Workshop Program

WORKSHOP AT A GLANCE

Time	Duration	Thursday, 17 of November
8:00–8:45	45 mins	The 1st International Workshop on the Fundamentals and Advances of Recommendation System (FA-RS)
8:00–9:30	90 mins	The International Workshop on Telemedicine System
8:00–10:00	120 mins	Special Session on Human Centric Data Analysis
8:00–11:30	210 mins	The 11th International Workshop on Intelligent Data Processing (IDP2022)
8:00–12:00	240 mins	The International Workshop on Multigranulation and Network Recommendation
8:00–11:20	200 mins	The International Workshop on Explainable AI for Recommender Systems & AI and Machine Learning Applications in Healthcare
9:00–11:00	120 mins	The 7th International Workshop on Integrated Social CRM (iCRM 2022)
9:00–11:00	120 mins	The International Workshop on Personalized QA and its Applications (PQAIA)
9:00–11:00	120 mins	The 15th Natural Language Processing and Ontology Engineering (NLPOE2022)
9:00–11:00	120 mins	The International Workshop on AI for Social Good in the Connected World (AI4SG)
9:00 – 11:00	120 mins	The International Workshop on Data Analytics on Social Media (DASM'22)
9:00–17:00	480 mins	The International Workshop on Information Retrieval and Artificial Intelligence
10:00–11:30	90 mins	The International Workshop on Web Intelligence meets Brain Informatics (WImBI'22)
10:00–16:00	360 mins	The International Workshop on Affective Computing and Emotion Recognition (ACER-EMORE2022)
15:00–16:40	100 mins	The 5th International Workshop on Social Media Analytics for Health intelligence (SMA4H)
15:00–TBD		The International Workshop on High-dimensional Data Analytics for Knowledge Management (HDAKM)
16:00–18:00	120 mins	The 7th International Workshop on Application of Big Data for Computational Social Science (ABCSS2022)

Workshop Schedule

	The 11th International Workshop on Intelligent Data Processing (IDP2022) **Room: Zoom Meeting ID: 915 5740 7397 Passcode: 337266**
08:00 − 08:20	Xiang Li and Zhenbiao He, "Audience Research on Media-enterprise Cooperation Products of Knowledge Graph". Paper ID: S01202.
08:20 − 08:40	Jianze Huang, "A Novel Position-based VR Online Shopping Recommendation System based on Optimized Collaborative Filtering Algorithm". Paper ID: S01201.
08:40 − 09:00	Chen Ou and Lu Yang, "On the Relationship Between the Self-efficacy and the English Achievement of English Majors: A Case Study of NingboTech University Students". Paper ID: S01203.
09:00 − 09:20	Bin Jia, Jing Zhang, and Xuewen Jia, "Predict Turnaround Time of Hospital Discharge". Paper ID: S01204.
09:20 − 09:40	Tianlun Zhou and Paolo Mengoni, "Reexamining the Echo Chamber Effect of COVID-19 Vaccine Videos on YouTube". Paper ID: S01205.
09:40 − 10:00	Lei Zhang, "Oscillation Patterns of a Complex Exponential Neural Network". Paper ID: S01206.
10:00 − 10:20	Qiqi Huang, "An Optimized High Dimension Data Reduction Method based on Covariance". Paper ID: S01207.
10:20 − 10:40	Hajar Baghcheband, "Machine Learning Data Markets: Trading Data using a Multi-Agent System". Paper ID: WI283
10:40 − 11:00	Sara Abri, "Learning to Rank using Fuzzy-Enhanced LSTM Model". Paper ID: WI229.
11:00 − 11:20	Pushkar Kishore, "Family Classification of Malicious Applications using Hybrid Analysis and Computationally Economical Machine Learning Techniques". Paper ID: WI262.
	The 7th International Workshop on Application of **Big Data for Computational Social Science (ABCSS2022)** **Room: Zoom meeting ID: 824 3224 8260 passcode: 528869**
16:00-16:20	A Improving Recommendation Diversity by Maximizing Semantic Volume (Atom Sonoda, Fujio Toriumi, and Hiroto Nakajima)

16:20-16:40	Visualization and Extraction of Important Structural Changes via Dynamic Hypergraph Embedding (Shuta Ito and Takayasu Fushimi)
16:40–17:00	Investigating Users' Motives for Engaging in Flaming by Analyzing Despise Tweets (Wonseok Lee, Takanori Komatsu, and Fujio Toriumi)
17:00-17:20	Characterizing the nature of trust & misinformation on Twitter (Bryan Boots and Steve Simske)
17:20-17:40	Developing a Dataset for Mining Reviews in Tweets focusing on Celebrities' Aspects (Kotoe Sugawara and Takehito Utsuro)
17:40–18:00	Comparative Analysis of Information Spreading Focused on Topics and Emotions via Temporal Point Process (Kennosuke Yoshida and Takayasu Fushimi)
Session: The International Workshop on Personalized QA **and its Applications (PQAIA)** Room: https://meeting.tencent.com/dm/hmltm3s0wMP1	
9:00-9:20	Title: A Knowledge Graph Construction Method for Food Nutrition; Author: Libing Qiao, Haisheng Li, Wei Wang, and Di Wang
9:20-9:40	Title: NCG-LS: Named Entity Recognition Model Specializing for Analyzing Product Titles; Author: Sun Shiqi, Zhang Kun, Li Jingyuan, Cen Jianhe, and Wang Yuanzhuo
9:40-10:00	Title: MTPL-G2T:Graph-to-Text Generation Task Based on Mixed Template Prompt Learning; Author: Cen Jianhe, Zhang Kun, Li Jingyuan, Sun Shiqi, and Wang Yuanzhuo
10:00-10:20	Title: A Comparative Experimental Study of Link Prediction Methods with Structural Information; Author: Dawei Liu
10:20-10:40	Title: Research on Question Answering over Knowledge Graph of Chronic Diseases; Author: Mengzhan Li and Haisheng Li
The 15th Natural Language Processing and Ontology Engineering (NLPOE2022) Room: https://meeting.tencent.com/dm/bLYgnwIUd02v	
09:00 – 09:20	Wending Zhao; S08201 - Wenjing Zhao and Xuebo LI, Visual Analysis of Clinical Studies of Xuebijing Injection Based on Bibliometrics

09:20 – 09:40	Teng Teng; S08202 - Research on Drug Data Mining based on Ancient and Modern Medical cases using Sini Decoction
09:40 – 10:00	Yanshan Wang; S08203 - Bibliometric Analysis of Pediatric Massage Based on CNKI
10:00 – 10:20	Meng Cheng; S08205 - Management Course Knowledge Graph Construction Based on Ontology
The International Workshop on Affective Computing and Emotion Recognition (ACER-EMORE2022) **Room:** https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZTNkNjM5MWUtYjAzNC00YmQ4LWIwNTktMjcyOTU0YTRlNzQz%40 thread.v2/0?context=%7b%22Tid%22%3a%22067e7d20-e70f-42c6-ae10-8b07e8c4a003%22%2c%22Oid%22%3a%22e385df07-1de4-4e73-a85f-676df2c62033%22%7d	
10:00-10:10	Presentation of the workshop and welcome to the authors
10:10-10:30	Miguel Arevalillo-Herráez, Pablo Arnau-González, Inés Bravo-Cabrera, and Naeem Ramzan, On using the DIET architecture for sentiment analysis and emotion detection
10:30-11:30	Valentina Franzoni, (KEYNOTE) Affective Computing and Emotion Recognition in Artificial Intelligence: Background and Challenges
11:30-11:50	Daniele Lozzi, Filippo Mignosi, Giuseppe Placidi, Matteo Polsinelli, and Matteo Spezialetti, A 4D LSTM network for emotion recognition from the cross-correlation of the power spectral density of EEG signals
11:50-12:10	Daniela Saetta, Luigi Bellante, Maria Vittoria Lacaita, Maria Ernestina Faggiano, Daniela Scala, and Valentina Franzoni, Collection and Analysis of Narratives for a Values Charter of the Italian Society for Hospital Pharmacy
12:10-13:00	Jordi Vallverdú, (KEYNOTE) Emotions and Pain
13:00–14:30	**Lunch**
14:30-14:50	Daniele Mezzetti and Valentina Franzoni, Recognizing and Predicting Neonatal Pain in Preterm Intensive Care Unit: a Study Protocol
14:50-15:10	Gulmira Bekmanova, Gaziza Yelibayeva, Banu Yergesh, Laura Orynbay, Ayaulym Sairanbekova, and Zulfiya Kaderkeyeva, The Emotional Coloring of Kazakh Names of People in the Semantic Knowledge Database of the Mobile Application "Fascinating Onomastics"

15:10-15:30	Valentina Franzoni, Giulio Biondi, and Alfredo Milani, Defining Classification Ambiguity to Discover a Potential Bias Applied to Emotion Recognition Data Sets
15:30-15:50	Chisa Kondo, Hiroshi Sakuma, and Yoshinori Hijikata, A Study on Agent Expression and User Gaze Behavior in Product Endorsement Videos
The International Workshop on Multigranulation and Network Recommendation Room: **Tencent Meeting: 535 989 686**	
8:00-8:20	Xiaoyu Wu, Tingting Zheng , Weiwei Meng, and Junge Li, "Additive Consistency Analysis for Picture Fuzzy Preference Relation"
8:20-8:40	Bei Yuan, Meiling Li, Jie Chen, Shu Zhao, Yanping Zhang, and Fulan Qian, "Cascade-based Adversarial Optimization for Influence Prediction"
8:40-9:00	Wang Zhiqiang, Zheng Tingting, Li Qing, and Sun Xin, "Weighted Multi-granulation Containment Neighborhood Rough Set Model"
9:00-9:20	Xiangrui Li, Andong Wang, Xiyuan Hu, and Zhenmin Tang, "Orientation Invariant Tensor Completion In Both Spectual And Space Domains"
9:20-9:40	wenna du, hongqiang lin, and Zehua Chen, "A Parallel Granular Sieving Algorithm for Global Optimization"
9:40-10:00	Lei Dai, Liming Zhang, and Zehua Chen, "Granular Sieving (GrS) Algorithm on Gas Transmission Optimization Problem"
10:00-10:20	Jingheng Huang and Simon Fong, "Prediction and Validation of Dichotomous Online Shoppers' Purchase Intention Using Pairwise Shadow Learning Model"
10:20-10:40	Jian Long and Simon Fong, "Improved Collaborative Filtering Recommendation System Based on User Behaviour Feature Clustering"
10:40-11:00	unnan Wu and Liming Zhang, "Deep Model Pruning By Parallel Pooling Attention Block"
Special Session on Human-Centric Data Analysis Room: **https://smu-ca.zoom.us/j/87658223838?pwd=dGxzZ3ozdTRVNDhnS3hxTS9TdC9Wdz09**	

Time	Session
8:00-8:20	Gaurav Rao, David Savage, Pawan Lingras, and Vijay Mago; "Measuring CPR feedback using smartwatch technology"
8:20-8:40	Atharva Phatak and Vijay Mago "A Bibliometric Analysis of Text Simplification research"
8:40-9:00	Amirmohammad Shahbandegan, David Savage, and Vijay Mago "Predicting a patient's need for computed tomography in the emergency department using triage information"
9:00-9:20	Russell Scheinberg and Ameeta Agrawal "Human-centric Multilingual Language Technologies"
9:20-9:40	Raavee Kadam, George Frempong, Joyline Makani, and Pawan Lingras "Evidence-driven Strategies for Successful Schooling Outcomes of Black Nova Scotian Learners"
9:40-10:00	George Frempong, Raavee Kadam, Joyline Makani, and Pawan Lingras "Promising Inclusive Schools in the Canadian Nova Scotian Education System: Theory of Change from an Africentric perspective"

The International Workshop on Data Analytics on Social Media (DASM'22)
Room: Zoom Meeting ID: 870 9290 4417 Password: 472026

Time	Session
9:00-9:20	Sielvie Sharma, Muhammad Abulaish, and Tanvir Ahmad "KEvent – A Semantic-Enriched Graph-Based Approach Capitalizing Bursty Keyphrases for Event Detection in OSN"
9:20-9:40	Reem Alshenaifi, Dr. Nam Nguyen, and Dr.Jinjuan Heidi Feng "Mining and Understanding Arabic Tweets Related to Cognitive Disabilities"
9:40-10:00	Valentin Siegert, Arved Kirchhoff, and Martin Gaedke "ConTED: Towards Content Trust for the Decentralized Web"
10:00-10:20	Sachin Thukral, Suyash Sangwan, Arnab Chatterjee, Lipika Dey, Aaditya Agrawal, Pramit Kumar Chandra, and Animesh Mukherjee "Understanding how social discussion platforms like Reddit are influencing financial behavior"
10:20-10:40	Connor Hryhoruk and Carson Leung "Mining from Interpretable Compressed Representation of Sparse Web"

The International Workshop on AI for Social Good in the Connected World (AI4SG)
Room: Zoom Meeting ID: 945 7030 8494 Password: 157079

9:00-9:20	Bingchen Liu, Li Tao, and Zili Zhang, "A Contact Matrix-Based Approach for Predicting COVID-19 Using Influenza Data"
9:20-9:40	Xin Chen, Miao Liu, Yue Peng, and Benyun Shi, "Can higher-order structural features improve the performance of graph neural networks for graph classification?"
9:40-10:00	Huinan Huang, Yuming Feng, Xiaolong Jin, Saiping Guan, and Jiafeng Guo, "DFS-NER: Description Enhanced Few-shot NER via Prompt Learning and Meta-Learning"
10:00-10:20	Maria Fasli, "Artificial Intelligence and Data Science for Social Good: The Case for the SDGs"
The International Workshop on Telemedicine System **Room: Zoom Meeting ID: 951 8806 9015 Password: 053746**	
8:00-8:15	"Emergency Auscultation Sound Transmission System Using Web Conferencing Services in Japan" Masayuki Onda, Junya Kawahara, and Hiroki Matsumoto
8:15-8:30	"Basic Research on an ICT-based System to Support Nurses Providing Medical Care to Evacuees at Home in the Event of a Large-Scale Disaster" Satoshi Iwamoto, Futoshi Ohyama, and Hiroki Matsumoto
8:30-8:45	"Information Sharing among Senior Parents and Children for the Prevention of Frailty Using ICT" Daisuke Yasui, Futoshi Ohyama, and Hiroki Matsumoto
8:45-9:00	"Study on Application of Communication in JS8 Mode in the Amateur Radio High Frequency Band for Telemedicine in the Event of a Major Disaster" Futoshi Ohyama, Satoshi Iwamoto, Osamu Kita, Takahide Kanatake, Daisuke Yasui, Hiroki Matsumoto, and Agus Subekti
9:00-9:15	"An Intelligent Assistant to Provide Social Support to Informal Caregivers of People with Dementia: Alkaid Assistant" Eduardo Islas-Cota, Christian O. Acosta, and Luis-Felipe Rodríguez
The International Workshop on Web Intelligence meets Brain Informatics (WImBI'22) **Room: Tencent Meeting ID: 514459219**	
10:00-10:20	Ning Zhong, "Opening Address"
10:20-11:00	Hongzhi Kuai, "Invited Talk: Towards the Future of Artificial Intelligence in the Connected World"

11:00-11:15	Lianfang Ma, "BRAI Reading–Brain Connectivity Event-Event Relation Extraction"
11:15-11:30	Yu Cao, "Data-Brain Driven Multimodal Brain Network Fusion for Understanding Cognitive Impairment with Alzheimer's Disease"
The International Workshop on Explainable AI for Recommender Systems & AI and Machine Learning Applications in Healthcare Room: **https://meeting.tencent.com/dm/sr7GNFX2UPn5**	
8:00 - 8:10	**Welcome**
8:10 - 9:00	First Keynote Speaker (Prof Zhu Dongxiao) + Q&A
9:00 - 9:10	Shi Qiu, Geng Zhang, and Miao Zhang, Research on Clustering Algorithm of Hyperspectral Images Based on Fuzzy Kernel P System
9:10 - 9:20	Runjie Zhu, Zhiwen Xie, and Guangyou Zhou, Predicting SARS-CoV-2 Infection with Graph Attention Capsule Networks
9:20 - 9:30	Zhiwen Xie, Runjie Zhu, Meng Zhang, and Jin Liu, SparseMult: A Tensor Decomposition model based on Sparse Relation matrix
9:30 - 9:40	Meng Zhang, Zhiwen Xie, and Jin Liu, Event Detection Based on Generative Adversarial Learning
9:40 - 9:50	**10MINS BREAK**
9:50 - 10:40	Second Keynote Speaker (Dr Woo Kangwei) + Q&A
10:40 - 10:50	Huaqi Gao and SHUNKE ZHOU, A Survey of Explainable E-Commerce Recommender Systems
10:50 - 11: 00	Xing Tan, Mahzabeen Emu, and Salimur Choudhury, Task Offloading in Mobile Edge Computing: Intractability and Proposed Approaches
11:00 - 11:10	Yizheng Huang, A Noise-enhanced Fuse Model for Passage Ranking
11:10 - 11:20	Zimu Zeng, Pengchang Zhang, Jia Wang, Xingjia Tang, and Xuebin Liu, Chinese Character Font Classification in Calligraphy and Painting Works Based on Decision Fusion
	Closing Remarks

The 1st International Workshop on the Fundamentals and Advances of Recommendation System Room: **Tencent meeting ID: 639 6546 9240**	
8:00-8:15	"Deep Learning Methods on Recommender System: A Survey" Haoran Shi, Nana Shi, and Jingyu Sun
8:15-8:30	"Optimizing Prediction Computing Model of IBCF" Nana Shi, Jingyu Sun
8:30-8:45	"Knowledge Graph aided review-aware recommendation system with cross attention" Jingyu Zhang, Jingyu Sun

The 7th International Workshop on Integrated Social CRM (iCRM 2022)

Room: https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZjI0N2UzZWItOGFlMy00MzIxLTgwZjUtMjliZmU2ODA5ZGQ1

%40thread.v2/0?context=%7b%22Tid%22%3a%22cc3998de-d1ee-4ab8-85c2-19fee5f70b64%22%2c%22Oid%22%3a%22555fc5ab-8665-4ab3-9639-e7e43bce7c3a%22%7d

**The 5th International Workshop on Social Media Analytics
for Health intelligence (SMA4H)**

Room: meet.google.com/umc-uvxe-eam Phone: (US) +1 516-654-7729; PIN: 748 814 844

**The International Workshop on High-dimensional Data Analytics
for Knowledge Management (HDAKM)**

Room: Zoom Meeting ID: 962 6698 8140 Password: HDAKM

The International Workshop on Information Retrieval and Artificial Intelligence

Room: https://meeting.tencent.com/dm/P0o1a2g4UzF7