



SPAN 2015

The Second International Workshop on Sensor, Peer-to-peer and Social
Networks

ICNC 2015

<http://www.conf-icnc.org/2015/>

Anaheim, CA, USA

February 16th, 2015

SPAN 2015

The Second International Workshop on Sensor, Peer-to-peer and Social Networks, ICNC 2015

In conjunction with

The 2015 International Conference on Computing, Networking and Communications
ICNC 2015, Anaheim, CA, USA, February 16-19, 2015

Workshop Date: Monday, February 16th, 2015

<http://www.conf-icnc.org/2015/>

Workshop Paper Submission Link: <http://edas.info/N18165>

Workshop Scope

SPAN 2015 aims to attract attention from the research community to the interplay of algorithmic tools and techniques in the collective fields of *Sensor*, *P2P* and *Social Networks*. Smart, wireless, networked sensors will soon be all around us, collectively processing vast amounts of previously unrecorded data to help run factories, optimize farming, monitor the weather and myriad other applications. It is clear that wireless sensor networks will become as important as the Internet, capable of routing application-specific data across a wireless mesh, ad hoc peer-to-peer network in which they organize themselves and assist each other in transmitting data. These advances made in the area of *sensor* networks will naturally have a profound impact on our understanding and operation of *traditional* Peer-to-peer (*P2P*) systems which are widely used in today's Internet. The confluence of ideas driving sensor and P2P systems is expected to be intensified by *social* networks. By attracting more than half a billion users worldwide, social networks provide a new venue of innovation with many challenging and practical research problems. In particular, as time evolves, P2P and future sensor network applications will necessarily need to involve social information to enhance the user's experience.

SPAN 2015, aptly named for its goal, is organized with the objective of bringing together researchers working on the *intersection* of Sensor, Peer-to-Peer (P2P), and Social Networks to present and discuss their latest research results and ideas, thereby promoting the development and **SPANNing** the evolution of this combined body of knowledge. All submissions enabling cross-pollination of ideas on P2P, Sensor and Social Networks related to design, simulation, security, analysis and measurement are welcome. We highly encourage novel and innovative previously unpublished work, even reporting work in early stages. Topics revolve around the interplay of algorithms, tools and techniques applicable in sensor, p2p and social networks and include, but are not limited to:

- Social network analysis techniques applied to P2P, Sensor and distributed computing systems
- Socially informed Sensor/P2P infrastructures
- Social Network-inspired systems and designs for P2P and Sensor
- P2P and Sensor Network-based social networking architectures
- Socially Aware Sensor/P2P Overlay architectures and topologies
- Evolution of P2P and social communities and systems
- Reputation, incentives, and economics in P2P/Sensor/Social systems
- Mobile P2P and social networking systems
- User behavior analysis and modeling in Social Networks and applications to P2P and Sensor networks
- Decentralized Social Networks Applications
- Graph theoretic analysis of Sensor, P2P and Social networks
- Security, privacy and anonymity issues in SPAN
- Policy enforcement, participation incentives, trust, and reputation
- Cooperation, incentives, and fairness in SPAN.
- P2P, sensor and social network economics

Papers accepted for the SPAN 2015 workshop will be, after being presented onsite at the workshop, included in the proceedings to be submitted for publication in IEEE Xplore and indexing by EI Compendex.

Important Dates:

When:	Feb. 16 th , 2015
Where:	Anaheim, CA, USA
Submission Deadline:	July 31, 2014
Notification Due:	September 30, 2014
Final/Camera-Ready Version Due:	October 20, 2014

Organizing Committee:

- ✓ Narasimha Shashidhar, Sam Houston State University, Huntsville, TX, USA karpoor@shsu.edu
- ✓ Lei Chen, Sam Houston State University, Huntsville, TX, USA chen@shsu.edu

Tentative List of Technical Program Committee (TPC) Members

- ✓ Dr. Ming Yang, Montclair State University
- ✓ Dr. Shaoen Wu, Southern Mississippi University
- ✓ Dr. Yiming Ji, University of South Carolina Beaufort
- ✓ Dr. Shengli Yuan, University of Houston-Downtown
- ✓ Dr. Yuan Feng, Ocean University of China
- ✓ Dr. Feng Hong, Ocean University of China
- ✓ Dr. Peter Cooper, Sam Houston State University
- ✓ Dr. Rakesh Verma, University of Houston
- ✓ Dr. Qingzhong Liu, Sam Houston State University
- ✓ Dr. Chadi Kari, Bridgewater State University

Submission Guidelines

Papers must be submitted electronically in PDF format via the SPAN 2014 Workshop portal on the EDAS paper processing submission website. IEEE templates for LaTeX and Microsoft Word, as well as related information, can be found at the IEEE Digital Toolbox web page. Authors are encouraged to submit full papers describing original, previously unpublished, complete research, not currently under review by another workshop, conference or journal, addressing state-of-the-art research and development in all areas of Sensor/P2P and Social Networks. The organizing committee of ICNC reserves the right to not review papers that either exceed the length specification or have been submitted or published elsewhere. Papers should be submitted as PDF files, using the IEEE Computer Society proceedings format (two column, 10 point, single-spaced, US Letter, no margin smaller than one inch). The maximum length of the papers should be 5 pages including tables and figures with up to 2 over-length pages. Extra pages are charged \$150 per over-length page. Each submission will receive at least three independent blind reviews from the TPC. All submissions will be evaluated using a double-blind review process. To ensure blind reviewing, papers should be anonymized by removing author names and affiliations, as well as by masking any information about projects and bibliographic references, etc. that might reveal the authors' identities. Papers that are not properly anonymized will be rejected without review. Submitted papers should describe original and previously unpublished research and are not allowed to be simultaneously submitted or under review elsewhere. Specifically, all paper submissions will receive between 3 and 5 reviews each; while all papers will receive at least 3 reviews, papers of sufficient quality will undergo a second reviewing phase. To be published in the conference proceedings and IEEE Xplore, an author of an accepted paper is required to register for the workshop at the full (member or non-member) rate and the paper must be presented at the workshop. Non-refundable registration fees must be paid prior to uploading the final IEEE formatted, publication-ready version of the paper. For authors with multiple accepted papers, one full registration is valid for up to 2 papers.

Author Instructions

Please follow the author guidelines at <http://www.conf-icnc.org/2015/>
Workshop papers should be submitted via EDAS at the workshop page: <http://edas.info/N18165>
If you have any questions or concerns, please write to us at karpoor@shsu.edu or chen@shsu.edu.

Contact Information for Workshop Organizers:

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The format for the workshop, accepted papers and the invited speaker will be announced soon. Please let us know if you need any further information from us. We look forward to your contributions!