# Program iiWAS2020 & MoMM2020 Conferences

### 30 Nov - 2 Dec 2020

a virtual conference in the Central European timezone (Vienna)

# Day 1

## Monday, 30 Nov 2020

Time	Track 1.1 Zoom links:	Track 1.2 Zoom links:	Track 1.3 Zoom links:
09:00 - 09:25		OPENING Zoom link:	
09:30 - 10:30	Interweaving	Keynotes 1 zoom links: IoT, Data and Intelligence towards Future Health Professor Liming (Luke) Chen Ulster University, United Kingdom	hcare Ecosystem
10:45 - 12:45	iiWAS Session 1  Zoom links: Session Chair: TBC	iiWAS Session 2  Zoom links:  Session Chair: TBC	MoMM Session 1  Zoom links: Session Chair: TBC
	SYSTEMS & APPLICATIONS 1	BIG DATA AND MULTIMEDIA DATA	SOCIAL NETWORKS AND MOBILE HEALTHCARE
	Urban Traffic Simulation Methodology for Connected Vehicles Congestion Avoidance Ioan Stan, Raul Ghisa, Rodica Potolea Romania  Performance evaluation of Apache Hadoop and Apache Spark for parallelization of compute-intensive tasks  Alexander Döschl, Max-Emanuel Keller, Peter Mandl Germany  Web-based applications and services of annotation in Electronic Commerce  Nesrine Charradi, Anis Kalboussi, Ahmed Hadj	Rammed, or What RAM^3S Taught Us  Ilaria Bartolini, Marco Patella  Italy  Non-native Techniques for Storing JSON  Documents into Relational Tables  Dusan Petkovic  Germany  Evaluating Video Playing Application for Elderly People at Home by Facial Expression Sensing  Service  Kosuke Hirayama, Sachio Saiki, Masahide  Nakamura  Japan	Linking Textual and Contextual Features for Intelligent Cyberbullying Detection in Social Media Nabi Rezvani, Amin Beheshti, Alireza Tabebordbar Australia  A Dynamic Deep Trust Prediction Approach for Online Social Networks Seyed Mohssen Ghafari, Amin Beheshti, Aditya Joshi, Cecile Paris, Shahpar Yakhchi, Alireza Jolfaei, Mehmet A. Orgun Australia  Predicting Emotion Dynamics Sequence on Twitter via Deep Learning Approach Debashis Naskar, Eva Onaindia, Miguel Rebollo,
	Kacem Tunisia	Automatic Correction of Syntax Errors in SuperSQL Queries	Sanasam Ranbir Singh Spain,India

	Prediction of Cesarean Childbirth using Ensemble Machine Learning Methods Nafiz Imtiaz Khan, Tahasin Mahmud, Muhammad Nazrul Islam, Sumaiya Nuha Mustafina Bangladesh Gamification as an enabler of quality distant education: The need for guiding ethical principles towards an education for a global society leaving no one behind A Min Tjoa, Flora Poecze Austria	Shunsuke Otawa, Kento Goto, Motomichi Toyama Japan Graph NoSQL Data Warehouse Creation Amal Sellami, Ahlem Nabli, Faiez Gargouri Tunisia	Social-Distance Aware Data Management for Mobile Computing Sergio Ilarri, Raquel Trillo-Lado, Thierry Delot Spain,France Challenges and Opportunities of Mobile Data Collection in Clinical Studies Ekjyot Kaur, Pari Delir Haghighi, Frada Burstein, Donna Urquhart, Flavia Cicuttini Australia
13:00 - 14:00		Lunch Break	
		KEYNOTES 2  Zoom links	
14:00 - 15:00	14:00 - 15:00 On Architecture of e-Government Ecosystems: from e-Services to e-Participation		to e-Participation
		Professor Dirk Draheim Tallinn University, Estonia	
	iiWAS Session 3	iiWAS Session 4	MoMM Session 2
15:15 - 17:30	Zoom links:	Zoom links:	Zoom links:
	Session Chair: TBC	Session Chair: TBC	Session Chair: TBC
	DATA MINING & MACHINE LEARNING 1	GRAPH THEORY, DATABASES, MOBILE and CLOUD COMPUTING	MOBILE MULTIMEDIA AND MOBILE SECURITY
	A Privacy Protection System in Context-aware Environment: The Privacy Controller Module Tahani Hussain, Ranya Alawadhi Kuwait  ReSCo-CC: Unsupervised Identification of Key Disinformation Sentences Soumya Suvra Ghosal, Deepak P, Anna Jurek- Loughrey India, United Kingdom  Support software for Automatic Speech Recognition systems targeted for non-native speech Kacper Radzikowski, Osamu Yoshie, Robert Nowak Japan, Poland	Fast Clustering of Hypergraphs Based on Bipartite- Edge Restoration and Node Reachability Shuta Ito, Takayasu Fushimi Japan  Tailored Graph Embeddings for Entity Alignment on Historical Data Jurian Baas, Mehdi Dastani, A.J. Feelders Netherlands  Graph Rewriting Rules for RDF Database Evolution Management Jacques Chabin, Cédric Eichler, Mirian Halfeld Ferrari, Nicolas Hiot France  SmartRecepies: Towards Cooking and Food	Chat-type Manzai Application: Mobile Daily Comedy Presentations based on Automatically Generated Manzai Scenarios Kazuki Haraguchi, Kazuki Yane, Akira Sato, Eiji Aramaki, Isao Miyashiro, Akiyo Nadamoto Japan Measuring and Modeling the Impact of Buffering and Interrupts on Streaming Video Quality of Experience Joshua Allard, Andrew Roskuski, Mark Claypool USA A Scheduling Method to Reduce Interruption Time in Broadcast and Communication Integration Environments Yusuke Gotoh, Hayato Takahara

Clustering with Active Core Detection Yao Zhang, Yifeng Lu, Thomas Seidl Germany

Effect of Semantic Content Generalization on Pointer Generator Network in Text Summarization Yixua Wu, Kei Wakabayashi Japan

Unsupervised Evaluation of Data Integration
Processes

Matteo Paganelli, Francesco Del Buono, Francesco
Guerra, Nicola Ferro
Italy

Recommender System Josef Starychfojtu, Ladislav Peska Czech Republic

Interoperability of Semantically-Enabled Web Services on the WoT: Challenges and Prospects Mahdi Bennara, Maxime Lefrançois, Antoine Zimmermann, Nurten Messalti France

A Penalty-Aware Cloud Monitoring System
based on Blockchains
Christian Dienbauer, Benedikt Pittl, Werner Mach,
Erich Schikuta
Austria

Japan

A New Approach to Crowd Journalism Using a Blockchain-Based Infrastructure Leonardo Teixeira, Ivone Amorim, Alexandre Ulisses Silva, João Correia Lopes, Vasco Filipe Portugal

The security of mobile business applications based on mCRM

Jaroslaw Kobiela

Poland

The COVID-19 Impacts on Contextual Privacy
Behavior in Kuwait
Tahani Hussain, Alaa Ismail
Kuwait

Time	Track 2.1 Zoom links:	Track 2.2 Zoom links:	Track 2.3 Zoom links:
		Keynotes 3  Zoom links:	
09:00- 10:00	Edge Intellige	nce – Understanding the convergence of Edge, F	og, and Cloud
		Professor Schahram Dustdar TU Wien, Austria	
	iiWAS Session 5	iiWAS Session 6	MoMM Session 3
10:15 - 12:45	Zoom link:	Zoom link:	Zoom link:
	Session Chair: TBC	Session Chair: TBC	Session Chair: TBC
	SEMANTIC WEB & WEB SEARCH 1	PRIVACY, SECURITY And SOCIAL NETWORK ANALYSIS 1	APPLICATIONS
	Analysis of Relationship between Confirmation Bias and Web Search Behavior Masaki Suzuki, Yusuke Yamamoto Japan  Relation-oriented faceted search method for knowledge bases Taro Aso, Toshiyuki Amagasa, Hiroyuki Kitagawa Japan  Evaluation Framework for Search Methods Focused on Dataset Findability in Open Data Catalogs Petr Škoda, David Bernhauer, Martin Nečaský, Jakub Klímek, Tomáš Skopal Czech Republic	Anonymizing Location Information in Unstructured Text Using Knowledge Graph Taisho Sasada, Yuzo Taenaka, Youki Kadobayashi Japan  An Analysis of Confidentiality Issues in Data Lakes João Luiz Joaquim, Ronaldo Mello Brazil  Introducing Context and Context-awareness in Data Integration: Identifying the Problem and a Preliminary Case Study on Informed Consent Christophe Debruyne Ireland  Web Scraping versus Twitter API: A Comparison for a Credibility Analysis	Cyber Twins Supporting Industry4.0 Application Development  Dinithi Bamunuarachchi, Abhik Banerjee, Prem Jayaraman, Dimitrios Georgakopoulos Australia  Towards Intelligent Feature Engineering for Risk- based Customer Segmentation in Banking Sam Khadivizand, Amin Beheshti, Fariborz Sobhanmanesh, Quan Z. Sheng, Elias Istanbouli, Steven Wood, Damon Pezaro Australia  Improved Weighted Loss Function for Training End-of-Speech Detection Models Mikołaj Pudo, Adrian Wiśniewski, Artur Janicki Poland
	Personalized Implicit Negative Feedback Enhancements for Fuzzy D'Hondt's Recommendation Aggregations Štěpán Balcar, Ladislav Peska Czech Republic  Towards an Ontology Representing Characteristics of Inflammatory Bowel Disease Abderrahmane Khiat, Mirette Elias, Giulio Napolitano, Ann Christina Foldenauer, Michaela	Irvin Dongo, Yudith Cardinale, Ana Aguilera, Fabiola Martínez, Yuni Quintero, Sergio Barrios France, Venezuela, Chile  Viewing Airbnb from Twitter: factors associated with users' utilization Phoey Lee The, Yeh Ching Low, Pei Boon Ooi Malaysia  Early Automatic Detection of False Information in Twitter Event Considering Occurrence Scale and	Input-conditioned Convolution Filters for Feature Learning Suraj Tripathi, Saurabh Tripathi, Abhay Kumar, Chirag Singh India, USA Emotion Recognition from Speech using Spectrograms and Shallow Neural Networks Anwer Slimi, Mohamed Hamroun, Mounir Zrigui,

	Koehm, Blumenstein Irina Germany  A Methodological Approach to Compare Ontologies: Proposaland Application for SLAM Ontologies Yudith Cardinale, María Cornejo, Regina Ticona- Herrera, Dennis Barrios-Aranibar Venezuela, Peru	Time Series Jianwei Zhang, Jinto Yamanaka, Lin Li Japan,China	Henri Nicolas Tunisia, France  Mobile Payment – Classic Approaches to Promote Consumer Adoption Philip Reiting, Andreas Mladenow, Christine Strauss, Gabriele Kotsis Austria
13:00 - 14:00		Lunch Break	
14:00 - 15:00	Ask the President	Keynotes 4 Zoom link: t of ACM: What do we expect from future comp Professor Gabriele Kotsis President of ACM	outer machinery?
15:15 - 17:30	iiWAS Session 7	iiWAS Session 8	MoMM Session 4
15.15 - 17.50	Zoom link:	Zoom link:	Zoom link:
	Session Chair: TBC SEMANTIC WEB & WEB SEARCH 2 SOCIAL NETWORK ANALYSIS 2	Session Chair: TBC  SYSTEMS & APPLICATIONS 2	Session Chair: TBC  IMMERSIVE COMPUTING AND  INTERNET OF THINGS (IOT)
	Making Use of Reviews for Good Explainable Recommendation Shunsuke Kido, Ryuji Sakamoto, Masayoshi Aritsugi Japan  Extraction Method for a Recipe's Uniqueness based on Recipe Frequency and LexRank of Procedures Tatsuya Oonita, Daisuke Kitayama Japan	A Framework for Assessing and Refining the Quality of R2RML mappings Alex Randles, Ademar Crotti Junior, Declan O'Sullivan Ireland  A network-based analysis to understand foodhabits of a multi-company canteen's customers Vincenza Carchiolo, Marco Grassia, Alessandro Longheu, Michele Malgeri, Giuseppe Mangioni Italy	Functional Gaze Prediction in Egocentric Video Si Ahmed Naas,Xiaolan Jiang,Stephan Sigg,Yusheng Ji Finland,Japan  Design and Implementation of User Experience Model for Augmented Reality Systems Shafaq Irshad, Dayang Rohaya Awang Rambli, Suziah Sulaiman Norway,Malaysia  ARchemist: Towards In-situ Experimental
	A Patten Matcher for English Idioms on Web IndeX Takumi Shinzato, Jun Nemoto, Motomichi Toyama Japan  A Syntactic and Semantic Assessment of a Global Software Engineering Domain Ontology Irvin Dongo, Yudith Cardinale, Ana Aguilera, Fabiola Martínez, Yuni Quintero, Sergio Barrios	A Resume Generator with Augmented Reality Features Mary Chew Jia Yi , Ong Huey Fang Malaysia  Augmentation of Local Government FAQs using Community-based Question-answering Data Yohe Seki, Masaki Oguni, Sumio Fujita Japan	Guidance Using Augmented Reality Technology  Mikołaj P. Woźniak, Adam Lewczuk, Krzysztof  Adamkiewicz, Jakub Józiewicz, Tomasz Jaworski,  Zdzisława Rowińska  Poland  Mobile Proxemic Application Development for  Smart Environments  Paulo Pérez, Philippe Roose, Yudith Cardinale,

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Extracting Rhetorical from Twitter Rinji Suzuki, Akiyo Nadamoto Japan

Relationships between emoticon usage and recipient groups in students' text messages Phoey Lee The, Pei Boon Ooi, Hew Gill Malaysia Towards CPS Verification Engineering Werner Retschitzegger, Wieland Schwinger, Andreas Müller, Stefan Mitsch Austria Mark Dalmau, Dominique Masson, Nadine Couture France, Venezuela

APOLLO: A Platform for Experimental Analysis of Time Sensitive Multimedia IoT Applications Harindu Korala, Prem Prakash Jayaraman, Dimitrios Georgakopoulos, Ali Yavari Australia

A Distributed and Collaborative Localization Algorithm for Internet of Things Environments Yaya Etiabi, El Mehdi Amhoud, Essaid Sabir Morocco

# Wednesday, 2 Dec 2020

Time	Track 2.1	Track 2.2	Track 2.3
	iiWAS Session 9	iiWAS Session 10	MoMM Session 5
09:30 - 11:30	Zoom link:	Zoom link:	Zoom link:
	Session Chair: TBC	Session Chair: TBC	Session Chair: TBC
	DATA MINING & MACHINE LEARNING 2	WEB DATABASES	MOBILE HEALTHCARE, WEARABLES AND SENSORS
	Transfer Learning in Classifying Prescriptions and Keyword-based Medical Notes  Mir Moynuddin Ahmed Shibly, Tahmina Akter  Tisha, Md. Kamrul Islam, Md. Mohsin Uddin Bangladesh  Analysis and Comparison of Deep Learning Networks aimed at Irony Detection in Italian Texts  Teresa Alcamo, Alfredo Cuzzocrea, Giosue Lo Bosco, Giovanni Pilato, Daniele Schicchi Italy  A Rule-based Skyline Computation over a Dynamic Database  Ghazaleh Babanejad Dehaki, Hamidah Ibrahim, Fatimah Sidi, Nur Izura Udzir, Ali Amer Alwan Malaysia  Serendipitous Page Recommendation on Web IndeX System with Potential Preferences Xingyu Chen, Jun Nemoto, Motomichi Toyama Japan  Mitigating Effect of Dictionary Matching Errors in Distantly Supervised Named Entity Recognition Koga Kobayashi, Kei Wakabayashi Japan	Integration of Knowledge and Task Management in an Evolving, Communication-intensive Environment  Gerd Hübscher, Verena Geist, Dagmar Auer, Nicole Hübscher, Josef Küng Austria  Siamese Neural Network for Unstructured Data Linkage  Anna Jurek-Loughrey  United Kingdom  A Comparison of Two Database Partitioning Approaches that Support Taxonomy-Based Query Answering  Jero Mario Schäfer, Lena Wiese Germany  FedQPL: A Language for Logical Query Plans over Heterogeneous Federations of RDF Data Sources Sijin Cheng, Olaf Hartig  Sweden  Analysis and Comparison of Block-Splitting-Based Load Balancing Strategies for Parallel Entity Resolution  Xiao Chen, Nishanth Entoor Venkatarathnam, Kirity Rapuru, David Broneske, Gabriel Campero Durand, Roman Zoun, Gunter Saake Germany	Screening for Refractive Error with Low-Quality Smartphone Images  Zhongqi Yang, Eugene Yujun Fu, Grace Ngai, Hong Va Leong, Chi-wai Do, Lily Chan Hong Kong  Wearable Statues Game: A Real-World Multiplayer Game Using Automatic Judgement with Accelerometers Haruka Yagyu, Takahiro Miki, Ayumi Ohnishi, Shuhei Tsuchida, Tsutomu Terada, Masahiko Tsukamoto Japan  DeskWalk: An Exercise System by Replacing Key Inputs with Body Movements Yusuke Shimizu, Ayumi Ohnishi, Tsutomu Terada, Masahiko Tsukamoto Japan  User Identification Method based on Head Shape using a Helmet with Pressure Sensors Atsuhiro Fujii, Kazuya Murao Japan

11:45 - 12:45	Fireside Chat with Wendy Hall  Zoom link:  Dame Wendy Hall  Regius Professor of Computer Science at the University of Southampton, United Kingdom		
13:00 - 14:00	Lunch Break		
14:00 - 16:00	iiWAS Session 11  Zoom link: Session Chair: TBC  SYSTEMS & APPLICATIONS	iiWAS Session 12  Zoom link: Session Chair: TBC  SHOW_iiWAS	MoMM Session 6  Zoom link: Session Chair: TBC  SHOW_MoMM
	Factors Affecting the Adoption of Smart Energy at Universities Osden Jokonya South Africa  CommunityCare: Tackling Mental Health Issues With The Help Of Community Shweta Suran, Vishwajeet Pattanaik, Dirk Draheim Estonia  Ninchisho Chienowa-net: A web system that calculates and publishes the probability of success of coping methods for behavioral and psychological symptoms of dementia Naoko Kosugi, Shunsuke Sato, Kenji Yoshiyama, Dai Noguchi, Katsuo Yamanaka, Hiroaki Kazui Japan  Implementing and Evaluating feedback feature of Mind Monitoring Service for Elderly People at Home Chisaki Miura, Sachio Saiki, Masahide Nakamura, Kiyoshi Yasuda Japan  Machine Learning as a Service – Challenges in Research and Applications Robert Philipp, Andreas Mladenow, Christine Strauss, Alexander Völz Austria	Chemoinformatics for Data Scientists: an Overview Shrooq A Alsenan, Isra Al-Turaiki, Alaaeldin Hafez Saudi Arabia  Managing Learning Resource Metadata for Secondary Education Bernhard Göschlberger, Fabian Dopler, Christoph Brandstetter Austria  A new Multi-Agents System based on Blockchain for Prediction Anomaly from System Logs Arwa Abdullah Benlashram, Hajer Bouricha, Lobna Hsairi, Haneen AL Ahmadi Saudi Arabia, Tunisia  Answer set programming encoding users opinions merging in social networks Raida Ktari, Salma Jamoussi Tunisia  Music Discovery as Differentiation Strategy for Streaming Providers Andreas Raff, Andreas Mladenow, Christine Strauss Austria	Development Of Mobile Academic Information System (AIS) Uin Syarif Hidayatullah Jakarta Based On Android With Performance Evaluation Based On ISO / IEC 25010 Nenny Anggraini, Rifqy Fajriansyah, Nashrul Hakiem, Indra Munawar, Tabah Rosyadi, Luh Kesuma Wardhani Indonesia  Text layout methods overlaid on images considering readability and balance Kazuki Otao, Tetsuji Satoh Japan  Secure Mobile Agents for Patient Status Telemonitoring using Blockchain Manal Alruqi, Lobna Hsairi, Ala' Eshmawi Saudi Arabia

Zoom link	16:10 - 17:00	CLOSING Zoom link
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