

Alejandro Moreo

Curriculum Vitae

April 3, 2024

Tenured Researcher at the Institute of Information Science and Technology, Italian National Research Council (ISTI-CNR), Pisa, since 2013.

Born in 1985, in Granada, Spain. Spanish citizenship.

Education

- PhD in Computer Sciences and Information Technologies (10/10 cum laude), University of Granada, 2013.
- Master Degree in Soft Computing and Intelligent Systems (with honours), University of Granada, 2010.
- Bachelor's degree in Computer Engineering (3.037/4 and 21 honours), University of Granada, 2008.

Publications

Source	journal papers	conference papers	books	book chapters	h-index	i10-index	citations
Google Scholar ¹	28	22	1	1	16	25	818

Journals (28 items)

- Mattia Setzu, Silvia Corbara, Anna Monreale, Alejandro Moreo, Fabrizio Sebastiani. *Explainable Authorship Identification in Cultural Heritage Applications: Analysis of a New Perspective*. **ACM Journal of Computing and Cultural Heritage**, “Just Accepted”, 2024 (preprint available: arXiv:2311.02237)
- Pablo González, Alejandro Moreo, Fabrizio Sebastiani. *Binary Quantification and Dataset Shift: An Experimental Investigation* **Data Mining and Knowledge Discovery**, “Just Accepted”, 2024 (preprint available: arXiv:2310.04565)
- Mirko Bunse, Alejandro Moreo, Fabrizio Sebastiani, Martin Senz. *Regularization-based methods for ordinal quantification* **Data Mining and Knowledge Discovery**, “Just Accepted”, 2024 (preprint available: arXiv:2310.09210)
- Silvia Corbara, Alejandro Moreo, Fabrizio Sebastiani. *Same or Different? Diff-Vectors for Authorship Analysis*. **ACM Transactions on Knowledge Discovery from Data**, vol 18, issue 1, no 12, pp 1-36, DOI 10.1145/3609226, 2023
- Alejandro Moreo, Manuel Francisco, Fabrizio Sebastiani. *Multi-Label Quantification*. **ACM Transactions on Knowledge Discovery from Data**, vol 18, issue 1, no 4, pp 1-36, DOI 10.1145/3606264, 2023

¹<https://scholar.google.es/citations?user=4RIy5E4AAAAJ&hl=en>

- Andrea Esuli, Alessandro Fabris, Alejandro Moreo, Fabrizio Sebastiani. *Measuring Fairness under Unawareness of Sensitive Attributes: A Quantification-Based Approach*. **Journal of Artificial Intelligence Research**, vol 76, pp. 1117-1180, DOI 10.1613/jair.1.14033, 2023
- Francesco Banterle, Alessandro Artusi, Alejandro Moreo, Fabio Carrara, Paolo Cignoni *NoR-VDPNet++: Real-Time No-Reference Image Quality Metrics*, **IEEE Access**, vol 11, pp. 34544-34553, DOI 10.1109/ACCESS.2023.3263496, 2023
- Alejandro Moreo, Andrea Pedrotti, and Fabrizio Sebastiani. *Generalized Funnelling: Ensemble Learning and Heterogeneous Document Embeddings for Cross-Lingual Text Classification*. **ACM Transactions on Information Systems**, 41 (2), 1-37, 2023.
- Alejandro Moreo and Fabrizio Sebastiani. *Tweet sentiment quantification: An experimental re-evaluation*. **PLOS ONE** 17, 17 (9), 1-23, 2022
- Silvia Corbara, Alejandro Moreo, Fabrizio Sebastiani, and Mirko Tavoni, *MedLatinEpi and MedLatinLit: Two Datasets for the Computational Authorship Analysis of Medieval Latin Texts* **ACM Journal of Computing and Cultural Heritage**, 16 (3), 1-15 (no. 57), 2022
- Silvia Corbara, Alejandro Moreo, and Fabrizio Sebastiani, *Syllabic Quantity Patterns as Rhythmic Features for Latin Authorship Attribution* **Journal of the Association for Information Science and Technology**, 74 (1), 128-141, 2023
- Alejandro Moreo, Andrea Esuli, and Fabrizio Sebastiani, *Word-Class Embeddings for Multi-class Text Classification*, **Data Mining and Knowledge Discovery**, 35 (3), 911-963, 2021
- Alejandro Moreo, Andrea Esuli, and Fabrizio Sebastiani, *Lost in Transduction: Transductive Transfer Learning in Text Classification*, **ACM Transactions on Knowledge Discovery from Data**, 16 (1), 1-21, 2021
- Andrea Esuli, Alejandro Moreo, and Fabrizio Sebastiani. *Cross-Lingual Sentiment Quantification*. **IEEE Intelligent Systems**. 35 (3), 106-114, 2020
- Alejandro Moreo, Andrea Esuli, and Fabrizio Sebastiani. *Learning to weight for text classification*. **IEEE Transactions on Knowledge and Data Engineering** 32 (2), pages 302-316, 2020
- Alessandro Artusi, Francesco Banterle, Fabio Carrara, and Alejandro Moreo, *Efficient Evaluation of Image Quality via Deep-Learning Approximation of Perceptual Metrics* **IEEE Transactions on Image Processing** 29 (1), pages 1843-1855, 2019
- Andrea Esuli, Alejandro Moreo, and Fabrizio Sebastiani. *Funnelling: A New Ensemble Method for Heterogeneous Transfer Learning and Its Application to Cross-Lingual Text Classification*. **ACM Transactions on Information Systems (TOIS)**, 37 (3), 2019.
- Andrea Esuli, Alejandro Moreo, Fabrizio Sebastiani. *Building automated survey coders via interactive machine learning*. **International Journal of Market Research**, pages 1-22, 2019.
- Fabio Carrara, Andrea Esuli, Tiziano Fagni, Fabrizio Falchi, Alejandro Moreo. *Picture it in your mind: generating high level visual representations from textual descriptions*. **Information Retrieval Journal**, 21(2-3), pages 208-229, 2018.
- Alejandro Moreo, Juan Luis Castro, and Jose Manuel Zurita. *Towards portable natural language interfaces based on case-based reasoning*. **Journal of Intelligent Information Systems**, pages 1-34, 2017.
- Alejandro Moreo, Andrea Esuli and Fabrizio Sebastiani. *Lightweight Random Indexing for Polylingual Text Classification*. **Journal of Artificial Intelligence Research**, volume 57, pages 151-185, 2016.
- Alejandro Moreo, Andrea Esuli, Fabrizio Sebastiani. *Distributional Correspondence Indexing for Cross-Lingual and Cross-Domain Sentiment Classification*. **Journal of Artificial Intelligence Research**, volume 55, pages 131-163, 2016.
- Alejandro Moreo, Eduardo Eisman, Juan Luis Castro, and Jose Manuel Zurita. *Learning regular expressions to template-based FAQ retrieval systems*. **Knowledge-Based Systems** 53, pages 108-128, 2013.

- Manuel Romero, Alejandro Moreo, and Juan Luis Castro. *A cloud of FAQ: A highly-precise FAQ retrieval system for the Web 2.0*. **Knowledge-Based Systems** 49, pages 81-96, 2013.
- Alejandro Moreo, María Navarro, Juan Luis Castro, and Jose Manuel Zurita. *A high-performance FAQ retrieval method using minimal differentiator expressions*. **Knowledge-Based Systems** 36, pages 9-20, 2012.
- Alejandro Moreo, Manuel Romero, Juan Luis Castro, and Jose Manuel Zurita. *FAQtory: A framework to provide high-quality FAQ retrieval systems*. **Expert Systems with Applications** 39.14, pages. 11525-11534, 2012.
- Alejandro Moreo, Manuel Romero, Juan Luis Castro, and Jose Manuel Zurita. *Lexicon-based comments-oriented news sentiment analyzer system*. **Expert Systems with Applications** 39.10, pages 9166-9180, 2012.
- Manuel Romero, Alejandro Moreo, Juan Luis Castro, and Jose Manuel Zurita. *Using Wikipedia concepts and frequency in language to extract key terms from support documents*. **Expert Systems with Applications** 39.18, pages 13480-13491, 2012.

Books (1 items)

- Andrea Esuli, Alessandro Fabris, Alejandro Moreo, Fabrizio Sebastiani. *Learning to Quantify. The Information Retrieval Series*, vol. 47, p. 1-110, ChengXiang Zhai, Maarten de Rijke, ISBN: 978-3-031-20466-1, ISSN: 2949-8066.

Book chapters (1 items)

- Alejandro Moreo, Juan Luis Castro, and Jose Manuel Zurita. *Minimal differentiator expressions: A classification algorithm for linguistic cases in natural language case based systems*. **New Trends on Intelligent Systems and Soft Computing**, ISBN 978-84- 338-5189-5 (v.3), volume 3, 2011, pages 19-42. Editorial Universidad de Granada.

International conferences (22 items)

- Mirko Bunse, Alejandro Moreo, Fabrizio Sebastiani, Martin Senz, *Ordinal Quantification through Regularization*. **ECML / PKDD 2022, 33rd European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases**, Grenoble, France, September 19-23, 2022, pp. 36-52
- Andrea Esuli, Alejandro Moreo, Fabrizio Sebastiani, Gianluca Sperduti, *A Concise Overview of LeQua@ CLEF 2022: Learning to Quantify*, **CLEF 2022, Proceedings of the 13th Conference and Labs of the Evaluation Forum**, Springer, Cham, 2022, pages 362-381
- Andrea Esuli, Alejandro Moreo, Fabrizio Sebastiani, Gianluca Sperduti, *A Detailed Overview of LeQua@ CLEF 2022: Learning to Quantify*, **CLEF 2022, Proceedings of the 13th Conference and Labs of the Evaluation Forum**, CEUR Workshop Proceedings, 2022, 3180, pp. 1849-1868
- Silvia Corbara, Berta Chulvi, Paolo Rosso, Alejandro Moreo, *Rhythmic and Psycholinguistic Features for Authorship Tasks in the Spanish Parliament: Evaluation and Analysis*, **CLEF 2022 Conference and Labs of the Evaluation Forum**, 2022, pages 79-92
- Andrea Esuli, Alejandro Moreo, Fabrizio Sebastiani, *LeQua@ CLEF2022: Learning to Quantify*, **ECIR 2022, 44th European Conference on Information Retrieval**, Stavanger, NO, 2022, pages 374-381
- Silvia Corbara, Berta Chulvi Ferriols, Paolo Rosso, Alejandro Moreo, *Investigating topic-agnostic features for authorship tasks in Spanish political speeches*, **International Conference on Applications of Natural Language to Information Systems**, Springer, Cham, 2022, pages 394-402
- Juan José del Coz, Pablo González, Alejandro Moreo, Fabrizio Sebastiani, *Learning to quantify: Methods and applications (LQ 2021)*, **Proceedings of the 30th ACM International Conference on Information & Knowledge Management**, 2021, pages 4874-4875

- Alejandro Moreo, Andrea Esuli, Fabrizio Sebastiani, *QuaPy: a python-based framework for quantification*, **Proceedings of the 30th ACM International Conference on Information & Knowledge Management**, 2021, pages 4534-4543
- Francesco Banterle, Alessandro Artusi, Alejandro Moreo, Fabio Carrara, *NoR-VDPNet++: Efficient Training and Architecture for Deep No-Reference Image Quality Metrics*, **ACM SIGGRAPH 2021 Talks**, 2021
- Alejandro Moreo, Fabrizio Sebastiani, *Re-Assessing the “Classify and Count” Quantification Method*, **ECIR 2021, 43rd European Conference on Information Retrieval, Lucca, IT, Volume II**, 2021, pages 75-91
- Alejandro Moreo, Andrea Pedrotti, Fabrizio Sebastiani, *Heterogeneous Document Embeddings for Cross-Lingual Text Classification*, **SAC 2021, 36th ACM Symposium On Applied Computing, Gwangju, KR**, 2021, pages 685-688
- Juan José del Coz Velasco, Pablo González González, A Moreo, F Sebastiani, *Learning to quantify: methods and applications (LQ 2021)*, **CIKM ’21: Proceedings of the 30th ACM International Conference on Information & Knowledge Management**, October 2021, pages 4874-4875
- Francesco Banterle, Alessandro Artusi, Alejandro Moreo, Fabio Carrara, *Nor-Vdpnet: A No-Reference High Dynamic Range Quality Metric Trained On Hdr-Vdp 2*, **2020 IEEE International Conference on Image Processing (ICIP)**, 2020, pages 126-130.
- Silvia Corbara, Alejandro Moreo, Fabrizio Sebastiani, and Mirko Tavoni, *The Epistle to Can-grande Through the Lens of Computational Authorship Verification*, **PATRECH 2019, International Conference on Image Analysis and Processing**, 2019, pages 148-158.
- Andrea Esuli, Alejandro Moreo, Fabrizio Sebastiani *A Recurrent Neural Network for Sentiment Quantification* **Proceedings of the 27th ACM International Conference on Information and Knowledge Management, CIKM 2018**, Torino, Italy, October 22-26, 2018, pages 1775-1778.
- Alejandro Moreo, Andrea Esuli, Fabrizio Sebastiani *Lightweight random indexing for polylingual text classification (Extended Abstract)* **Proceedings of the 27th International Joint Conference on Artificial Intelligence, IJCAI 2018**, Stockholm, Sweden, 13-19 July 2018, pages 5642-5646.
- Alejandro Moreo, Andrea Esuli, Fabrizio Sebastiani *Distributional correspondence indexing for cross-lingual and cross-domain sentiment classification (Extended Abstract)* **Proceedings of the 27th IJCAI International Joint Conference on Artificial Intelligence, IJCAI 2018**, Stockholm, Sweden, 13-19 July 2018, pages 5642-5646.
- Alejandro Moreo, Andrea Esuli, Fabrizio Sebastiani *Distributional Random Oversampling for Imbalanced Text Classification* **Proceedings of the 39th International ACM SIGIR conference on Research and Development in Information Retrieval, SIGIR 2016**, Pisa, Italy, July 17-21, 2016, pages 805-808.
- Salud M Jiménez Zafra, Giacomo Berardi, Andrea Esuli, Diego Marcheggiani, María Teresa Martín-Valdivia, Alejandro Moreo *A Multi-lingual Annotated Dataset for Aspect-Oriented Opinion Mining* **Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing, EMNLP 2015**, Lisbon, Portugal, 2015, pages 2533-2538.
- Andrea Esuli, Alejandro Moreo *Distributional Correspondence Indexing for Cross-Language Text Categorization*, **Proceedings of the European Conference on Information Retrieval, ECIR 2015**, Vienna, Austria, 2015, pages 104-109.
- Manuel Romero, Alejandro Moreo, and Juan Luis Castro. *Collaborative system for learning based on questionnaires and tasks*. **International Joint Conference SOCO’13-CISIS’13-ICEUTE’13**. Springer, 2013, pages 631-640.
- Alejandro Moreo, Juan Luis Castro, and Jose Manuel Zurita. *Handling context in lexicon-based sentiment analysis*. **International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems**. Springer, 2012, pages 245-254.

National conferences / workshops (3 items)

- Alejandro Moreo, Andrea Pedrotti, Fabrizio Sebastiani, *Generalized funnelling: Ensemble learning and heterogeneous document embeddings for cross-lingual text classification (Extended Abstract)*, **IIR 2021, Italian Information Retrieval Workshop, Bari, IT**, 2021
- Gianluca Sperduti, Alejandro Moreo, Fabrizio Sebastiani, *Garbled-Word Embeddings for Jumbled Text*, **IIR 2021, Italian Information Retrieval Workshop, Bari, IT**, 2021
- Alejandro Moreo, Andrea Esuli, Fabrizio Sebastiani *Transductive Distributional Correspondence Indexing for Cross-Domain Topic Classification*. **IIR 2016, 7th Italian Information Retrieval Workshop**, 2016, Venice, Italy.

Preprints (3 items)

- Alejandro Moreo, Andrea Esuli, and Fabrizio Sebastiani, *Revisiting Distributional Correspondence Indexing: A Python Reimplementation and New Experiments*, **arXiv preprint**, arXiv:1810.09311
- Andrea Esuli, Tiziano Fagni, and Alejandro Moreo, *JaTeCS an open-source JAVa TExt Categorization System*, **arXiv preprint**, arXiv:1706.06802
- Fabio Carrara, Andrea Esuli, Tiziano Fagni, and Alejandro Moreo, *Exploring epoch-dependent stochastic residual networks*, **arXiv preprint**, arXiv:1704.06178

Reports

- Juan José del Coz, Pablo González, Alejandro Moreo, Fabrizio Sebastiani, *Report on the 1st International Workshop on Learning to Quantify (LQ 2021)*, **SIGKDD Explorations**, Vol 24, 1, 2022, pages 49-51
- Nicola Aloia, et al. *AIMH Research Activities 2021*, **Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo"** (internal report), <https://hal-lara.archives-ouvertes.fr/hal-03573814/> 2021.

Magazines

- Silvia Corbara, Alejandro Moreo, Fabrizio Sebastiani, *Syllabic Quantity: Rhythmic Clues for Latin Authorship*, **Information Matters**, Vol. 2, No. 6, 2022, Available at SSRN: <https://ssrn.com/abstract=4214742> or <http://dx.doi.org/10.2139/ssrn.4214742>

Editorial Board Membership (3 items)

- Journal of Machine Learning Research (JMLR) Editorial board of reviewers since Jun 2020 <https://www.jmlr.org/editorial-board.html>
- Journal of Computing and Cultural Heritage (JOCCH), Associate Editor since Jan 2023, <https://dl.acm.org/journal/jocch/editorial-board>
- PeerJ Computer Science, Editorial Board member since Dec 2023, <https://peerj.com/moreo/>

Keynotes (1 items)

- “Quantification: Estimating Class Prevalence via Supervised Learning” *ml.astro 2022: Workshop on Machine Learning for Astroparticle Physics and Astronomy*, co-located with INFOR-MATIK (2022), Hamburg (Germany), 26 September 2022.

Teaching Activities

Courses

- “Learning to Quantify: Inferring Unbiased Estimators of Class Prevalence via Machine Learning”,² Alejandro Moreo and Fabrizio Sebastiani, *AIDA doctoral consortium*. 4 slots of two hours each, March 14,16,21,23, 2023.
- “Machine Learning for Text Classification”, Fabrizio Sebastiani and Alejandro Moreo, “*Doctoral Program in Brain, Mind and Computer Science*”, *Università degli Studi di Padova*, (3 hours online) May 6-7, 2021.
- “Blocco V - Falsificazione e Fake News - Modulo 2: Approccio computazionale ai dati testuali per il riconoscimento di opere false: il caso dell’Epistola a Cangrande”, Mirko Tavoni, Silvia Corbara, Fabrizio Sebastiani, and Alejandro Moreo, *Ciclo di Seminari per la Didattica Trasversale per Dottorandi*, *Università di Pisa*, (4 hours online) 11st June, 2020.
- “Text Analytics and Opin Mining” (Master course), Andrea Esuli and Alejandro Moreo, Master in Big Data Analytics & Social Mining, University of Pisa. A 10 hours-course given during 5 consecutive years from 2017 - 2021.
- “Programming Methodology” (60 hours course), Alejandro Moreo, Escuela Técnica Superior de Ingenierías Informática y de Telecomunicación (ETSIIT-UGR), University of Granada, 2012-2013

Summer Schools

- “Intersections Between IR, Data Mining, Machine Learning, and Natural Language Processing”, Fabrizio Sebastiani and Alejandro Moreo, *The 13th European Summer School in Information Retrieval (ESSIR)*, (3 hours) July, 2022.
- “Machine Learning for automatic text analysis: tasks, methods, and tools”, Fabrizio Sebastiani and Alejandro Moreo, *Summer School “Digital Tools for Humanists – Working on Text”*, *University of Pisa*, (8 hours), June 9 2022, Pisa.
- “Text Classification and Sentiment Analysis”, Fabrizio Sebastiani and Alejandro Moreo, ACM SIGIR/SIGKDD Africa Summer School on Machine Learning for Data Mining and Search (AFIRM 2019)

Tutorials (3 items)

- “Learning to Quantify: Supervised Prevalence Estimation for Computational Social Science” (half-day tutorial), Alejandro Moreo and Fabrizio Sebastiani, 12th International Conference on Social Informatics (SocInfo 2020), Pisa, IT, October 2020.
- “Learning to Quantify: Estimating Class Prevalence via Supervised Learning” (tutorial), Alejandro Moreo and Fabrizio Sebastiani, Proceedings of the 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval. 2019.
- “Tutorial: Supervised Learning for Prevalence Estimation” (tutorial), Alejandro Moreo and Fabrizio Sebastiani, International Conference on Flexible Query Answering Systems. Springer, Cham, 2019.

Tutoring

- (2021) Elisa Mercanti: *Classificazione di contenuti multimediali e interactive learning: un approccio text-based*. Final Project of Master II livello (*Tirocinio*) in Big Data Analytics and & Social Mining, at Department of Informatics, University of Pisa. Tutors: Marco Cerri (Freed Media) and Alejandro Moreo.

²<https://learning2quantifyaida.github.io/course/>

- (2020) Andrea Pedrotti. *Heterogeneous Document Embeddings for Multi-Lingual Text Classification*. MSc Laurea Dissertation in Informatics and Humanities, University of Pisa. Tutors: Alejandro Moreo and Fabrizio Sebastiani.
- (2020) Fabio Gitto. *Predictive Model for Call-center Transcriptions*. Final Project of Master II livello (*Tirocinio*) in Big Data Analytics and & Social Mining, at Department of Informatics, University of Pisa. Tutors: Marco Coggiatti (Freeda Media) and Alejandro Moreo.
- (2020) Gianluca Sperduti. *Combattere l'odio: Due modelli di classificazione testuale con tecnologia Transformer e Transfer Learning per risolvere il problema di spam, odio e violenza nella sezione commenti di Freeda*. Final Project of Master II livello (*Tirocinio*) in Big Data Analytics and & Social Mining, at Department of Informatics, University of Pisa. Tutors: Marco Cerri (Freeda Media) and Alejandro Moreo.
- (2020) Paola Serrati. *Social Media & Dialogue System Design: le opportunità per il turismo digitale*. Final Project of Master II livello (*Tirocinio*) in Big Data Analytics and & Social Mining, at Department of Informatics, University of Pisa. Tutors: Stefano Cresci and Alejandro Moreo.
- (2019) Silvia Corbara. *The Epistle to Cangrande through the Lens of Computational Authorship Verification*. MSc Laurea Dissertation in Informatics and Humanities, University of Pisa. Tutor: Mirko Tavoni, Co-tutors: Alejandro Moreo and Fabrizio Sebastiani.
- (2019) Marco Magnolo. *Influenza l'Influencer: Un Approccio Semi-automatico All'Interazione con un Account per Sfruttarne la Popolarità*. Final Project of Master II livello (*Tirocinio*) in Big Data Analytics and & Social Mining, at Department of Informatics, University of Pisa. Tutors: Alejandro Moreo and Paolo Ferragina.

Scientific Review

- Reviewer of the PhD dissertation of the candidate Giandomenico Cornacchia, Università di Bari, titled "Fostering Responsible Artificial Intelligence: An Evaluation Approach Grounded on Counterfactual Reasoning", at Corso di Dottorato in Ingegneria Elettrica e dell'Informazione, cycle XXXVI.

Talks

- Silvia Corbara, Alejandro Moreo, Fabrizio Sebastiani, Mirko Tavoni. "L'Epistola a Cangrande al vaglio della computational authorship verification: Risultati preliminari (con una postilla sulla cosiddetta "XIV Epistola di Dante Alighieri").", 18 Dec 2018. In Atti del Seminario "Nuove Inchieste sull'Epistola a Cangrande" Alberto Casadei (ed.), Pisa University Press, Pisa, 2020, pp 153-192. ISBN 978-88-3339-333-9.
- Alejandro Moreo. "Learning to Quantify. Supervised Class Prevalence Estimation". 20 Dec 2023. In Andaluz.IA. Universidad Pablo de Olavide, Seville, Spain.

Program committees

- ECIR 2023 (short paper track), 45th European Conference on Information Retrieval.
- LQ 2022: 2nd International Workshop on Learning to Quantify: Methods and Applications
- LQ 2021: 1st International Workshop on Learning to Quantify: Methods and Applications
- LeQua 2022: A lab on Learning to Quantify @ CLEF2022
- ACM SIGIR 2023 (tutorial track), 46th Conference on Research and Development in Information Retrieval.
- ACM SIGIR 2022 (tutorial track), 45th Conference on Research and Development in Information Retrieval.
- ACM SIGIR 2021, 44th Conference on Research and Development in Information Retrieval.
- ACM SIGIR 2020, 43rd Conference on Research and Development in Information Retrieval.

- ACM SIGIR 2019, 42nd Conference on Research and Development in Information Retrieval.
- IIR 2023, 13th Italian Information Retrieval Workshop.
- IIR 2021, 12nd Italian Information Retrieval Workshop.
- IIR 2019, 10th Italian Information Retrieval Workshop.
- IIR 2018, 9th Italian Information Retrieval Workshop.
- IIR 2017, 8th Italian Information Retrieval Workshop.
- IIR 2016, 7th Italian Information Retrieval Workshop.
- IIR 2015, 6th Italian Information Retrieval Workshop.
- MultiLingMine 2016, 1st International Workshop on Modeling, Learning and Mining for Cross/Multilinguality.
- CLiC-it 2020, PC of Machine Learning for NLP track, 7th Italian Conference on Computational Linguistics.
- CLiC-it 2018, 5a Conferenza Italiana di Linguistica Computazionale.
- CLiC-it 2017, 4a Conferenza Italiana di Linguistica Computazionale.
- CLiC-it 2016, 3a Conferenza Italiana di Linguistica Computazionale.
- SAC 2017, 32nd ACM/SIGAPP Symposium on Applied Computing.

Roles in scientific events

Organization

- Organizer of **LeQua 2024**: A lab on Learning to Quantify³ (co-organized with Andrea Esuli, Fabrizio Sebastiani, and Gianluca Sperduti), at ECML-PKDD 2024, Vilnius (Lithuania), September 9-13, 2024.
- Organizer of **LeQua 2022**: A lab on Learning to Quantify⁴ (co-organized with Andrea Esuli, Fabrizio Sebastiani, and Gianluca Sperduti), at CLEF2022, Bologna (Italy), September 7, 2022.
- Organizer of **LQ 2022**⁵ (co-organized with Juan José del Coz, Pablo González, and Fabrizio Sebastiani), 2nd International Workshop on Learning to Quantify: Methods and Applications, Co-located with ECML/PKDD, Grenoble (France), September 23, 2022.
- Organizer of **LQ 2021**⁶ (co-organized with Juan José del Coz, Pablo González, and Fabrizio Sebastiani), First International Workshop on Learning to Quantify: Methods and Applications, Co-located with CIKM, Gold Coast (Australia), November 1st and November 5th, 2021.
- Tutorial Chair of **ECIR 2021**, 43rd European Conference on Information Retrieval, Lucca (Italy), March 28 - April 1, 2021.
- Event Chair of **ISTI DAY(s)** (co-organized with Massimiliano Assante), The annual meeting of the ISTI-CNR, Pisa (Italy), November 3rd, 10th, and 17th, 2020.
- Volunteer Coordinator of **SIGIR 2016**, 39th International ACM SIGIR Conference on Research and Development in Information Retrieval, Pisa (Italy), July 17-21, 2016.

Responsability

- Project evaluator in role of “Technical tutoring” for project MADAI submitted for evaluation to ARTES 4.0 (Advanced Robotics and enabling digital TEchnologies & Systems 4.0) foundation.

³<https://lequa2024.github.io/>

⁴<https://lequa2022.github.io/>

⁵<https://lq-2022.github.io/>

⁶<https://cikmlq2021.github.io/>

- Member of the committee for 3 scholarships “Assegni di ricerca professionalizzanti” Bando ISTI 023/2023-PI, held on 12, 22 January at ISTI-CNR, Pisa, Italy. Prot. 11/01/2024 number 2024-CNR0A00-0006485.
- Member of the committee for 1 scholarship “Assegno di ricerca professionalizzanti” Bando ISTI 004/2024-PI, held on 3, 5 March at ISTI-CNR, Pisa, Italy. Prot. 04/03/2024 number 2024-CNR0A00-0074240.

Participation in Research Projects

- **QuaDaSh: Quantification in the Context of Dataset Shift** (Prot. P2022TB5JF), Bando Prin 2022 PNRR – Settore PE6. Rol: PI (Principal Investigator). Funding: 225490 Euro. Partners CNR (resp. Alejandro Moreo), UniPD (resp. Gian Antonio Susto), UniPI (resp. Nicola Salvati). Documento riferimento: “decreto n 1205 del 28/07/2023, Bando Prin 2022 PNRR – Settore PE6 – Comunicazione di approvazione progetto e richiesta di suddivisione fondi (“rideterminazione”)
- **WEMB** (Prot. 2022EPTPJ9), participation ...
- **SoBigData++** project, funded by the European Commission (Grant 871042) under the H2020 Programme INFRAIA-2019-1. Roles: ‘Responsabile Scientifico per il gruppo AIMH’, participation in WP3 NA2 – Dissemination, Impact, and Sustainability; WP4 NA3 – Training; WP5 NA4 – Accelerating Innovation; WP6 TA1 – Transnational Access; WP8 JRA1 – Social Mining and Big Data Resource Integration; 10 JRA3 – Exploratories. Devoted 7 *person-months* effort. Documento riferimento: “Ratifica gruppo di lavoro” Prot. ISTI-CNR 3654/2022 del 9/11/2022. ‘Addendum GDL Gruppo di lavoro per la realizzazione del progetto SoBigData-PlusPlus’ Prot: N. 207337 del 04/07/2023 (2023-CNR0A00-0207337)
- **SoBigData.it** project, funded by the European Commission “NextGenerationEU” under the MUR IR0000013 code. Roles: ‘Responsabile Scientifico per il gruppo AIMH’, participation in WP2 – Virtual Research Laboratories, WP3 – Access provision, WP5 – Responsible Data Science and Training, WP6 – Infrastructure services, WP7 – Management. Devoted 3 *person-months* effort. Documento riferimento: ‘Ratifica GDL progetto IR PNRR ‘SoBigData.It’. Coordinatore Roberto Trasart’, Prot: N. 208377 del 05/07/2023 (2023-CNR0A00-0208377)
- **SoBigData RI Preparatory Phase Project - SoBigData RI PPP** project, Grant Agreement n. 101079043, founded by Bando HORIZON-INFRA-2021-DEV-02. Roles: ‘Responsabile Scientifico per il gruppo AIMH’, participation in WP1 – Project Management, WP4 – Strategy and Impact, WP6 – Services Provision, WP8 – Central Hub. Devoted 4 *person-months* effort. Documento riferimento: ‘Ratifica GDL Gruppo di lavoro per la realizzazione del progetto SoBigData RI Preparatory Phase Project - SoBigData RI PPP’. Coordinatore Roberto Trasart’, Prot: N. 207310 del 04/07/2023 (2023-CNR0A00-0207310)
- **AI4Media** project, funded by the European Commission (Grant 951911) under the H2020 Programme ICT-48-2020

Edition of Proceedings

- Editor of the Proceedings of the 2nd International Workshop on Learning to Quantify (LQ 2022), Juan José del Coz, Pablo González, Alejandro Moreo, and Fabrizio Sebastiani (eds.) <https://lq-2022.github.io/proceedings/CompleteVolume.pdf>

International journal paper reviewer

- Machine Learning, ISSN: 1573-0565
- Engineering Reports, ISSN: 2577-8196
- ACM Journal on Computing and Cultural Heritage (JOCCH), ISSN: 1556-4673
- Online Social Networks and Media (OSNAM), ISSN: 2468-6964
- IEEE Transactions on Affective Computing (TAFAC), ISSN: 0162-8828

- PeerJ Computer Science (PEERJ), ISSN: 2376-5992
- Knowledge-Based Systems (KNOSYS), ISSN: 0950-7051
- Transactions on Information Systems (TOIS), ISSN: 1046-8188
- Journal of Artificial Intelligence Research (JAIR), ISSN: 1076-9757
- Digital Health (DHJ), ISSN: 2055-2076
- Artificial Intelligence (ARTINT), ISSN: 0004-3702.
- Electronics and Telecommunications Research Institute Journal (ETRI), ISSN: 2233-7326.
- International Journal of Computational Intelligence Systems (IJCIS), ISSN: 1875-6883
- Journal of Machine Learning Research (JMLR), ISSN: 1533-7928

Awards and recognitions (6 items)

- Best Short Paper Award at the ACM Symposium on Applied Computing (SAC 2021) for article “Heterogeneous document embeddings for cross-lingual text classification” (A Moreo, A Pedrotti, F Sebastiani)
- Best Short Paper Award at the 11th Italian Information Retrieval Workshop (IIR 2021) for article “Garbled-word embeddings for jumbled text” (G Sperduti, A Moreo, F Sebastiani).
- NVidia GPU Grant, February 2019
- Best-Lab (honourable mention) at AFIRM’19 summer school, February 2019
- Progett-ISTI (selected within the 3 bests research project proposal in ISTI-CNR), September 2016
- GYM-16, Grant for Young Mobility, October 2016

Visiting academic positions (3 items)

- July 17 2023 to July 29 2023, short research stay at Universidad de Gijón, Asturias (Spain) to collaborate with Pablo González and Juan José del Coz on the topic of “Multicass Quantification approaches based on Kernel Density Estimation”.
- October 7 2017 to October 21 2017, short research stay at Research Institutes of Sweden (RISE), Stockholm (Sweden). Advisor: Magnus Sahlgren.
- October 1 2012 to January 31 2013, short rearch stay at Istituto di Scienza e Tecnologie dell’Informazione, Consiglio Nazionale delle Ricerche (ISTI-CNR), Pisa (Italy). Advisor: Fabrizio Sebastiani.

Other

- Virtual Solutions and Intelligent Systems, S. L., CEO Juan Luis Castro Peña. “Empresa Innovadora de Base Tecnológica” (EBC) per I+D+i, spin off dell’Università di Granada. Periodo di attività: 2009-2015. URL <https://spinoff.ugr.es/cms/base/view/base/basecontent/298/virtual-solutions/> Approvazione della partecipazione, con un 5% delle azioni, di Alejandro Moreo. Documento Riferimento: Informe Rev. 2 (10/3/2010) Oficina de Transferencia de Resultados de Investigación (OTRI), Approvazione nel Boletín Oficial de la Universidad de Granada num. 52 (ACG52/6a) il 1 gennaio 2012. <https://secretariageneral.ugr.es/sites/webugr/secretariageneral/public/inline-files/ACG526a.pdf>