SIAM

conference on
Imaging Science

June 5-8, 2018
Bologna - Italy

SIAM IS18

The SIAM Activity Group on Imaging Science (SIAG/IS) and the Bologna Committee for IS Conference 2018 (BCIS18) are organizing the biennial SIAM Conference on Imaging Science, one of the flagship events in imaging science and mathematical aspects of imaging. The four days of the meeting will highlight the community latest achievements in research and educationachievements in the community, and commercial ehibits will display current softwear and service in industry. Topics include, but are not limited to: image analysis, inverse problems in imaging, compressed sensing, optimization methods in imaging, convex and non convex modeling and aptimization in imaging restoration an reconstruction, nuemrical linear algebra in imaging, scale-space methods, level sets methods, PDEs in image processing, statistical methods, optical flow, motion estimation, registration, shape from, inprinting, color enhancement, selection of salient scale, feature analysis, mathematics of novel imaging methods, medical imaging, Bayesan methods, tomography, machine learning.

Invited Speakers

Minitutorials
John Bardsley, The University of Montana, MT, USA
Gabriele Facciolo, École Normale Supérieure ParisSaclay, France
with **Carlo de Franchis** *École Normale Supérieure ParisSaclay, France*
and **Enric Meinhardtllopis** *École Normale Supérieure ParisSaclay, France*
Otmar Scherzer, Universität Wien, Austria

Plenary Presentations
Francis Bach, École Normale Supérieure Paris, France
Raymond H. Chan, The Chinese University of Hong Kong, China
Yonina Eldar, Technion - Israel Institute of Technology, Israel
Clarisse Mandridake, SURYS group, BussySaintGeorges, France
Anna Michalak, Carnegie Institution for Science, CA USA
Christoph Schnörr, Univesität Heidelberg, Germany

Committees

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The University of Texas at Austin, USA
Fiorella Sgallari
Università di Bologna, Italy

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Carola Schönlieb
University of Cambridge, UK

Gabriele Steidl
TU Kaiserslautern, Germany

Xue-Cheng Tai
Hong Kong Baptist University, China

Laura Waller
UC Berkeley, CA, USA

Brendt Wohlberg
LANL, NM, USA

IS18 Best Poster Award and IS18 Best Challenging Application Award (among posters and mini symposia), with cash prizes, will be assigned to two participants.

www.siam-is18.dm.unibo.it

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ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA DIPARTIMENTO DI MATEMATICA
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