GlobalSIP 2013

IEEE Global Conference on Signal and Information Processing

Graph Signal Processing

www.ieeeglobalsip.org/sym/13/GSP

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

Organizing Committee

General Chair
Antonio Ortega
University of Southern California

Technical Program Chair
Michael Rabbat
McGill University

Call for Papers

Applications ranging from the emerging smart grid to social networks, from neuroscience to transportation and telecommunication network monitoring, are giving rise to massive data sets where the data is naturally supported on a graph. In these scenarios the data associated to nodes in the graph can be viewed as a "graph signal" and it is natural to ask whether signal processing techniques and methodologies could be used for dealing with these graph signals. Graph signal processing focuses on the interplay between the graph topology and characteristics of the corresponding signals. The aim of this symposium is to bring together researchers working in the emerging field of graph signal processing to exchange ideas and present their latest results. The symposium will also serve as a forum for researchers in the signal processing community interested in learning about the latest developments in this field.

Topics of interest include:

- Transforms for graph signals
- Estimation, denoising, and compression for graph signals
- Sparse representations of graph signals
- Multi-scale analysis on graphs
- Graph signal downsampling and simplification
- Uncertainty principles for graph signals
- Estimating graph structure from data point-clouds
- Graph signal processing in machine learning
- Applications of graph signal processing

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/GSP

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

IEEE

IEEE Signal Processing Society