



Date

July 5-10, 2014

Place

Xidian University
Xi'an, P.R. China

Registration

Regular, ¥1800
Student, ¥900

Workshop Organizers:

Zhi-Quan Luo

University of Minnesota

Hongwei Liu

Xidian University

Jiandong Li

Xidian University

Ming Jiang

Peking University

Yu-Guang Shi

Peking University

Yu-Hong Dai

Chinese Academy of Sciences

Jian-Guo Huang

Northwestern Polytechnic University

Kehu Yang

Xidian University

Local Organizers:

Yuan-Yuan Zuo

Xidian University

Hongxin Tian

Xidian University

Lin-Rang Zhang

Xidian University

Bo Chen

Xidian University

Qing Xu

Xidian University

Sponsors



National Lab of Radar Signal Processing,
Xidian University



State Key Laboratory of Integrated Services Network



Major Project "Key Mathematical Issues in
Information processing", NSFC



Center for Optimization and Applications, CAS

In recent years there has been a surge of research in the interfaces between mathematical optimization, statistics, information theory, data mining, signal processing, bioinformatics and wireless communication, leading to new powerful mathematical techniques as well as efficient algorithms for important applications and massive data in information sciences. The 2014 MIIS workshop, the third of its kind following the highly successful MIIS2012 and MIIS2013 workshops, will bring together leading researchers in signal processing, communications and optimization from academia, industry and government, and showcase recent cutting-edge results. It offers exciting tutorials and opportunities to interact with leading experts from top world-wide research institutes on diverse topics.

Topics Include Mathematical and Algorithmic Issues in

- ☆ Signal processing
- ☆ Communications and networking
- ☆ Optimization, statistics and deep learning
- ☆ Applications in radar, bioinformatics, pattern recognition, and more

Tutorial Speakers (July 5-6, 2014, in alphabetical order by surname)

- ✚ Eli Brookner, Raytheon, USA
- ✚ Frederick E. Daum, Raytheon, USA
- ✚ Li Deng, Microsoft Research, Redmond, USA
- ✚ Branko Ristic, DSTO, Australia

Single Track Speakers (July 7-10, 2014, in alphabetical order by surname)

- ◆ Li Deng, Microsoft Research, Redmond, USA
- ◆ Yonina C. Eldar, Technion, Israel
- ◆ Wen Hong, Institute of Electronics, CAS, China
- ◆ Hongbin Li, Stevens Institute of Technology, USA
- ◆ Weiping Li, University of Science and Technology of China
- ◆ Lek-heng Lim, University of Chicago, USA
- ◆ Zhiquan Luo, University of Minnesota, USA
- ◆ Antonio De Maio, University of Naples, Italy
- ◆ Arye Nehorai, Washington University in St. Louis, USA
- ◆ Athina P. Petropulu, Rutgers University, USA
- ◆ Branko Ristic, DSTO, Australia
- ◆ Pramod Varshney, Syracuse University, USA
- ◆ Kon Max Wong, McMaster University, Canada
- ◆ Xianggen Xia, University of Delaware, USA
- ◆ Hongyuan Zha, Georgia Institute of Technology, USA
- ◆ Tong Zhang, Rutgers University, USA

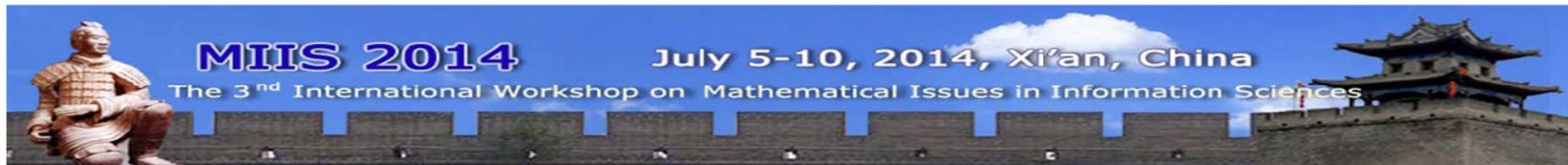
Contact us

Ronggang Cheng and Bo Chen

Email: 2014MIIS@gmail.com; Phone: (029) 8820 2260 or 136 1920 3404

Workshop Website: <http://www.miis2014.com>

Space is limited, go to the workshop website and register now!!!



Eli Brookner
Raytheon, USA
IEEE Life Fellow
Title: Amazing Advance Future Trends in Phased-Arrays and Radar
MIMO Radar—Demystified and Where it Makes Sense



Frederick E. Daum
Raytheon, USA
IEEE Fellow
Title: Particle Flow for Nonlinear Filters, Bayesian Decisions and Transport



Li Deng
Microsoft Research, Redmond, USA
IEEE Fellow
Title: Recent Advances in Deep Learning for Speech, Vision, and Language
Deep Learning: From Speech Recognition to Language Processing



Yonina C. Eldar
Technion, Israel
IEEE Fellow
Title: Sparse Signal Recovery from Nonlinear Measurements



Wen Hong
The Institute of Electronics, Chinese Academy of Sciences, China
Title: Multidimensional Space Joint-Observation SAR for Complicated Media
Imaging



Hongbin Li
Stevens Institute of Technology, USA
Title: Signal Processing for MIMO Radar



Weiping Li
University of Science and Technology, China
IEEE Fellow
Title: SVC or Not SVC, That IS the Question



Lek-Heng Lim
University of Chicago, USA
Title: Learning Subspaces of Different Dimensions



Zhiquan Luo
University of Minnesota, USA
IEEE Fellow, SIAM Fellow
Title: Efficient Optimization Algorithms for Big Data Applications



Antonio De Maio
University of Naples, Italy
IEEE Fellow
Title: Cognitive Radar Signal Processing



Arye Nehorai
Washington University, USA
IEEE Fellow
Title: Computable Performance Analysis of Sparse Recovery with Applications



Athina P. Petropulu
Rutgers University, USA
IEEE Fellow
Title: MIMO Radar based on Sparse Sensing and Matrix Completion



Branko Ristic
Defence Science and Technology Organisation (DSTO), Australia
Title: Particle Filters for Random Set Models



Pramod Varshney
Syracuse University, USA
IEEE Fellow
Title: Distributed Inference in the Presence of Byzantines



Kon Max Wong
McMaster University, Canada
IEEE Life Fellow
Title: Signal Processing on a Riemannian Manifold



Xianggen Xia
University of Delaware, USA
IEEE Fellow
Title: OFDM SAR Imaging with Sufficient Cyclic Prefix



Hongyuan Zha
Georgia Institute of Technology, USA
Title: Learning and Inference of Large-Scale Event Data



Tong Zhang
Rutgers University, USA
Title: Statistical Sampling Techniques for Big Data Optimization