INVITED SESSION SUMMARY

Title of Session: Social media analysis and mining

Name, Title and Affiliation of Chair:
Dr. Clara Pizzuti
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Details of Session (including aim and scope):

The fast development and spread of social media in the last few years has allowed people to share and exchange information. Microblogging services and social networks, such as Twitter, Facebook, Instagram, Tumblr, etc., are nowadays used by millions of users all over the world.
Every day these services originate a deluge of user-generated contents, containing personal information and opinions on a variety of topics. These contents different from traditional data, and need new computational approaches for representing, analyzing, and extracting useful pattern from them.
The availability of huge network-structured data, such as social, citation, mobile, terrorism, gene/protein/metabolic networks provides great opportunities to understand complex systems and the evolution of their behaviour when the time component is present.

This session aims to bring together researchers and practitioners from social network and media analysis and mining to provide a forum for discussion on new research directions and applications in this fields.
Topics of interest include, but are not limited to:
- Community structure analysis and detection in social networks;
- Evolution and dynamics of social networks;
- Temporal analysis of networks;
- Applications of social network and media analysis and mining;
- Propagation and diffusion of information in complex networks;
- Modelling and analysis of multidimensional, multimode, and temporal networks;
- Anomaly detection in networks;
- Link prediction;
- Topics and trends extraction;
- Modelling of user behaviour and interaction;
- Recommendation systems
- Privacy and security in social networks;
- Visual representation of dynamic social networks;
- Complex network analysis in social and political science;
- Social media analysis for disease surveillance and health intelligence.

Main Contributing Researchers / Research Centres (tentative, if known at this stage):

Website URL of Call for Papers (if any):

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