

## Call for papers: “Diffusion of Information and Influence in Social Networks”

### Description

It is our pleasure to invite you to submit your work to the Special Issue of Social Network Analysis and Mining journal (SNAM), entitled “*Diffusion of Information and Influence in Social Networks*”.

The digital era creates new possibilities for observing humans’ behavior, especially the one expressed on the Internet, but we also leave traces during everyday activity by making phone calls, using GPS devices or using any kind of transportation. People who meet together or communicate over the Internet or other channels constantly exchange information, rumors, spread opinions and attitudes. Sometimes it is just an information that is being passed from one to another, but it may also become the beginning of a huge change, either of an individual or even of the whole society – but in both cases it starts with becoming influenced or influencing others. Social influence is the process of a complex nature which involves our location in social network, the network structure and dynamics, time and psychological and sociological factors. At the level of an individual it is rather a psychological process but at the network scale it is strongly dependent on the network structure and its dynamics. Hence, studying social influence is a challenging interdisciplinary task, which, if succeeded, leads to better understanding of the surrounding world.

This Special Issue aims to gather researchers studying the phenomenon of social influence in networks and it is intended to be a cross-domain knowledge exchange. That is why we are willing to present the state of the art and current research in this area from different perspectives: computer science, physics, sociology, as well as mathematics or psychology, making this issue interdisciplinary. We believe that only by taking the advantage of all the above mentioned fields it is possible to move forward in understanding how this complex works and how the society may benefit from understanding it better.

### Topics of Interest

The scope of this Special Issue includes, but is not limited to the following:

- diffusion of information and innovations
- social influence
- influence maximization
- graphical voter models
- evolutionary graph theory
- epidemic models on graphs
- data-driven approaches
- temporal networks
- seeding strategies
- optimization of dynamic processes in networks

### Important Dates

Submission deadline: 9<sup>th</sup> August 2015

First round decision: end of November 2015 (previously: 30 September 2015)

Expected publication: 2016

Articles reporting original and unpublished research results pertaining to the above topics are solicited. Submitted articles will follow an academic review process. Manuscripts must be prepared according to the instruction for authors available at the journal webpage and submitted through publisher's online submission system. Please note: when submitting, please choose correct special issue, i.e. **"S.I.: Diffusion and Influence in Social Networks"**.

**Journal website:**

<http://www.springer.com/computer/database+management+%26+information+retrieval/journal/13278>

**Submission system website:**

<https://www.editorialmanager.com/snam/default.aspx>

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<https://www.editorialmanager.com/snam/default.aspx>

**This CFP online as a PDF/txt file:**

<http://www.ii.pwr.edu.pl/~michalski/CFP/SNAM-SI-Diffusion-CFP.pdf>

<http://www.ii.pwr.edu.pl/~michalski/CFP/SNAM-SI-Diffusion-CFP.txt>

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