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IEEE/ACM ASONAM 2022
Message from the General Chairs

The initial announcement for the fourteenth ASONAM Conference invited the submission of research papers and special sessions proposals to the Social Networks Analysis and Mining (ASONAM 2022), Hague, Netherlands / 3-6 August 2022. However, the coronavirus epidemic is still affecting every human activity that included gatherings of people and travel is still limited for international conferences for many researchers. It was therefore decided to move the conference to a blended conference later in the 2022 and change the conference to a hybrid in-person conference and on-line conference at a different location. The final announcement was therefore ASONAM 2022-The 2022 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining 10-13 November 2022, Istanbul and Virtual on Zoom.

We were delighted to welcome each participant at ASONAM 2022 and thank you for having contributed virtually or in person in Istanbul. ASONAM 2022 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). 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 2022 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 2022 addressed important aspects with a specific focus on emerging trends and industry needs.

There were three keynote speakers: Taha Yasseri discussed how crowdsourcing can rescue the social marketplace of ideas and what are the common pitfalls. Juergen Pfeffer discussed challenges and possible solutions for using social media data to study human behavior. The third talk by Nitin Agarwal discussed socio-computational approaches to characterize multiplatform influence campaigns to strengthen socio-cognitive security and demonstrates how technology can help bridge science, society, and policy making.

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: Jisun AN, Chelmis Charalampos, Walid Magdy

Industry-Track Chairs: Masaomi KIMURA, Faraz Zaidi, Jiabin Zhao

Workshops Chairs: Mayank Kejriwal, I-Hsien Ting, Giacomo Vaccario

Tutorial Chairs: Carmela Comito, Hakim Hacid, Radu Marculescu

Multidisciplinary Track Chairs: Candice Lanius, Sandra Mitrovic, Chris J. Kuhlman

PhD Forum and Posters Track Chairs: Elio Masciari, Deqing Yang

Demos and Exhibitions Chairs: Keivan Kianmehr, Tansel Ozyer,

Sponsorship Chairs: Thirimachos Bourlai, Jalal Kawash, Mehmet Kaya, Peter Peng,

Publicity Chairs: Hafzullah İŞ, Buket Kaya, 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 2022 General Chairs

Nitin Agarwal, University of Arkansas at Little Rock, USA
Zongmin Ma, Nanjing University of Aeronautics and Astronautics, China
Jon Rokne, University of Calgary, Canada