ASONAM 2024 - Program overview and sessions
(last update: Aug 31)

September 2

		Sala Mostre	Aula Magna	Sala A	Sala Stampa	OA/SG1	OA/SG2	OA/SG3
7:45			*Transfers from the hotels to the conference venue*					
8:30	10:00	X	X	Workshop: SI	Workshop: SMS	Tutorial 1		
10:00	10:30	X	Coffee break					
10:30	12:30	X	X	Workshop: SI	Workshop: SMS	Tutorial 1	Workshop: MSNDS	
12:30	14:00	X	Lunch @ canteen					
14:00	16:00	Sponsor booths	X	PhD Track: P1	Industrial Track: I1	Tutorial 2	Workshop: MSNDS	Workshop: SAFE-SN
16:00	16:30	Sponsor booths	Coffee break					
16:30	18:00	Sponsor booths	X	PhD Track: P2	Industrial Track: I2			Workshop: SAFE-SN
18:00	20:00		Welcome Cocktail @Unical					
20:00			*Transfers from the conference venue to the hotels*					

September 3

		Sala Mostre	Aula Magna	Sala A	Sala Stampa	OA/SG1	OA/SG2	OA/SG3
7:45			*Shuttle buses from the hotels to the conference venue*					
8:30	10:00	x	Opening + Keynote 1- Fabiana Zollo	x	x	x	x	x
10:00	10:30	Sponsor booths	Coffee break					
10:30	12:30	Sponsor booths	Research Track: 1A		Research Track: 1B	Workshop: AISS	Multidisciplinary Track: M1	Workshop: REINFORCE
12:30	14:00		Lunch @ canteen					
14:00	16:00	Sponsor booths	Research Track: 2A	FOSINT	Research Track: 2B	Workshop: AISS	Multidisciplinary Track: M2	Workshop: REINFORCE
16:00	16:30	Sponsor booths	Coffee break					
16:30	18:00	Sponsor booths		FOSINT		*Research Track: R1 (remote)*	Multidisciplinary Track: M3	
18:00			*Shuttle buses from the conference venue to the hotels*					
19:30	23:00		Citylife Dinner in Cosenza *(w/ bus transfers from/to the hotels)*					

September 4

		Sala Mostre	Aula Magna	Sala A	Sala Stampa	OA/SG1	OA/SG2	OA/SG3
8:00			*Shuttle buses from the hotels to the conference venue*					
9:00	10:00	x	Keynote 2 - Kyriaki Kalimeri	x	x	x	x	x
10:00	10:30	Sponsor booths	Coffee break					
10:30	12:30	Sponsor booths	Research Track: 3A	FAB	Research Track: 3B		Journal Track: J1	Workshop: HyperSCI
12:30	14:30		Lunch @ canteen					
14:30	15:30	x	Keynote 3 - Ricardo Baeza-Yates	x	x	x	x	x
15:30	16:00	Sponsor booths	Coffee break					
16:00	18:00	Sponsor booths		FAB - HIBIBI	Research Track: 4A	Multidisciplinary Track: M4	Journal Track: J2	Workshop: HyperSCI
18:00			*Shuttle buses from the conference venue to the hotels*					
19:30	23:00		Conference Dinner at Villa Rendano (https://www.villarendano.it/) *(w/ bus transfers from/to the hotels)*					

September 5

		Sala Mostre	Aula Magna	Sala A	Sala Stampa	OA/SG1	OA/SG2	OA/SG3
8:00			*Shuttle buses from the hotels to the conference venue*					
9:00	10:00	x	Keynote 4 - Francesco Bonchi	x	x	x	x	x
10:00	10:30	Sponsor booths	Coffee break					
10:30	12:30	Sponsor booths	Research Track: 5A		Research Track: 5B	Demo Track	*Research Track: R2 (remote)*	
12:30	14:00		Lunch @ canteen					
14:00	15:00	x	Closing	x	x	x	x	x

Keynotes

Keynote 1	**Tue 03 9:00-10:00**	Fabiana Zollo	**Information and Public Discourse in the Digital Era: Exploring Challenges, Complexity, and Societal Ramifications**
		Assoc Professor of Computer Science, Ca' Foscari University of Venice https://www.unive.it/data/people/14075308	
		Abstract: In today's hyper-connected digital landscape, the dissemination and consumption of information have undergone transformative shifts, influencing our perception, understanding, and engagement with critical global challenges such as the climate crisis and the COVID-19 pandemic. Social media platforms have risen as primary channels for news and information, shaping public opinion and discourse on these pressing issues. The digital ecosystem may also exacerbate current societal challenges, such as the prevalence of misinformation and phenomena of polarization. This keynote will draw on extensive data-driven analyses from social media platforms to delve deep into the complexities of the digital information ecosystem. It will also underscore the crucial role of interdisciplinary approaches in mapping and understanding the ever-evolving information landscape and its societal impact.	

Keynote 2	**Wed 04 9:00-10:00**	Kyriaki Kalimeri	**Machine Learning for Social Good: Algorithmic & Data Challenges when working with Vulnerable Populations**
		Senior Researcher at ISI Foundation and Senior Research Consultant at UNICEF https://kyriakikalimeri.com/	
		Abstract: The scale, reach, and real-time nature of the Internet is opening new frontiers for better serving humanity, and particularly for a deeper understanding of the vulnerabilities in our societies, including inequalities and fragility in the face of a changing world. Vulnerable populations including children, elderly, racial or ethnic minorities, socioeconomically disadvantaged, underinsured, or those with certain medical conditions, are often absent in commonly used data sources. The aim of this talk will be to shed light on data and algorithmic biases, as well as methodological particulars when addressing vulnerable populations, drawing insights from case studies in response to real humanitarian crises.	

Keynote 3	**Wed 04 14:30-15:30**	Ricardo Baeza-Yates	**The Limitations of Data, ML & Us**
		Director of Research, Institute for Experiential AI, Northeastern University https://roux.northeastern.edu/people/ricardo-baeza-yates/	
		Abstract: Machine learning (ML), particularly deep learning, is being used everywhere. However, not always is used well, ethically and scientifically. In this talk we first do a deep dive in the limitations of supervised ML and data, its key component. We cover small data, datification, bias, predictive optimization issues, evaluating success instead of harm, and pseudoscience, among other problems. The second part is about our own limitations using ML, including different types of human incompetence: cognitive biases, unethical applications, no administrative competence, copyright violations, misinformation, and the impact on mental health. In the final part we discuss regulation on the use of AI and responsible AI principles, that can mitigate the problems outlined above.	

Keynote 4	**Thu 05 9:00-10:00**	Francesco Bonchi	**Finding niches and connectors in networks: methods and applications**
		Research Director, CENTAI https://www.francescobonchi.com/	
		Abstract: Suppose in a social network we know some sources of misinformation, as well as authoritative information sources: how can we exploit this knowledge to identify polarization niches? Similarly, suppose we have a set of users that have clicked on a specific ad: to which other users shall we show the same ad, driven by the principle of homophily? Given a set of patients infected with a viral disease, which other people should we monitor? Each of these questions can be modeled as a very general type of graph-query problems in which we are given some interesting nodes and we want to use this information to drive the search for interesting structures in networks. In this talk we will provide an overview of this very general class of problems, introducing several variants with their algorithmic solutions, as well as several applications in social network analysis and other domains.	

Research Track

	Date/Time	Authors	Title	Format	Time slot
Session 1A: Methods in Network Analysis	**Tue 03 10.30-12.30**	Andrea D'Ascenzo and Mattia D'Emidio	On Mining Dynamic Graphs for k Shortest Paths	LONG	20
		Sebastiano A. Piccolo. Pasquale De Meo and Giorgio Terracina	Evaluating and improving projects' bus-factor: a network analytical framework	LONG	20
		Andrea Failla. Giulio Rossetti and Francesco Cauteruccio	Beyond Boundaries: Capturing Social Segregation on Hypernetworks	LONG	20
		Federico Mazzoni. Andrea Failla and Giulio Rossetti	FairNet: A Genetic Framework to Reduce Marginalization in Social Networks	LONG	20
		Gordana Marmulla and Ulrik Brandes	Centrality in Directed Networks	SHORT	15
		Guillaume Moinard and Matthieu Latapy	Fast and Robust Flocking of Protesters on Street Networks	SHORT	15

	Date/Time	Authors	Title	Format	Time slot
Session 1B: Text analysis	**Tue 03 10.30-12.30**	Nayoung Kim. David Mosallanezhad. Lu Cheng. Michelle Mancenido and Huan Liu	Robust Stance Detection: Understanding Public Perceptions in Social Media	LONG	20
		Ioannis Lamprou. Alexander Shevtsov. Despoina Antonakaki. Polyvios Pratikakis and Sotiris Ioannidis	Exploring Crisis-Driven Social Media Patterns: A Twitter Dataset of Usage During the Russo-Ukrainian War	LONG	20
		Arman Irani. Ju Yeon Park. Kevin Esterling and Michalis Faloutsos	WIBA: What Is Being Argued? A Comprehensive Approach to Argument Mining	LONG	20
		Vitor Gaboardi dos Santos. Guto Leoni Santos. Antonia Egli. Estatira Kahvazadeh. Bill Doolin. Patricia Endo and Theo Lynn	Categorising Corruption in the Vaccine Discourse: A General Taxonomy. Data Set. and Evaluation of LLMs for Classifying Corruption Dialogue in Social Media	LONG	20
		Shubh Mittal. Tisha Chawla and Ashiqur R. Khudabukhsh	You Must be a Trump Supporter: Political Identity Projections on the Social Web	LONG	20
		Ahmad Zareie. Carolina Scarton and Kalina Bontcheva	A Lightweight Approach for User and Keyword Classification in Controversial Topics	SHORT	15

	Date/Time	Authors	Title	Format	Time slot
Session 2A: Machine learning and RecSys	**Tue 03 14.00 - 16.00**	Gabriel Damay and Mauro Sozio	PARFAITE: PageRank-Matrix Factorization for Interpretable Graph Embeddings	LONG	20
		Nathan Bartley. Keith Burghardt and Kristina Lerman	Impacts of Personalization on Social Network Exposure	LONG	20
		Antonino Ferraro. Antonio Galli. Valerio La Gatta. Marco Postiglione. Gian Marco Orlando. Diego Russo. Giuseppe Riccio. Antonio Romano and Vincenzo Moscato	Agent-Based Modelling Meets Generative AI in Social Network Simulations	LONG	20
		Flavio Chierichetti. Ravi Kumar. Giuseppe Re and Andrew Tomkins	RUMs with Ties	LONG	20
		Anahit Sargsyan and Jürgen Pfeffer	From Retweets to Follows: Facilitating Graph Construction in Online Social Networks Through Machine Learning	SHORT	15
		Meysam Alizadeh. Yasaman Asgari. Zeynab Samei. Sara Yari. Shirin Dehghani. Mael Kubli. Darya Zare. Juan Diego Bermeo. Veronika Batzdorfer and Fabrizio Gilardi	Exploring the Correlation of Cryptocurrency Influencers and News Outlets Trading Signals on Twitter and Market Prices	LONG	20

Session	Time	Authors	Title	Type	Min
Session 2B: Communities	**Tue 03 14.00 - 16.00**	Sharon Boddu and Maleq Khan	Scalable High-Performance Community Detection Using Label Propagation in Massive Networks	LONG	20
		Jiarui Wang and S. Felix Wu	Online Social Community Neighborhood Formation	LONG	20
		Michael Benzinger. Raji Ghawi. Lukas Zenk and Jürgen Pfeffer	Dynamic Inter-Organizational Communication Network in a Post-Merger Integration	LONG	20
		Sharon Boddu. Maleq Khan and Mais Nijim	VLP: A Label Propagation Algorithm for Community Detection in Complex Networks	SHORT	15
		Martin Waffo Kemgne. Christophe Demko. Karell Bertet and Jean-Loup Guillaume	Fuzzy and Overlapping Communities Detection: An Improved Approach Using Formal Concept Analysis	SHORT	15
		Hang Cui and Tarek Abdelzaher	Node Generation for Node Classification in Sparsely-Labeled Graphs	LONG	20
Session 3A: Text analysis 2	**Wed 04 10.30-12.30**	Alphaeus Dmonte. Tejas Arya. Tharindu Ranasinghe and Marcos Zampieri	Towards Generalized Offensive Language Identification	LONG	20
		Salvatore Citraro. Giovanni Mauro and Emanuele Ferragina	Burstiness in Emotions: A Case Study on Collective Affective Responses in Italian Soccer Fandoms	LONG	20
		Guto Leoni Santos. Vitor Gaboardi dos Santos. Colm Kearns. Gary Sinclair. Jack Black. Mark Doidge. Thomas Fletcher. Dan Kilvington. Katie Liston. Patricia Takako Endo and Theo Lynn	Detecting Homophobic Speech in Soccer Tweets Using Large Language Models and Explainable AI	LONG	20
		Hong Zhang. Nguyen Quoc-Nam. Prasanta Bhattacharya. Wei Gao. Liang Ze Wong. Brandon Siyuan Loh. Joseph J. P. Simons and Jisun An	Enhancing Stance Classification with Quantified Moral Foundations	LONG	20
		Yeonjung Lee. Yusuf Mucahit Cetinkaya. Emre Kulah. Ismail Hakkı Toroslu and Hasan Davulcu	Masking the Bias: From Echo Chambers to Large Scale Aspect-Based Sentiment Analysis	SHORT	15
		Cedric Waterschoot. Antal van den Bosch and Ernst van den Hemel	The Impact of Featuring Comments in Online Discussions	SHORT	15
Session 3B: Misinformation	**Wed 04 10.30-12.30**	Daman Deep Singh. Gaurav Chauhan. Minh-Kha Nguyen. Oana Goga and Abhijnan Chakraborty	Weaponizing the Wall: The Role of Sponsored News in Spreading Propaganda on Facebook	LONG	20
		Zeyu Zhang. Zhengyuan Zhu. Haiqi Zhang and Chengkai Li	Exploring Behavioral Tendencies on Social Media: A Perspective Through Claim Check-Worthiness	LONG	20
		Demetris Paschalides. George Pallis and Marios Dikaiakos	PARALLAX: Leveraging Polarization Knowledge Graph for Misinformation Detection	LONG	20
		Andrei Stoica and Mirela Riveni	Provenance for Longitudinal Analysis in Large Scale Networks	SHORT	15
		Yeonjung Choi. Lanyu Shang and Dong Wang	ClimateMiSt: Climate Change Misinformation and Stance Detection Dataset	SHORT	15
		Alireza Mohammadinodooshan and Niklas Carlsson	Understanding Engagement Dynamics with (Un) Reliable News Publishers on Twitter	SHORT	15
		Mustafa Alassad and Nitin Agarwal	Mitigating the Spread of COVID-19 Misinformation Using Agent-Based Modeling and Delays in Information Diffusion	SHORT	15

Session 4A: Opinion / diffusion	Wed 04 16.00 - 18.00	Maria J. Blesa. Alejandro Dominguez-Besserer and Maria Serna	Thresholds as Mechanisms for Weighting Influence in the Linear Threshold Rank	LONG	20
		Harumasa Tada. Masayuki Murata and Masaki Aida	A Model of Net Flaming Caused by News Propagation in Online Social Networks	SHORT	15
		Jack Tacchi. Parisa Jamadi Khiabani. Chiara Boldrini. Andrea Passarella and Arkaitz Zubiaga	Applying the Ego Network Model to Cross-Target Stance Detection	SHORT	15
		Emmanuel Kravitzch. Yezekael Hayel. Vineeth Varma and Antoine Berthet	Opinion and self-confidence in influence networks: a coupled dynamics model	SHORT	15
		Pingjing Yang. Kanyao Han and Jana Diesner	Understanding User Perceptions of AI on Reddit	SHORT	15
		Sujan Dutta. Mallikarjuna Tupakula. Sumeet Kumar and Ashiqur R. Khudabukhsh	Anonymous Dissent in the Digital Age: A YouTube Dislikes Dataset	SHORT	15
		Emmanuel Addai. Niloofar Yousefi and Nitin Agarwal	Utilizing Fractional Order Epidemiological Model to Understand High and Moderate Toxicity Spread on Social Media Platforms	SHORT	15
Session 5A: New and alternative platforms	Thu 05 10.30-12.30	Erfan Samieyan Sahneh. Gianluca Nogara. Matthew DeVerna. Nick Liu. Luca Luceri. Filippo Menczner. Francesco Pierri and Silvia Giordano	The Dawn of Decentralized Social Media: An Exploration of the Bluesky Social Ecosystem	LONG	20
		Haoyang Gui. Thales Bertaglia. Catalina Goanta. Sybe de Vries and Gerasimos Spanakis	Across Platforms and Languages: Dutch Influencers and Legal Disclosures on Instagram. YouTube and TikTok	SHORT	15
		Peixian Zhang. Yupeng He. Ehsan Ul Haq. Jiahui He and Gareth Tyson	The Emergence of Threads: The Birth of a New Social Network	SHORT	15
		Abanisenioluwa Orojo. Pranish Bhagat. Michael Donahoo. Nishant Vishwamitra and John Wilburn	Leveraging Secure Social Media Crowdsourcing for Gathering Firsthand Account in Conflict Zones	SHORT	15
		Fernanda Gubert. Gustavo Santos. Myriam Delgado. Daniel Silver and Thiago Silva	Culture Fingerprint: Identification of Culturally Similar Urban Areas Using Google Places Data	SHORT	15
		Omar Hammad. Aniya Khalili. Nicholas Clements. Shelly Miller. Shivakant Mishra and Esther Sullivan	PUREmotion: Understanding the Impact of Highway Construction on People's Wellbeing	SHORT	15
		Lorenzo Alvisi. Serena Tardelli and Maurizio Tesconi	Unraveling the Italian and English Telegram Conspiracy Spheres through Message Forwarding	SHORT	15
Session 5B: Text analysis 3	Thu 05 10.30-12.30	Ademola Adesokan. Sanjay Madria and Long Nguyen	FReCS: A First Responder Classification System	LONG	20
		Farouk Damoun. Hamida Seba and Radu State	Federated Learning-Based Tokenizer for Domain-Specific Language Models in Finance	LONG	20
		Yifan Liu. Yike Li. Yang Zhang and Dong Wang	Intertwined Biases Across Social Media Spheres: Unpacking Correlations in Media Bias Dimensions	SHORT	15
		Surendrabikram Thapa. Surabhi Adhikari. Imran Imran Razzak. Roy Ka-Wei Lee and Usman Naseem	Hate Speech Classification in Text-Embedded Images: Integrating Ontology. Contextual Semantics. and Vision-Language Representations	SHORT	15
		Yiming Zhu. Peixian Zhang. Ehsan Ul Haq. Pan Hui and Gareth Tyson	Exploring the Capability of ChatGPT to Reproduce Human Labels for Social Computing Tasks	SHORT	15
		Shivansh Subramanian. Dhaval Taunk. Manish Gupta and Vasudeva Varma	OutlineGen: Multi-lingual Outline Generation for Encyclopedic Text in Low Resource Languages	SHORT	15

Session	Date/Time	Authors	Title	Format	Time slot
Session R1: Remote session	Wed 03 16:30 - 18:00	Emrul Hasan and Chen Ding	Multicriteria Recommendation System by Leveraging Predefined. Implicit. and Undefined Criteria	SHORT	15
		Rebecca Dorn. Negar Mokhberian. Julie Jiang. Jeremy Abramson. Fred Morstatter and Kristina Lerman	Non-Binary Gender Expression in Online Interactions	SHORT	15
		Sai Puppala. Ismail Hossain. Md Jahangir Alam and Sajedul Talukder	SocFedGPT: Federated GPT-based Adaptive Content Filtering System Leveraging User Interactions in Social Networks	SHORT	15
		Mahsa Nooribakhsh. Marta Fernández-Diego. Fernando González-Ladrón-De-Guevara and Mahdi Mollamotalebi	Improving the accuracy of community detection in social network through a hybrid method	SHORT	15
		Anna Stephens. Francisco Santos. Pang-Ning Tan and Abdol-Hossein Esfahanian	FOCI: Fair Cross-Network Node Classification via Optimal Transport	SHORT	15
		Soheila Farokhi. Arash Azizian Foumani. Xiaojun Qi. Tyler Derr and Hamid Karimi	EDGE-UP: Enhanced Dynamic GNN Ensemble for Unfollow Prediction in Online Social Networks	LONG	20*
Session R2: Remote session	Thu 05 10:30 - 12:30	Francisco Santos. Farzan Masrour. Pang-Ning Tan and Abdol-Hossein Esfahanian	DeepFairRank: A Multi-Objective Framework for Fair Top-k Node Ranking in Network Data	LONG	20
		Sina Abdidizaji. Alexander Baekey. Chathura Jayalath. Alexander Mantzaris. Ozlem Ozmen Garibay and Ivan Garibay	Analyzing X's Web of Influence: Dissecting News Sharing Dynamics through Credibility and Popularity with Transfer Entropy and Multiplex Network Measures	LONG	20
		Soroosh Shalileh	Gradient Descent Clustering with Regularization to Recover Communities in Transformed Attributed Networks	SHORT	15
		Yihong Zhang and Takahiro Hara	Event Embedding Learning from Social Media Using Graph Topic Model Autoencoder	SHORT	15
		Huaisheng Zhu. Zongyu Wu. Tianxiang Zhao and Suhang Wang	AmGNN: A Framework for Adaptive Processing of Inter-layer Information in Multi-layer Graph	LONG	20
		Paul Bouchaud	Browsing Amazon's Book Bubbles	SHORT	15

Journal Track

Session	Date/Time	Authors	Title	Format	Time slot
Session J1	Wed 04 10:30-12:30	Aris Anagnostopoulos, Valentina Arrigoni, Francesco Gullo, Giorgia Salvatori and Lorenzo Severini	General-Purpose Query Processing on Summary Graphs	LONG	20
		Max-Emanuel Keller, Alexander Döschl, Peter Mandl, Alexander Schill	Intelligent Algorithm Selection for Efficient Update Predictions in Social Media Feeds	LONG	20
		João Marcos Machado Couto, Julio Cesar Soares dos Reis and Fabrício Benevenuto	Can Computer Network Attributes be Useful for Identifying Low-Credibility Websites? A Case Study in Brazil	LONG	20
		Houda Oufaida, Lynda Said Lhadj, Souhila Oufaida, Alima Grine and Naziha Smaili	Influence lifetime: modeling the temporal variation of social influence through domains	LONG	20
		João Paulo Oliveira Cruz, Lucia C. Passaro, Jussara M. Almeida and Humberto Torres Marques-Neto	Characterizing Fashion Influencers' Behavior on Instagram	LONG	20
Session J2	Wed 04, 16:00 - 18:00	Rajesh Kumar, Suchi Kumari and Anubhav Mishra	Effect of Perturbation and Topological Structure on Synchronization Dynamics in Multilayer Networks	LONG	20
		Nur Dean	Influence-Based Techniques to Foster Cooperation in Real-Life Social Networks Using the Prisoner's Dilemma Game	LONG	20
		Ismail Hossain, Sai Puppala, Md Jahangir Alam and Sajedul Talukder	A Visual Approach to Tracking Emotional Sentiment Dynamics in Social Network Commentaries	LONG	20

Phd Forum Track

	Date/Time	Authors	Title	Format	Time slot
Session P1	**Mon 02, 14:00 - 16:00**	Oscar Alvaro-Montes de Oca and Laura Homman	From Prison Gang to Transnational Criminal Organization. A Social Network Analysis of the Tren de Aragua	LONG	20
		Maxence Morin	Methodology for identifying social groups within a transactional graph	LONG	20
		Mohamad Elhadi Abushofa, Amir Atapour Abarghouei, Matthew Forshaw and A. Stephen McGough	Evaluating Deep Graph Network Performance by Augmenting Node Features with Theoretical Features	LONG	20
		Daniele De Vinco	Beyond the surface: navigating complex systems via ABMs and Hypergraphs	LONG	20
		Luigi Arminio and Luca Rossi	Which Reveals Ideology Better? Comparing Self-Presentation and Public Rhetoric in the Facebook Climate Debate via Embeddings Analysis	LONG	20
		Pingjing Yang	Using Social Network Analysis to Analyze Eye-tracking Behavior Data in the Area of Education Science	SHORT	15

	Date/Time	Authors	Title	Format	Time slot
Session P2	**Mon 02, 16:30 - 18:00**	Xinni Yang, Yuanyuan Wang, Panote Siriaraya and Yukiko Kawai	Route Recommendation for Healthcare by Reducing Approach Bias as a Food Desire	SHORT	15
		Seb Appleby	Empirical study of the Sardex network	SHORT	15

Industrial Track

	Date/Time	Authors	Title	Format	Time slot
Session I1	**Mon 02, 14:00 - 16:00**	Abdulaziz Alhamadani, Khadija Althubiti, Jianfeng He, Shailik Sarkar, Lulwah Alkulaib, Abdul Raheem Shaik, Seungwon Lee, Mahmood Khan and Chang-Tien Lu	Empowering Airline Route Decisions with LLM-Generated Pseudo-Labels and Zero-Shot Review Prediction	LONG	20
		Lulwah Alkulaib and Chang-Tien Lu	HyperSMOTE-MC: Enhancing Multiclass Bot Detection on X through Hypergraph-based Resampling	LONG	20
		Aadyant Khatri, Nicolas Egierski, Ashutosh Pochamreddy, Abdulaziz Alhamadani, Shailik Sarkar and Chang-Tien Lu	IntelliSMART: Intelligent Semantic Machine-Assisted Research Tool	LONG	20
		Silvestro Roberto Poccia, Sara Foresta, Antonino Barone and Elmiro Tavolaro	Smart Human Resource Management System	SHORT	15

	Date/Time	Authors	Title	Format	Time slot
Session I2	**Mon 02, 16:30 - 18:00**	Seonhyeong Kim, Seonhwa Choi and Young-Woo Kwon	Searching Temporal Knowledge Graphs to Understand The Impacts of Disasters	SHORT	15
		Jiayi Lian, Xueying Liu, Kevin Choi, Balaji Veeramani, Sathvik Murli, Alison Hu, Laura Freeman, Edward Bowen and Xinwei Deng	Data Composition for Continual Learning in Application of Cyberattack Detection	LONG	20
		Abdul Raheem Shaik, Abdulaziz Alhamadani, Shailik Sarkar and Chang-Tien Lu	Optimizing Airline Destinations with AIRNODE: A Graph Attention Network Approach	LONG	20

Multidisciplinary Track

	Date/Time	Authors	Title	Format	Time slot
Session M1	Tue 03, 10:30 - 12:30	Fabio Malini, Francis Sodré, Athus Cavalini, Gabriel Herkenhoff and Fabio Gouveia	Five Patterns of Vaccine Misinformation on Telegram	LONG	20
		Yuze Sha, Nicholas Micallef and Yan Wu	Dissecting the Advocacy Discourse Behind the #StopAsianHate Movement on X/Twitter	LONG	20
		Anique Tahir, Lu Cheng, Manuel Sandoval, Yasin Silva, Deborah Hall and Huan Liu	Evaluating LLMs Capabilities Towards Understanding Social Dynamics	LONG	20
		Joshua Melton, Shannon Reid, Gabriel Terejanu and Siddharth Krishnan	Two-Stage Stance Labeling: User-Hashtag Heuristics with Graph Neural Networks	LONG	20
		Melike Yildiz Aktas, Aadyant Khatri, Mariam Almutairi, Lulwah Alkulaib and Chang-Tien Lu	Enhancing School Success Prediction with FRC and Merged GNN	LONG	20
		Yuto Tamura, Sho Tsugawa and Kohei Watabe	Analyzing Characteristics of Nontrivial Information Diffusion via Implicit Links on Social Media	LONG	20

	Date/Time	Authors	Title	Format	Time slot
Session M2	Tue 03, 14:00 - 16:00	Victoria Ferro, Athus Cavalini, Fabio Gouveia and Fabio Malini	Insights About Radicalism on the Digital Era: A Sociological Approach	LONG	20
		Manuel Sandoval Madrigal, Mohammed Abuhamad, Patrick Furman, Mujtaba Nazari, Deborah Hall and Yasin Silva	Identifying Cyberbullying Roles in Social Media	LONG	20
		Ahmad Zareie and Rizos Sakellariou	A Novel Network Dataset Based on Football Players' Co-Appearances	SHORT	15
		Sachin Date	A Social Network Based Approach to Analyzing Artistic Influences on American Stand-Up Comedians	LONG	20
		Suparna De, Ionut Bostan and Nishanth Sastry	Making Social Platforms Accessible: Emotion-Aware Speech Generation with Integrated Text Analysis	LONG	20
		Orchid Chetia Phukan, Rajesh Sharma and Arun Balaji Buduru	Whispers of Trauma: Leveraging Social Media for Assessing Mental Health in Victims of Childhood Sexual Abuse	LONG	20

	Date/Time	Authors	Title	Format	Time slot
Session M3	Tue 03, 16:30 - 18:00	Jiarui Wang and S. Felix Wu	Online Social Community City Classification	LONG	20
		Faten Hajjej, Monia Hamdi and Mourad Zaied	Multi Objective Optimization Approach for WSN based on Reinforcement Learnings	LONG	20
		Mohamed Mahmoud Amar, Mohamed Bouguessa and Abdoulaye Baniré Diallo	MLCDG: Multi-Level Contrastive Graph Clustering in Dynamic Graphs	LONG	20
		Navapat Nananukul and Mayank Kejriwal	Balancing Efficiency and Quality in LLM-Based Entity Resolution on Structured Data	LONG	20

	Date/Time	Authors	Title	Format	Time slot
Session M4	Wed 04, 16:00 - 18:00	Sj Dillon, Yueqing Liang, H. Russell Bernard and Kai Shu	Investigating Gender Euphoria and Dysphoria on TikTok: Characterization and Comparison	LONG	20
		Rahul Ravi, Gouri Ginde and Jon Rokne	PRAGyan - Connecting the Dots in Tweets	LONG	20
		Muhammad Asif Suryani, Saurav Karmakar and Brigitte Mathiak	Exploration of Hugging Face Models by Heterogeneous Information Network and linking across Scholarly Repositories	LONG	20
		Yayati Gupta, Aaditeshwar Seth and Sanatan Sukhija	Network Analysis of Indian Corporate Interlocks: Patterns, Players and Sectors	LONG	20
		Takayasu Fushimi and Yuki Kawasaki	Path2Vec: Representation Learning for Node Sequences Based on Contrastive Learning	LONG	20

Tutorials

Tutorial 1	Mon 02, 8:30 - 12:30	Alessia Galdeman and Lucio La Cava	Mining, Modeling, and Analyzing Decentralized Social Media
Tutorial 2	Mon 02, 14:00 - 16:00	Muhammad Ahmad and Ishida Yuri	Unraveling History's Threads: Leveraging Social Network Analysis to Explore History

Demo Track

		Ishmam Solaiman and Nitin Agarwal	Multi-agent Analytics-Driven Content Discovery: A Narrative Contagion Approach
Demos	Thu 05 10.30-12.30	Shadi Shajari, Ridwan Amure and Nitin Agarwal	Navigating the Anomalies: A Comprehensive Analysis of YouTube Channel Behavior
		Navapat Nananukul, Khanin Sisaengsuwancha and Mayank Kejriwal	ISAC: An Interactive Hierarchical Interface for Efficient Structural Analysis and Vertex Search in Complex Networks

Track Session Chairs

	Session ID	Chair	Affiliation
Research Track	1A	Rajesh Sharma	University of Tartu, Estonia
	1B	Maleq Khan	Texas A&M Univ.-Kingsville
	2A	Farouk Damoun	University of Luxembourg
	2B	Giulio Rossetti	CNR-ISTI
	3A	Maleq Khan	Texas A&M Univ.-Kingsville
	3B	Sanjay Madria	Missouri Uni of Sc and Tech, USA
	4A	Sebastiano Piccolo	University of Calabria
	5A	Lucio La Cava	University of Calabria
	5B	Fabrizio Marozzo	University of Calabria
	R1	Pingjing Yang	University of Illinois at Urbana-Champaign
	R2	Alessia Antelmi	University of Turin
Journal Track	J1 - J2	Brahim Ouhbi	Moulay Ismail University
Phd Forum Track	P1 - P2	Domenico Mandaglio	University of Calabria
Industrial Track	I1 - I2	Liliana Martirano	ICAR-CNR
Multidisciplinary Track	M1	Ester Zumpano	University of Calabria
	M2 - M3	Eugenio Vocaturo	CNR-NANOTEC
	M4	Carmela Comito	ICAR-CNR

Workshops

	Date/Time	Authors	Title	Format	Time slot
AISS	**Tue 03 10:30 - 12:30, 14:00 - 16:00**	Victoria Popa, Andrea Morelli, Christian Di Maio, Luca Dini, Cristian Cosci, and Emanuele Fulvio Perri	CantastorIA: Enhancing Audiobook Engagement through Adaptive Soundtracks and Voice Cloning	Ext Abs	15
		Giuseppe Fenza, Mariacristina Gallo, Vincenzo Loia, Alessandro Nicolosi, and Claudio Stanzione	Detecting Jailbreaking Prompts: an Anti-Persuasion Filter Framework	LONG	20
		Lorenzo Alvisi	Geo-Localization Using Multimodal Large Language Models	Ext Abs	15
		Argentina Anna Rescigno, Beatrice Melis, Francesco Di Cursi, Gianluca De Ninno, Gianmarco Pastore and Paolo De Biase	Popping the Social Bubble: Using AI to Increase Transparency in Harmful Content Moderation	Ext Abs	15
		Diwash Poudel, Mert Can Cakmak, Nitin Agarwal	Beyond the Click: How YouTube Thumbnails Shape User Interaction and Algorithmic Recommendations	LONG	20
		Omran Berjawi, Danilo Cavaliere and Giuseppe Fenza	A multi-aspect analysis of echo chambers on video-sharing social media	LONG	20
SMS	**Mon 02 8:30 - 10:00, 10:30 - 12:30**	Md Jahangir Alam, Md. Shohanur Rahman Shohan, Ismail Hossain, Sai Puppala, Sajedul Talukder	Bangla Emotion Detection Dataset With An Extended Taxonomy And Its Evaluation	LONG	20
		Carmela Bernardo, Dora Ricci, Francesco Vasca	Homophily Detection in Opinion Dynamics from Reddit Discussions	LONG	20
		Qudus Afolabi	Smile for the Camera, Act Green: Corporate Social Media's Deceptive Sustainability Charade	Ext Abs	15
		smail Hossain, Sai Puppala, Md Jahangir Alam, Sajedul Talukder	SocialRec: User Activity Based Post Weighted Dynamic Personalized Post Recommendation System in Social Media	LONG	20
		Sai Puppala, Ismail Hossain, Md Jahangir Alam, Sajedul Talukder	FLASH: Federated Learning-Based LLMs for Advanced Query Processing in Social Networks through RAG	LONG	20
		Maddalena Amendola, Andrea Passarella, Raffaele Perego	Investigating Gender Bias in StackOverflow with LLMs	Ext Abs	15
		Md Jahangir Alam, Ismail Hossain, Sai Puppala, Sajedul Talukder	4WHContext: A Context Based Hate Speech Detection Framework From Social Media Posts	LONG	20
		Luigi Arminio, Luca Rossi	Measuring the Sociolinguistic Patterns of Climate Debate Polarization in the Facebook Context	LONG	20
HyperSCI	**Wed 04 10:30 - 12:30**	Keynote - Timothy LaRock		Keynote	55
		Vincenzo Auletta, Francesco Cauteruccio, and Diodato Ferraioli	Heuristics for the Influence Maximization Problem on Hypergraphs	LONG	20
		Daniele De Vinco	Fifty Shapes of Reddit: Do Prolife Activists Have the Same Interaction Patterns of Gun Fanatics?	LONG	20
	Wed 04 16:00 - 18:00	Keynote - Jussara Almeida		Keynote	55
		Alessia Antelmi and Andrea Failla	Coding hypergraphs	LONG*	50

SAFE-SN	**Mon 02 14:30 - 16:00**	Francesco Buccafurri	The PNRR-NextGenerationEU initiative SERICS (Security and Rights in the Cyberspace): the STRIDE project on Secure and Traceable Identities in Distributed Environments	Keynote	20
		Shadi Shajari, Ridwan Amure and Nitin Agarwal	Detecting and Measuring Anomalous Behaviors on YouTube	LONG	20
		Emmanuel Ainoo, Christie Ezeife and Abdulrauf Gidado	Mining Likes and Transactions per User for Cross-Domain Product Recommendation in Social Network and E-Commerce	LONG	20
		Vladimir Marbukh	Towards Systemic Risk Evaluation, Attribution, and Mitigation in Networked Systems: Work in Progress.	SHORT	15
		Sara Lazzaro	Beyond Likes: Enhancing Social Media Engagement Metrics	SHORT	15
	Mon 02 16:30 - 18:00	Aurelio Loris Canino, Vincenzo De Angelis and Gianluca Lax	A Router-based Parental Control Tool for Safe Social Network Usage,	SHORT	15
		Kleanti Bashalli, Alexandros Karakasidis, Sophia Karagiorgou and George Pantelis	On Understanding the Dark Web through Graph Analytics	SHORT	15
		Giuseppe Fenza, Domenico Furno, Mariacristina Gallo, Vincenzo Loia and Pio Pasquale Trotta	Claim Verification Leveraging In-Context Learning and Retrieval Augmented Generation	LONG	20
		Irene Amerini, Mauro Barni, Sebastiano Battiato, Paolo Bestagini, Giulia Boato, Tania Sari Bonaventura, Vittoria Bruni, Roberto Caldelli, Francesco De Natale, Rocco De Nicola, Luca Guarnera, Sara Mandelli, Gian Luca Marcialis, Marco Micheletto, Andrea Montibeller, Giulia Orrù, Alessandro Ortis, Pericle Perazzo, Davide Salvi, Stefano Tubaro, Claudia Melis Tonti, Massimo Villari and Domenico Vitulano	Deepfake Media Forensics: State of the Art and Challenges Ahead	LONG	20
		Carmela Bernardo, Marta Catillo, Antonio Pecchia, Francesco Vasca and Umberto Villano	Bipartite Graph Modeling for the Analysis of Fake News Propagation	LONG	20

REINFORCE	**Tue 03 10:30 - 12:30**	**Keynote - Max Falkenberg**		Keynote	50
		Sofia Hurtado and Radu Marculescu	Graph Learning for Bidirectional Disease Contact Tracing on Real Human Mobility Data	LONG	20
		Annalisa Socievole and Clara Pizzuti	Community Detection in Complex Networks exploiting Spectral Graph Sparsification for Efficient Disaster Response	LONG	20
		Simona Cicero, Massimo Guarascio, Antonio Guerrieri, Simone Mungari and Andrea Vinci	A Deep Neural Framework for Fault Detection in IoT-based Sensor Networks	LONG	20
	Tue 03 14:00 - 16:00	Elena Cardillo, Alessio Portaro and Maria Taverniti	Combining Knowledge graph and LLM to extract thesaural relationship and concepts on Cybersecurity	LONG	20
		Claudia Lanza and Erika Pasceri	A Thesaurus for the Cybersecurity domain to specialized knowledge management and indexing operations	LONG	20
		Raffaele Guarasci	Sentiment Analysis for Early Warnings and Disaster Management: a Survey	LONG	20
		Alfredo Cuzzocrea, Abderraouf Hafsaoui and Ismail Benlaredj	Turning Multidimensional Big Data Analytics into Practice: Design and Implementation of ClustCube Big-Data Tools in Real-Life Scenarios	LONG	20

SI	**Mon 02 8:30 - 10:00, 10:30 - 12:30**	Robert Bao, Chris J. Kuhlman, and S. S. Ravi	Blocking Social Contagions via Dominating Sets Using a Modified Linear Integer Programming Formulation	LONG	20
		Sonia Laudanna, Matteo Cardaioli, Andrea Di Sorbo, Corrado Aaron Visaggio and Mauro Conti	Exploring Writing Style Consistency to Timely Identify Heterogeneous Social Bots	SHORT	15
		Poonam Sharma and Suman Banerjee	Profit Maximization in Signed Social Networks	LONG	20

	Date/Time	Authors	Title		
MSNDS	**Mon 02, 10:30 - 12:30**	I-Hsien Ting, Mei-Yun Hsu, Chia Sung Yen and Chian-Hsueng Chao	Applying Opinion Mining and Social Volume Analysis for Enhanced Visitor Relationship Management in A Museum: An Empirical Study	LONG	20
		Chia-Sung Yen and I-Hsien Ting	Learning Effectiveness of Natural Science Education in the Context of Social Networks: A Case Study of Plant Identification Application	LONG	20
		Shih-Hung Wu, Tsung Hsun Tsai and Ping-Hsuan Lee	Research on the Detection and Rephrasing of Toxic Text Based on Large-scale Pre-training Language Models	LONG	20
	Mon 02, 14:00 - 16:00	Jun-Yu Wu, Vidhya Nataraj and Min-Yuh Day	Generative AI in ESG Reporting: A Systematic Review	LONG	20
		Hao He, Xueying Liu, Neil Kattampallil, Vicki Lancaster, Gizem Korkmaz, Chris J. Kuhlman and Xinwei Deng	A Successive Analysis of Online Networked Common Knowledge Experiments	LONG	20
		Ismail Hossain, Sai Puppala, Md Jahangir Alam and Sajedul Talukder	EVOLVE: Predicting User Evolution and Network Dynamics in Social Media Using Fine-Tuned GPT-like Model	LONG	20
		Md Jahangir Alam, Ismail Hossain, Sai Puppala and Sajedul Talukder	CAMERA: Context Based Emotion Detection Framework And Its Evaluation	LONG	20

Symposiums

	Date/Time	Authors	Title
FOSINT	**Tue 03, 14:00 - 16:00**	Noelle Warkentin and Richard Frank	Hidden in Plain Sight: Using Contact Information to Identify Sex Trafficking in Online Advertisements
		Dhwani Jakhaiya and Maunendra Desarkar	Analyzing the Dynamics of Hate Speech on Online Platforms
		Mayor Inna Gurung, Nitin Agarwal and Ahmed Al-Taweel	Are Narratives Contagious? Modeling Narrative Diffusion Using Epidemiological Theories
		Frank Guldstrand, Sandra Lindström, Linn Mattsson and Jonatan Westman	A Longitudinal Network Analysis of the Space Sector Using International Trade Data
FOSINT	**Tue 03, 16:30 - 18:00**	Christopher Lowetz and Ian Mcculloh	Russian Invaders on the Internet's Front Page – A Survey of Behaviors in Ukraine-Related Subreddits
		Ian Mcculloh, Ryan Bergamini and Charles Mackey	Echoes of War: How Reddit Narratives Shape Sectarian Views of the Israel-Hamas War
		Henna Paakki and Faeze Ghorbanpour	Computational Analysis of Communicative Acts for Understanding Crisis News Comment Discourses
FAB	**Wed 04 10:30 – 12:30**	Ying Zhao	Knowledge Graphs (KG) Assisted Variational Autoencoder (VAE) for Large-Scale Anomaly and Event Detection
		Arshpreet Buttar, Jiawei Fan and Carson Leung	A Real-Time Sentiment Feedback System: Binary Categorization and Context Understanding Based on Amazon Reviews
		Marco Roccetti, Marco Tenace and Giuseppe Cappiello	Prescient Perspectives on Football Tactics: A Case with Liverpool FC, Corners and AI
		Md Jahangir Alam, Ismail Hossain, Sai Puppala and Sajedul Talukder	Combating Echo Chambers in Online Social Network by Increasing Content Diversity In Recommendation
FAB	**Wed 04 16:00 – 17:00**	Alvaro Figueira and Bruna Rocha	Comparing Higher Education Rankings with Social Media Posting Strategies
		Murat Ucan, Buket Kaya, Mehmet Kaya and Reda Alhajj	Medical Report Generation from Medical Images Using Vision Transformer and Bart Deep Learning Architectures
HIBIBI	**Wed 04 17:00 – 18:00**	Iris Ho, Paul Anderson, Jean Davidson, Jeffrey Lotz and Theresa Migler	A Measure of the Robustness of Clusters in a Network with No Ground Truth - A Chronic Lower Back Pain Case Study
		Aya Alhajj, Zehra Bayindir, Sleiman Alhajj, Lama Alhajj, Kashfia sailunaz, Mehmet Kaya and Reda Alhajj	Predicting the Role of Temozolomide Drug in Glioma By integrating Available Genomic Databases and Computational Methods