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<http://www.smc2016.org/>

Special Session Call for Papers SMC2016 Special Session on Matrix Analysis and Feature Learning for Multimedia Understanding

Special Session organizer

Introduction/Call for Papers

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Matrix analysis and feature learning have important applications in natural sciences, medicine, economics, engineering as well as in industry. The research of matrix analysis and feature learning plays important roles in dimension reduction, spectral analysis, manifold learning, kernel machines, sparse coding, pattern recognition etc. In recent years, the matrix analysis and feature learning present new research opportunities to large scale multimedia data, e.g. large scale face recognition, intelligent visual surveillance, web-scale image retrieval/annotation /classification, massive object recognition etc. As a consequence, matrix analysis and feature learning are never-ending resilience fields and attract growing efforts from different fields.

Co-organizer(s):

This special session hunts for original research results for *Matrix Analysis and Feature Learning for Multimedia Understanding*. The goals of this special session are twofold: 1) developing matrix analysis and feature learning algorithms to target specific applications in multimedia understanding and large-scale visual data analytics and 2) defining novel large-scale multimedia data driven applications, which can be cleared up by conventional matrix analysis and feature learning algorithms.

Dr. Jun Yu

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Indicative Topics/Areas

Manuscripts are solicited to address a wide range of topics in matrix analysis, feature learning, and multimedia understanding, but not limit to the following:

Extension of traditional matrix analysis and feature learning, multiview dimension reduction, spectral analysis, matrix analysis and feature learning for manifold learning, kernel machines and tensor machines, matrix and tensor analysis for biometrics, matrix and tensor analysis for web-scale multimedia information retrieval, video surveillance, sparse analysis, deep learning, etc.

Dr. Weifeng Liu

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Important Dates

April 15, 2016: Deadline for submission of full-length papers to special sessions.

May 25, 2016: Acceptance/Rejection Notification.

July 9, 2016: Final camera-ready papers due in electronic form.

Dr. Yicong Zhou

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Submission

Manuscripts for a Special Session should **NOT** be submitted in duplication to any other regular or special sessions and should be submitted to SMC 2016 main conference online submission system on SMC 2016 conference website.

All submitted papers of Special Sessions have to undergo the same review process (three completed reviews per paper). The technical reviewers for each Special Session paper will be members of the SMC 2016 Program Committee and qualified peer-reviewers to be nominated by the Special Session organizers.

Organized by IEEE SMC TC on Cognitive Computing