IEEE/ACM ASONAM 2023
Message from the General Chairs

We were delighted to welcome each participant at ASONAM 2023 and thank you for having contributed in person in Kusadasi, Turkey. ASONAM 2023 was the fourteenth annual conference in the successful ASONAM conferences series and also the first hybrid version of the conference. Previous ASONAM conferences were held in Athens (2009), Odense (2010), Kaohsiung (2011), Istanbul (2012), Niagara Falls (2013), Beijing (2014), Paris (2015), San Francisco (2016), Sydney (2017), Barcelona (2018), Vancouver (2019), Virtual (2020), Virtual (2021), Istanbul (2022). The pre-pandemic locations of the conferences have enabled the participants to enjoy local sights and to engage in person-to-person interactions, making new contacts and form new scientific collaborations. These possibilities were only available in a limited form during the virtual conferences. As the covid pandemic seems to be moving towards an endemic form it was decided to have the conference in the hybrid form, as a move towards normal endemic in-person conferences.

For more than a century, social networks have been studied in a variety of disciplines including sociology, anthropology, psychology, and economics. The Internet, the social Web, and other large-scale, socio-technological infrastructures have triggered a growing interest and resulted in significant methodological advancements in social network analysis and mining. Method development in graph theory, statistics, data mining, machine learning, and AI have inspired new research problems and, in turn, opens up further possibilities for application. These spiraling trends have led to a rising prominence of social network analysis and mining methods and tools in academia, politics, security, and business.

ASONAM 2023 provided an interdisciplinary venue that brings together researchers and practitioners from a broad variety of fields forming the area of social networks and mining to promote collaborations and exchange of ideas and practices. ASONAM 2023 addressed important aspects with a specific focus on emerging trends and industry needs.

The general conference had an exciting technical program following the three distinguished keynote speakers that provide the core of a varied and interesting program of talks, poster presentations and workshops covering the areas:

1. **Techniques**: Data collection and quality, Big data and scalability, Deep learning and embeddings, Statistical learning, Algorithms and techniques, Visualization, Modeling and simulation, Explainable network analysis.

2. **Problems**: Centrality and roles, Community detection, Link prediction, Information diffusion, Influence propagation, Anomaly detection, Network macro structures, Network evolution, Emergence, Privacy and security, Collective behavior, Crowd sourcing, Social Recommender Systems, Misinformation and Misbehavior Analysis and Detection, Reputation and Trust in Social Networks, Fairness Bias and Transparency in Social Media.

3. **Application domains**: Attributed networks, Online and offline social networks, Multirelational, multidimensional, multi-aspect, multilayer networks, Feature-rich networks, Time-evolving networks, Probabilistic networks, Semantic networks, Social geography and spatial Networks, Social, cultural, and cyber anthropology, Policy impact and analysis, Networks in biology and ecology, Digital Humanities.

The organizing and managing of the conference required dedication and hard work by the organizers. We are extremely grateful for the dedicated work of the following Organizing Committee members:

Program Committee Chairs: B. Aditya Prakash, Dong Wang, Tim Weninger

Industry Track Chairs: Prantik Bhattacharyya, Wei Chen

Multidisciplinary Track Chairs: El Habib Nfaoui, Giancarlo Ragozini, Reza Zafarani

PhD Forum and Posters Track Chairs: Hanane Grissette, Mohamed Bouguessa, Omair Shafiq

Demos and Exhibitions Chairs: Keivan Kianmehr, Tansel Ozyer

Workshops Chairs: Francesca Spezzano, I-Hsien Ting, Radosław Michalski

Tutorial Chairs: Andrea Tagarelli, Michalis Faloutsos, Tanmoy Chakraborty

Sponsorship Chairs: Jalal Kawash, Mehmet Kaya, Peter Peng

Publicity Chairs: Kashfia Sailunaz

Publication Chairs: Min-Yuh Day, Panagiotis Karampelas

Registration Chairs: Jalal Kawash, Mehmet Kaya

Web Chair: Tansel Ozyer

We would like to thank all authors reviewers, committee members and tracks and workshop organizers for their valuable contributions to the success of this conference.

ASONAM 2023 General Chairs

Brahim Ouhbi, Moulay Ismail University, Morocco
Jon Rokne, University of Calgary, Canada
Nitin Agarwal, University of Arkansas at Little Rock, USA