GlobalSIP 2013

IEEE Global Conference on Signal and Information Processing

Information Processing over Networks

www.ieeeglobalsip.org/sym/13/IPN

December 3-5, 2013 • Austin, Texas, U.S.A.

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Call for Papers

The symposium is focused on advances in network science and on contributions to the broad field of signal and information processing over graphs. Graphical models are prevalent in modern science and they help model various forms of interactions over complex networks, such as biological and social networks, and over engineered networks such as power grids and transportation and communications networks. In many instances, especially over networks encountered in nature, it is common for emergent behavior to emerge from the interactions among individual agents of limited capabilities as happens, for example, with fish schooling or bird flight formations. Research efforts to decipher the intricacies of complex networks have been progressing almost independently across several disciplines including system science, life sciences, social sciences, and computer science. There are ample opportunities for cross-disciplinary interactions and collaborations in order to understand and reverse-engineer the decentralized intelligence encountered in socio-economic-biological networks. This call for papers encourages submissions from a broad range of experts that study fundamental questions related to the problems of distributed inference, adaptation, learning, optimization, control, and information processing over graphs. Works that model and study self-organized and complex behavior encountered in nature and in the social and economic sciences are also welcome.

Topics of interest include:

- Advances in network science
- Bio-inspired distributed processing
- Biological networks
- Distributed adaptation
- Distributed control mechanisms
- Distributed detection and inference
- Distributed estimation and filtering
- Distributed game-theoretic strategies
- Distributed information processing
- Distributed learning
- Distributed optimization
- Graphical models
- Signal processing over graphs
- Social networks
- Random graph representations
- Sparse graph representations

Paper Submission

Paper submission will be online only through the GlobalSIP 2013 website. Papers should be in IEEE two-column format and no longer than 4 pages.

Symposia Website

Full details, new updates, and submission instructions can be found on the symposia website, http://www.ieeeglobalsip.org/sym/13/IPN

Important Dates	
Paper Submission Deadline	June 15, 2013
Review Results Announce	July 30, 2013
Camera-Ready Papers Due	September 7, 2013

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