Faculty of Computer Science Master Degree “Database Systems” ECTS: 10,000 (80 hours)</p>	
Professor	A.Y. 2006/2007
<p>[UP11] University of Catanzaro “Magna Graecia”, Italy Faculty of Computer Science and Biomedical Engineering Bachelor Degree “Operating Systems” ECTS: 6,875 (55 hours)</p>	
Professor	A.Y. 2006/2007
<p>[UP10] University of Calabria, Italy Faculty of Computer Science Engineering Master Degree “Models and Algorithms for Efficiently Representing and Querying OLAP Data Cubes” ECTS: 2,000 (16 hours)</p>	
Professor	A.Y. 2005/2006
<p>[UP9] University of Calabria, Italy Faculty of Computer Science Engineering Post-Graduate Master Degree “OLAP Applications” ECTS: 4,500 (36 hours)</p>	
Professor	A.Y. 2005/2006
<p>[UP8] University of Calabria, Italy Faculty of Computer Science Engineering Post-Graduate Master Degree “On Line Analytical Processing: Models and Tools” ECTS: 3,000 (24 hours)</p>	
Professor	A.Y. 2005/2006
<p>[UP7] University of Naples “Parthenope”, Italy Faculty of Computer Science Master Degree</p>	

“Database Systems”
ECTS: 10,000 (80 hours)
Professor **A.Y. 2005/2006**

[UP6] University of Catanzaro “Magna Graecia”, Italy
Faculty of Computer Science and Biomedical Engineering
Bachelor Degree
“Operating Systems”
ECTS: 6,875 (55 hours)
Professor **A.Y. 2005/2006**

[UP5] University of Naples “Parthenope”, Italy
Faculty of Computer Science
Master Degree
“Methods and Tools for Designing and Managing Database Systems”
ECTS: 5,000 (40 hours)
Professor **A.Y. 2004/2005**

[UP4] University of Catanzaro “Magna Graecia”, Italy
Faculty of Computer Science and Biomedical Engineering
Bachelor Degree
“Operating Systems”
ECTS: 6,875 (55 hours)
Professor **A.Y. 2004/2005**

[UP3] University Catanzaro “Magna Graecia” (Cosenza Branch), Italy
Faculty of Medicine
Bachelor Degree
“Database and Information Systems”
ECTS: 6,500 (52 hours)
Professor **A.Y. 2004/2005**

[UP2] University of Naples “Parthenope”, Italy
Faculty of Computer Science
Master Degree
“Methods and Tools for Designing and Managing Database Systems”
ECTS: 5,000 (40 hours)
Professor **A.Y. 2003/2004**

[UP1] University of Calabria, Italy
Faculty of Computer Science Engineering
Post-Graduate Master Degree
“Data Warehousing and OLAP Technologies”
ECTS: 2,500 (20 hours)
Professor **A.Y. 2003/2004**

I.4. Teaching Positions as University Assistant

[UA22] University of Calabria, Italy
Faculty of Environmental Engineering
Master Degree
“Computer Science for Environmental Engineering”
ECTS: 2,000 (16 hours)
Teaching Assistant **A.Y. 2005/2006**

[UA21] University of Calabria, Italy
Faculty of Computer Science Engineering

Bachelor Degree “Computer Science Fundamentals” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2005/2006
[UA20] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Information Systems” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2005/2006
[UA19] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Introduction to Computer Science” ECTS: 1,500 (12 hours) Teaching Assistant	A.Y. 2005/2006
[UA18] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Languages and Compilers” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2005/2006
[UA17] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Computer Science Fundamentals” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2004/2005
[UA16] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Information Systems” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2004/2005
[UA15] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Introduction to Computer Science” ECTS: 1,500 (12 hours) Teaching Assistant	A.Y. 2004/2005
[UA14] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Languages and Compilers” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2004/2005
[UA13] University of Calabria, Italy Faculty of Computer Science Engineering	

Bachelor Degree “Computer Networks” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2003/2004
[UA12] University of Calabria, Italy Faculty of Environmental Engineering Master Degree “Computer Science for Environmental Engineering” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2003/2004
[UA11] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Computer Science Fundamentals” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2003/2004
[UA10] University of Calabria, Italy Faculty of Management Engineering Master Degree “Design and Development of Information Systems” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2003/2004
[UA9] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Introduction to Computer Science” ECTS: 1,500 (12 hours) Teaching Assistant	A.Y. 2003/2004
[UA8] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Information Systems” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2003/2004
[UA7] University of Calabria, Italy Faculty of Computer Science Engineering Bachelor Degree “Languages and Compilers” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2003/2004
[UA6] University of Calabria, Italy Faculty of Environmental Engineering Master Degree “Computer Science for Environmental Engineering” ECTS: 2,000 (16 hours) Teaching Assistant	A.Y. 2002/2003
[UA5] University of Calabria, Italy Faculty of Computer Science Engineering	

Bachelor Degree
 “Introduction to Computer Science – Course A”
 ECTS: 1,500 (12 hours)
Teaching Assistant **A.Y. 2002/2003**

[UA4] University of Calabria, Italy
 Faculty of Computer Science Engineering
 Bachelor Degree
 “Introduction to Computer Science – Course G”
 ECTS: 1,500 (12 hours)
Teaching Assistant **A.Y. 2002/2003**

[UA3] University of Calabria, Italy
 Faculty of Computer Science Engineering
 Bachelor Degree
 “Languages and Compilers”
 ECTS: 2,000 (16 hours)
Teaching Assistant **A.Y. 2002/2003**

[UA2] University of Naples “Parthenope”, Italy
 Faculty of Computer Science
 Master Degree
 “Database Systems”
 ECTS: 2,000 (16 hours)
Teaching Assistant **A.Y. 2002/2003**

[UA1] University of Calabria, Italy
 Faculty of Computer Science Engineering
 Bachelor Degree
 “Languages and Compilers”
 ECTS: 2,000 (16 hours)
Teaching Assistant **A.Y. 2001/2002**

Section J: Technological Transfer

J.1. Technological Transfer TBA

Section K: National and International Research Quality Indicators, Awards, Honors and Recognitions

K.1. International Research Quality Indicators **[IQ38]** 1st World-Wide Scientist 2021² for Research Topic: “OnLine Analytical processing (OLAP)” - Parameter: “Publications”
 Microsoft Academic
 Redmond, WA, USA
International Research Quality Indicator **since 12/2021**

[IQ37] 1st World-Wide Scientist 2021 for Research Topic: “OnLine Analytical processing (OLAP)” - Parameter: “H-Index”
 Microsoft Academic

² Microsoft Academic discontinued on December 31, 2021.

- Redmond, WA, USA
International Research Quality Indicator **since 12/2021**
- [IQ36]** 3rd World-Wide Scientist 2021 for Research Topic: “OnLine Analytical processing (OLAP)” - Parameter: “Saliency”
 Microsoft Academic
 Redmond, WA, USA
International Research Quality Indicator **since 12/2021**
- [IQ35]** 1st World-Wide Scientist 2020 for Research Topic: “OnLine Analytical processing (OLAP)” - Parameter: “Publications”
 Microsoft Academic
 Redmond, WA, USA
International Research Quality Indicator **since 12/2020**
- [IQ34]** 1st World-Wide Scientist 2020 for Research Topic: “OnLine Analytical processing (OLAP)” - Parameter: “H-Index”
 Microsoft Academic
 Redmond, WA, USA
International Research Quality Indicator **since 12/2020**
- [IQ33]** 3rd World-Wide Scientist 2020 for Research Topic: “OnLine Analytical processing (OLAP)” - Parameter: “Saliency”
 Microsoft Academic
 Redmond, WA, USA
International Research Quality Indicator **since 12/2020**
- [IQ32]** Top 2% World-Wide Scientist 1996-2022 in 22 Scientific Fields and 176 Scientific Subfields
 Statistics and Meta-Research Innovation Center at Stanford (METRICS) -
 Stanford University
 Stanford, CA, USA
International Research Quality Indicator **since 10/2023**
- [IQ31]** Top 2% World-Wide Scientist 2022 in 22 Scientific Fields and 176 Scientific Subfields
 Statistics and Meta-Research Innovation Center at Stanford (METRICS) -
 Stanford University
 Stanford, CA, USA
International Research Quality Indicator **since 10/2023**
- [IQ30]** Top 2% World-Wide Scientist 1996-2021 in 22 Scientific Fields and 176 Scientific Subfields
 Statistics and Meta-Research Innovation Center at Stanford (METRICS) -
 Stanford University
 Stanford, CA, USA
International Research Quality Indicator **since 11/2022**
- [IQ29]** Top 2% World-Wide Scientist 2021 in 22 Scientific Fields and 176 Scientific Subfields
 Statistics and Meta-Research Innovation Center at Stanford (METRICS) -
 Stanford University
 Stanford, CA, USA
International Research Quality Indicator **since 11/2022**
- [IQ28]** Top 2% World-Wide Scientist 1996-2020 in 22 Scientific Fields and

176 Scientific Subfields
Statistics and Meta-Research Innovation Center at Stanford (METRICS) -
Stanford University
Stanford, CA, USA
International Research Quality Indicator **since 10/2021**

[IQ27] Top 2% World-Wide Scientist 2020 in 22 Scientific Fields and 176
Scientific Subfields
Statistics and Meta-Research Innovation Center at Stanford (METRICS) -
Stanford University
Stanford, CA, USA
International Research Quality Indicator **since 10/2021**

[IQ26] Top 2% World-Wide Scientist 1996-2019 in 22 Scientific Fields and
176 Scientific Subfields
Statistics and Meta-Research Innovation Center at Stanford (METRICS) -
Stanford University
Stanford, CA, USA
International Research Quality Indicator **since 10/2020**

[IQ25] Top 2% World-Wide Scientist 2019 in 22 Scientific Fields and 176
Scientific Subfields
Statistics and Meta-Research Innovation Center at Stanford (METRICS) -
Stanford University
Stanford, CA, USA
International Research Quality Indicator **since 10/2020**

[IQ24] Top 2% World-Wide Scientist 1996-2018³ in 22 Scientific Fields and
176 Scientific Subfields
Statistics and Meta-Research Innovation Center at Stanford (METRICS) -
Stanford University
Stanford, CA, USA
International Research Quality Indicator **since 08/2019**

[IQ23] Top 2% World-Wide Scientist 1996-2017 in 22 Scientific Fields and
176 Scientific Subfields
Statistics and Meta-Research Innovation Center at Stanford (METRICS) -
Stanford University
Stanford, CA, USA
International Research Quality Indicator **since 08/2019**

[IQ22] Top 2% World-Wide Scientist 2017 in 22 Scientific Fields and 176
Scientific Subfields
Statistics and Meta-Research Innovation Center at Stanford (METRICS) -
Stanford University
Stanford, CA, USA
International Research Quality Indicator **since 08/2019**

[IQ21] Top-100 Italian Scientist in Computer Science and Electronics 2023
Guide2Research
Clifton, NJ, USA
International Research Quality Indicator **since 03/2023**

[IQ20] Top Scientist in Computer Science and Electronics 2023

³ The study has not been performed for the single year 2018.

Guide2Research
Clifton, NJ, USA
International Research Quality Indicator **since 03/2023**

[IQ19] Top-100 Italian Scientist in Computer Science and Electronics 2022
Guide2Research
Clifton, NJ, USA
International Research Quality Indicator **since 03/2022**

[IQ18] Top Scientist in Computer Science and Electronics 2022
Guide2Research
Clifton, NJ, USA
International Research Quality Indicator **since 03/2022**

[IQ17] Top Scientist in Computer Science and Electronics 2021
Guide2Research
Clifton, NJ, USA
International Research Quality Indicator **since 05/2021**

[IQ16] Top Scientist in Computer Science and Electronics 2020
Guide2Research
Clifton, NJ, USA
International Research Quality Indicator **since 05/2020**

[IQ15] Top Scientist in Computer Science and Electronics 2019
Guide2Research
Clifton, NJ, USA
International Research Quality Indicator **since 10/2019**

[IQ14] Top-100 Researchers in Computer Science 2017-2021 for Research Topic: "Computer Science" - Scholarly Output
SciVal – Elsevier
Amsterdam, Netherlands
International Research Quality Indicator **since 01/2022**

[IQ13] Top-100 Researchers in Computer Science 2017-2021 for Research Topic: "Theoretical Computer Science" - Scholarly Output
SciVal – Elsevier
Amsterdam, Netherlands
International Research Quality Indicator **since 01/2022**

[IQ12] Top-100 Researchers in Computer Science 2012-2016 for Research Topic: "Computer Science" - Scholarly Output
SciVal – Elsevier
Amsterdam, Netherlands
International Research Quality Indicator **since 01/2017**

[IQ11] Top-100 Researchers in Computer Science 2012-2016 for Research Topic: "Theoretical Computer Science" - Scholarly Output
SciVal – Elsevier
Amsterdam, Netherlands
International Research Quality Indicator **since 01/2017**

[IQ10] Top-100 Italian Scientist in Computer Sciences 2023
Virtual Italian Academy
Manchester, UK

International Research Quality Indicator	since 04/2023
[IQ9] Top Italian Scientist in Computer Sciences 2023 Virtual Italian Academy Manchester, UK	
International Research Quality Indicator	since 04/2023
[IQ8] Top-100 Italian Scientist in Computer Sciences 2022 Virtual Italian Academy Manchester, UK	
International Research Quality Indicator	since 04/2022
[IQ7] Top Italian Scientist in Computer Sciences 2022 Virtual Italian Academy Manchester, UK	
International Research Quality Indicator	since 04/2022
[IQ6] Top Italian Scientist in Computer Sciences 2021 Virtual Italian Academy Manchester, UK	
International Research Quality Indicator	since 04/2021
[IQ5] Top Italian Scientist in Computer Sciences 2020 Virtual Italian Academy Manchester, UK	
International Research Quality Indicator	since 04/2020
[IQ4] Top Italian Scientist in Computer Sciences 2019 Virtual Italian Academy Manchester, UK	
International Research Quality Indicator	since 04/2019
[IQ3] Top Italian Scientist in Computer Sciences 2018 Virtual Italian Academy Manchester, UK	
International Research Quality Indicator	since 04/2018
[IQ2] Top Italian Scientist in Computer Sciences 2017 Virtual Italian Academy Manchester, UK	
International Research Quality Indicator	since 04/2017
[IQ1] Top Italian Scientist in Computer Sciences 2016 Virtual Italian Academy Manchester, UK	
International Research Quality Indicator	since 09/2016

K.2. International Research Bibliometric Indicators

[BI5] Google Scholar Number of Citations: 8,439 Google Scholar H-Index: 58
[BI4] Scopus Number of Citations: 5,743 Scopus H-Index: 46
[BI3] ACM DL Total Number of Downloads: 33,342 ACM DL Average Number of Downloads per Article: 355

[BI2] Number of Google Scholar Highly-Cited Papers (Number of Citations ≥ 100): **8**

[BI1] Most Prolific DBLP Authors Rank: **254/3,364,726**

K.3. National Research Quality Indicators

[NQ3] National Agency for the Evaluation of the University and Research Systems (ANVUR) – eValuation of the Quality of Research (VQR) Assessment 2015-2019

Evaluation of the First Resarch Product: **Excellent and Extremely Relevant**

Evaluation of the Second Resarch Product: **Excellent**

Evaluation of the Third Resarch Product: **Excellent**

National Quality Indicator

2015-2019

[NQ2] National Agency for the Evaluation of the University and Research Systems (ANVUR) – eValuation of the Quality of Research (VQR) Assessment 2011-2014

Evaluation of the First Resarch Product: **Excellent**

Evaluation of the Second Resarch Product: **Excellent**

National Quality Indicator

2011-2014

[NQ1] National Agency for the Evaluation of the University and Research Systems (ANVUR) – eValuation of the Quality of Research (VQR) Assessment 2004-2010

Evaluation of the First Resarch Product: **Good**

Evaluation of the Second Resarch Product: **Good**

National Quality Indicator

2004-2010

K.4. Research Awards, Honors and Recognitions

[RA38] *ISMIS 2022 Best Paper Selected for Journal*

A. Cuzzocrea, S. Soufargi, A. Baldo, E. Fadda, “Scaling Posterior Distributions over Differently-Curated Datasets: A Bayesian-Neural-Networks Methodology”, *26th International Symposium on Methodologies for Intelligent Systems (ISMIS 2022)*, Cosenza, Italy, October 3-5, 2022

Best Paper Selection Award

10/2022

[RA37] *HAIS 2022 Best Paper Selected for Journal*

P. Figuera, A. Cuzzocrea, P. García Bringas, “Generalized Fisher Kernel with Bregman Divergence”, *17th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2022)*, Salamanca, Spain, September 5-7, 2022

Best Paper Selection Award

09/2022

[RA36] *ICCSA 2022 Best Paper Selected for Journal*

A. Cuzzocrea, M. Abbasi Sisara, C.K. Leung, Y. Wen, F. Jiang, “Effectively and Efficiently Supporting Visual Big Data Analytics over Big Sequential Data: An Innovative Data Science Approach”, *22nd International Conference Computational Science and Its Applications (ICCSA 2022)*, Malaga, Spain, July 4-7, 2022

Best Paper Selection Award

07/2022

[RA35] *ICSBT 2022 Best Paper Selected for Journal*

A. Cuzzocrea, “Compressing Big OLAP Data Cubes in Big Data Analytics Systems: New Paradigms and Future Research Perspectives”, *19th International Conference on Smart Business Technologies (ICSBT 2022)*, Lisbon, Portugal, July 14-16, 2022

Best Paper Selection Award**07/2022****[RA34] DMSVIVA 2022 Best Paper Selected for Journal**

A. Cuzzocrea, G. Pilato, A. Cartolano, “eXplainable AI for Smart Agriculture”, *28th International Conference on Visualization and Visual Languages* (DMSVIVA 2022), Pittsburgh, PA, USA, June 29-30, 2022

Best Paper Selection Award**06/2022****[RA33] EUSPN 2021 Best Paper Selected for Journal**

A.S. Chauhan, A. Cuzzocrea, L. Fan, J.D. Harvey, C.K. Leung, A.G.M. Pazdor, T. Wang, “Predictive Big Data Analytics for Service Requests: A Framework”, *12th International Conference on Emerging Ubiquitous Systems and Pervasive Networks* (EUSPN 2021), Leuven, Belgium, November 1-4, 2021

Best Paper Selection Award**11/2021****[RA32] DEXA 2021 Best Paper Selected for Journal**

A. Cuzzocrea, K. Lenac, E. Mumolo, “Enhancing Scan Matching Algorithms via Genetic Programming for Supporting Big Moving Objects Tracking and Analysis in Emerging Environments”, *32nd International Conference on Database and Expert Systems Applications* (DEXA 2021), Linz, Austria, September 27-30, 2021

Best Paper Selection Award**09/2021****[RA31] HAIS 2021 Best Paper Selected for Journal**

J. Gaviria de la Puerta, I. Pastor-López, J. Salcedo-Hernández, A. Tellaeche, B. Sanz, H. Sanjurjo-González, A. Cuzzocrea, P. García Bringas, “Content-Based Authorship Identification for Short Texts in Social Media Networks”, *16th International Conference on Hybrid Artificial Intelligent Systems* (HAIS 2021), Bilbao, Spain, September 22-24, 2021

Best Paper Selection Award**09/2021****[RA30] ICCSA 2021 Best Paper Selected for Journal**

A. Cuzzocrea, F. Mercaldo, F. Martinelli, “A Machine-Learning-Based Framework for Supporting Malware Detection and Analysis”, *21st International Conference Computational Science and Its Applications* (ICCSA 2021), Cagliari, Italy, September 13-16, 2021

Best Paper Selection Award**09/2021****[RA29] ICCBDC 2021 Best Paper Selected for Journal**

A. Cuzzocrea, P. Ciancarini, “SeDaSOMA: A Framework for Supporting Serendipitous, Data-As-A-Service-Oriented, Open Big Data Management and Analytics”, *5th ACM International Conference on Cloud and Big Data Computing* (ICCBDC 2021), Liverpool, United Kingdom, August 13-15, 2021

Best Paper Selection Award**08/2021****[RA28] DMSVIVA 2021 Best Paper Selected for Journal**

A. Cuzzocrea, L. Camilotti, E. Mumolo, “A Novel Framework for Supporting Mobile Object Self-Localization via Emerging Artificial Intelligence Tools”, *27th International Conference on Visualization and Visual Languages* (DMSVIVA 2021), Pittsburgh, PA, USA, June 29-30, 2021

Best Paper Selection Award**06/2021****[RA27] iiWAS 2020 Best Paper Selected for Journal**

T. Alcamo, A. Cuzzocrea, G. Lo Bosco, G. Pilato, D. Schicchi, “Analysis and Comparison of Deep Learning Networks for Supporting Sentiment Mining in

Text Corpora”, *22nd ACM International Conference on Information Integration and Web-based Applications & Services (iiWAS 2020)*, Chiang Mai, Thailand, November 30 - December 2, 2020

Best Paper Selection Award

12/2020

[RA26] *EUSPN 2020 Best Paper Selected for Journal*

A. Cuzzocrea, C.K. Leung, B.H. Wodi, S. Sourav, E. Fadda, “An Effective and Efficient Technique for Supporting Privacy-Preserving Keyword-Based Search over Encrypted Data in Clouds”, *11th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2020)*, Madeira, Portugal, November 2-5, 2020

Best Paper Selection Award

11/2020

[RA25] *MEDES 2020 Best Paper Selected for Journal*

A. Cuzzocrea, E. Fadda, “Data-Intensive Object-Oriented Adaptive Web Systems: Implementing and Experimenting the OO-XAHM Framework”, *12th ACM International Conference on Management of Digital EcoSystems (MEDES 2020)*, Abu Dhabi, United Arab Emirates, November 2-4, 2020

Best Paper Selection Award

11/2020

[RA24] *DMSVIVA 2020 Best Paper Selected for Journal*

A. Cuzzocrea, E. Mumolo, E. Fadda, M. Tassarotto, “Supporting Cyber Attack Detection via Non-Linear Analytic Prediction of IP Addresses: A Big Data Analytics Technique” *26th International Conference on Visualization and Visual Languages (DMSVIVA 2020)*, Pittsburgh, PA, USA, July 7-8, 2020

Best Paper Selection Award

07/2020

[RA23] *iiWAS 2019 Best Paper Selected for Journal*

S.P. Singh, C.K. Leung, F. Jiang, A. Cuzzocrea, “A Theoretical Approach to Discover Mutual Friendships from Social Graph Networks”, *21st ACM International Conference on Information Integration and Web-based Applications & Services (iiWAS 2019)*, Munich, Germany, December 2-4, 2019

Best Paper Selection Award

12/2019

[RA22] *HAIS 2018 Best Paper Selected for Journal*

A. Cuzzocrea, G. Pilato, “Taxonomy-Based Detection of User Emotions for Advanced Artificial Intelligent Applications”, *13th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2018)*, Oviedo, Spain, June 20-22, 2018

Best Paper Selection Award

06/2018

[RA21] *DMSVIVA 2018 Best Paper Selected for Journal*

A. Cuzzocrea, E. Mumolo, M. Hassani, G.M. Grasso, “A Markov-Model-Based Framework for Supporting Real-Time Generation of Synthetic Memory References Effectively and Efficiently”, *23rd International Conference on Visualization and Visual Languages (DMSVIVA 2018)*, San Francisco, CA, USA, June 29-30, 2018

Best Paper Selection Award

06/2018

[RA20] *ICTAI 2017 Best Paper Selected for Journal*

A. Cuzzocrea, F. Folino, M. Guarascio, L. Pontieri, “Deviance-Aware Discovery of High Quality Process Models”, *29th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2017)*, Boston, MA, USA, November 6-8, 2017

Best Paper Selection Award

11/2017

[RA19] *DaWaK 2017 Best Paper Selected for Journal*

P. Braun, A. Cuzzocrea, F. Jiang, C.K. Leung, A.G.M. Pazdor, “MapReduce-Based Complex Big Data Analytics over Uncertain and Imprecise Social Networks”, *19th International Conference on Big Data Analytics and Knowledge Discovery (DaWaK 2017)*, Lyon, France, August 28-31, 2017

Best Paper Selection Award

08/2017

[RA18] *DMSVLSS 2017 Best Paper Selected for Journal*

A. Cuzzocrea, E. Mumolo, G. Vercelli, “Ergodic Hidden Markov Models for Workload Characterization Problems”, *23rd International Conference on Distributed Multimedia Systems, Visual Languages and Sentient Systems (DMSVLSS 2017)*, Pittsburgh, PA, USA, July 7-8, 2017

Best Paper Selection Award

07/2017

[RA17] *ICEIS 2017 Best Paper Selected for Journal*

A. Cuzzocrea, F. Folino, M. Guarascio, L. Pontieri, “Extensions, Analysis and Experimental Assessment of a Probabilistic Ensemble-learning Framework for Detecting Deviances in Business Process Instances”, *19th International Conference on Enterprise Information Systems (ICEIS 2017)*, Porto, Portugal, April 26-29, 2017

Best Paper Selection Award

04/2017

[RA16] *DMS 2016 Best Paper Selected for Journal*

A. Cuzzocrea, E. Mumolo, G.M. Grasso, G. Vercelli, “Towards An Effective and Efficient Approximation Algorithm for Advanced Computer Vision Applications based on Two-Dimensional Dynamic Programming”, *22nd International Conference on Distributed Multimedia Systems (DMS 2016)*, Salerno, Italy, November 25-26, 2016

Best Paper Selection Award

11/2016

[RA15] *MEDES 2016 Best Paper Selected for Journal*

A. Cuzzocrea, G. Pirrò, “A Semantic-Web-Technology-Based Framework for Supporting Knowledge-Driven Digital Forensics”, *8th ACM International Conference on Management of Digital EcoSystems (MEDES 2016)*, Biarritz, France, November 1-4, 2016

Best Paper Selection Award

11/2016

[RA14] *EDB 2016 Best Paper Selected for Journal*

A. Cuzzocrea, “Big Data Compression Paradigms for Supporting Efficient and Scalable Data-Intensive IoT Frameworks”, *6th ACM International Conference on Emerging Databases: Technologies, Applications, and Theory (EDB 2016)*, Jeju, South Korea, October 17-19, 2016

Best Paper Selection Award

10/2016

[RA13] *DEXA 2016 Best Paper Selected for Journal*

L. Andrade-Ribeiro, A. Cuzzocrea, K.A.A. Bezerra, B.H. Bahia do Nascimento, “Incorporating Clustering into Set Similarity Join Algorithms: The SjClust Framework”, *27th International Conference on Database and Expert Systems Applications (DEXA 2016)*, Porto, Portugal, September 5-8, 2016

Best Paper Selection Award

09/2016

[RA12] *ICEIS 2016 Best Paper Selected for Journal*

L. Andrade-Ribeiro, A. Cuzzocrea, K.A.A. Bezerra, B.H. Bahia do Nascimento, “SJClust: Towards a Framework for Integrating Similarity Join

Algorithms and Clustering”, *18th International Conference on Enterprise Information Systems* (ICEIS 2016), Rome, Italy, April 25-28, 2016

Best Paper Selection Award

04/2016

[RA11] *ICC 2016 Best Paper*

M. Mariotti, O. Gervasi, F. Vella, A. Costantini, A. Cuzzocrea, “A DBMS-Based System for Integrating Grids and Clouds: Anatomy, Models, Functionalities”, *2016 ACM International Conference on Internet of Things and Cloud Computing* (ICC 2016), Cambridge, UK, March 22-23, 2016

Best Paper Award

03/2016

[RA10] *COMPSAC 2015 Best Paper*

A. Cuzzocrea, W. Lee, C.K. Leung, “High-Recall Information Retrieval from Linked Web Data”, *39th IEEE International Computer Software & Applications Conference* (COMPSAC 2015), Taichung, Taiwan, July 1-5, 2015

Best Paper Selection Award

07/2015

[RA9] *CTS 2015 Best Paper Selected for Journal*

P. Buono, A. Cuzzocrea, “A Collaborative Framework for Supporting Combined Visualization of Activities Across Time Zones”, *2015 IEEE International Conference on Collaboration Technologies and Systems* (CTS 2015), Atlanta, GA, USA, June 1-5, 2015

Best Paper Selection Award

05/2015

[RA8] *PSBD 2014 Best Paper Selected for Journal*

S. Bothe, A. Cuzzocrea, P. Karras, A. Vlachou, “Skyline Query Processing over Encrypted Data: An Attribute-Order-Preserving-Free Approach”, *1st ACM International Workshop on Privacy and Security of Big Data* (PSBD 2014), in conjunction with *23rd ACM Conference on Information and Knowledge Management* (CIKM 2014), Shanghai, China, November 3-7, 2014

Best Paper Selection Award

11/2014

[RA7] *COMAD 2013 Best Paper*

A. Cuzzocrea, R. Moussa, “Multidimensional Database Design via Schema Transformation: Turning TPC-H into the TPC-H*d Multidimensional Benchmark”, *19th CSI International Conference on Management of Data* (COMAD 2013), Ahmedabad, India, December 19-21, 2013

Best Paper Award

12/2013

[RA6] *WISE 2013 Best Paper*

Z. Wu, W. Yin, J. Cao, G. Xu, A. Cuzzocrea, “Community Detection in Multi-Relational Social Networks”, *14th IEEE International Conference on Web Information Systems Engineering* (WISE 2013), Nanjing, China, October 13-15, 2013

Best Paper Award

10/2013

[RA5] *COMPSAC 2013 Best Paper Selected for Journal*

A. Cuzzocrea, E. Bertno, “Further Theoretical Contributions to a Privacy Preserving Distributed OLAP Framework”, *37th IEEE International Computer Software & Applications Conference* (COMPSAC 2013), Kyoto, Japan, July 22-26, 2013

Best Paper Selection Award

07/2013

[RA4] *GADA 2008 Best Paper Selected for Journal*

A. Cuzzocrea, “Data Transformation Services over Grids with Real-Time

Bound Constraints”, *2008 International Conference on Grid computing, high-performance and Distributed Applications (GADA 2008)*, Monterrey, Mexico, November 9-14, 2008

Best Paper Selection Award

11/2008

[RA3] *COMPSAC 2008 Best Paper Selected for Journal*

A. Cuzzocrea, “Towards Real-Time Data Transformation Services over Grids”, *32nd Annual IEEE International Computer Software and Applications Conference (COMPSAC 2008)*, Turku, Finland, July 28 - August 1, 2008

Best Paper Selection Award

08/2008

[RA2] *ISMIS 2008 Best Paper Selected for Journal*

A. Cuzzocrea, “Top-Down Compression of Data Cubes in the Presence of Simultaneous Multiple Hierarchical Range Queries”, *17th International Symposium on Methodologies for Intelligent Systems (ISMIS 2008)*, pp. 361-374, Toronto, Canada, May 20-23, 2008

Best Paper Selection Award

05/2008

[RA1] *DaWaK 2006 Best Paper Selected for Journal*

A. Cuzzocrea, D. Saccà, P. Serafino, “A Hierarchy-Driven Compression Technique for Advanced OLAP Visualization of Multidimensional Data Cubes”, *8th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2006)*, Krakow, Poland, September 4-8, 2006

Best Paper Selection Award

09/2006

K.5. International Research Community Service Awards, Honors and Recognitions

[SA9] *Appreciation Award as Review Panel Member*

National Center of Science and Technology Evaluation (NCSTE), Astana, Kazakhstan

Appreciation Award

08/2016

[SA8] *Outstanding Leadership Award as Program Chair*

17th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2014), Shanghai, China, November 3-7, 2014

Outstanding Leadership Award

11/2014

[SA7] *DEXA Loyalty and Support Award*

25th International Conference on Database and Expert Systems Applications (DEXA 2014), Munich, Germany, September 1-4, 2014

Loyalty and Support Award

09/2014

[SA6] *Outstanding Leadership Award as Program Chair*

16th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2013), San Francisco, CA, USA, October 27 - November 1, 2013

Outstanding Leadership Award

10/2013

[SA5] *Outstanding Leadership Award as Special Session Coordinator*

16th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2012), San Sebastian, Spain, September 10-12, 2012

Outstanding Leadership Award

09/2012

[SA4] *Appreciation Award as Special Issue Editor*

Journal of Network and Computer Applications, Elsevier, Special Issue on “Intelligent Algorithms for Data-Centric Sensor Networks”, Vol. 35, No. 4, pp. 1175-1176, 2012

Appreciation Award

05/2012

[SA3] *Outstanding Leadership Award as Program Chair*

11th International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP 2011), Melbourne, VIC, Australia, October 24-26, 2011

Outstanding Leadership Award

10/2011

[SA2] *Outstanding Leadership Award as Program Chair*

14th ACM International Workshop on Data Warehousing and OLAP (DOLAP 2011), Glasgow, UK, October 24-28, 2011

Outstanding Leadership Award

10/2011

[SA1] *Outstanding Leadership Award as Program Chair*

10th International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP 2010), Busan, South Korea, May 21-23, 2010

Outstanding Leadership Award

05/2010