



# CALL FOR PAPERS

## Social Network Analysis and Computational Social Science Track

We invite research contributions to the Social Network Analysis and Computational Social Science track at the 26th World Wide Web Conference (WWW), to be held April 3-7, 2017 in Perth, Australia (<http://www2017.com.au>).

We invite original submissions addressing all aspects of computational social science, social networks, and graph analysis. Social networks and social media have lowered the barrier to produce and consume online information by enabling new links between people, objects, information, and services. Data now collected about our online and offline actions — from what we say, to where we go, to whom we interact with — has created an unprecedented opportunity to address both new and longstanding questions in sociology, political science, economics, psychology, and beyond.

We encourage submissions in all areas of social network analysis and computational social science, broadly taken to mean work that integrates ideas from computer science and the social sciences. This track explicitly includes analysis of social networks and social media to better understand how these systems work and how people use them, as well as designing and developing theories, algorithms, and techniques to make these systems more effective.

### Example topics of interest include, but are not limited to:

- Analysis of online data for social science applications
- Algorithmic fairness and bias correction
- Algorithms for graph reconstruction and network inference
- Algorithms for graph streams
- Analysis of heterogeneous, signed, and labelled networks
- Centrality and ranking in social networks
- Graph partitioning and community discovery
- Ethical issues in data analysis
- Influence propagation and information diffusion
- Link prediction
- Location-aware social networks and mobility
- New models and algorithms for social network analysis
- Privacy-preserving mining of social networks
- Representation and compression of graphs and social networks
- Sampling and evaluation issues in graph algorithms
- Social media analysis
- Social mining, social search, and social recommendation systems
- Social reputation and trust management
- Spectral graph analysis
- Temporal evolution and dynamics of online social networks
- Theoretical analysis of graph algorithms and models for social networks

### Track Chairs:

Contact: [social-networks-www-2017@googlegroups.com](mailto:social-networks-www-2017@googlegroups.com)

- Lada Adamic (Facebook)
- Sharad Goel (Stanford)
- Jennifer Neville (Purdue)