

Newsletter Thursday, Aug. 13, 2015

Content

1. [ICIAM Today - Thursday Recap](#)
2. [What to look for on Friday](#)
3. [Notice](#)
4. [News](#)

1. ICIAM Today – Thursday Recap

Highlights from talks:

John von Neumann Lecture

Jennifer Tour Chayes (Microsoft Research) delivered the 2015 John von Neumann Lecture, *Once upon a graph: How to get from now to then in massive networks*, in Wednesday evening. Networks are increasingly important in many aspects of our world. In the talk, Dr. Chayes showed how to use the theory of graph limits, developed over the last decade, to give consistent estimators of non-parametric models of sparse networks, and moreover how to do this in a way that protects the privacy of individuals on the network.

Public Lecture

Qingcun Zeng (Institute of Geology and Geophysics, CAS, China) delivered a public lecture, *Without Mathematics and Supercomputings, No Effective Risk Reduction of Natural Disasters*. Dr. Zeng talked on the essential role of mathematics and supercomputings in the effective reduction of natural disasters. Management of meteorological hazards consists of whole links of human activities, from the design of weather and disaster observations to numerical weather-disaster predictions and so on. Nowadays practices very clearly show that there is no effective reduction of disasters if mathematics and supercomputings are not applied.

2. What to look for on Friday

Invited Lectures

8:30-9:30

- Title: Approximate likelihoods
Room: Ballroom A
Nancy Reid, University of Toronto, Canada
Chair: Maria J. Esteban

- Title: On Lagrangian Decomposition for Energy Optimization
Room: Ballroom B
Claudia Sagastizábal, Instituto Nacional de Matemática Pura e Aplicada, Brazil
Chair: Jose A. Cuminato
- Title: Mathematical models and methods for noninvasive bioimpedance imaging
Room: Ballroom C
Jin Keun Seo, Yonsei University, Korea
Chair: Hyeonbae Kang

10:00-11:00

- Title: Applied Mathematics for Business Decision Making: The Next Frontiers
Room: Ballroom A
Karl Kempf, Intel Corporation, USA
Chair: Pingwen Zhang
- Title: Correlations: From Classical to Quantum
Room: Ballroom B
Shunlong Luo, Academy of Mathematics and Systems Science, CAS, China
Chair: Xiao-Shan Gao
- Title: Formal series and numerical integrators: some history and some new techniques
Room: Ballroom C
Jesús Sanz Serna, Universidad de Valladolid, Spain
Chair: Lloyd N Trefethen

11:10-12:10

- **(Cancelled) Gunnar Carlsson, Stanford University, USA**
- Title: Modeling, simulation and control of constrained multi physics systems
Room: Ballroom B
Volker Mehrmann, Technische Universität Berlin, Germany
Chair: Zdenek Strakos
- Title: Inference for stochastic processes in cancer evolution
Room: Ballroom C
Simon Tavaré, Cancer Research UK Cambridge Institute, UK
Chair: Ziheng Yang

Closing Ceremony will be 18:10-18:40, Friday, in Ballroom C.

3. Notice

Program Updates on Friday

Possible changes and the newest update of the Conference Program can be found on the official website: <http://www.iciam2015.cn>.

4. News

- **Call for Minisymposium Proposals: SIAM Conference on Mathematical Aspects of Materials Science, May 8-12, 2016, Philadelphia, PA, USA** (Chaired by Peter Smereka of the University of Michigan and David Srolovitz of the University of Pennsylvania). The Organizing Committee from China, Germany, Hong Kong, United Kingdom, and USA is pleased to announce our exciting line up of confirmed Plenary Speakers, including Kaushik Bhattacharya, Vasily Bulatov, Gabor Csanyi, Mikko Haataja, David Kinderlehrer, Carl E Krill III, Erica Lilleodden, John Lowengrub, Pingbing Ming, Felix Otto, Christof Schutte, Reidon Twarock and Xiao-Ping Wang. In order to promote increased collaborations between materials scientists and mathematicians, this conference will be co-sponsored by the Materials Research Society (MRS). Please see the conference website for more details: <http://www.siam.org/meetings/ms16/>.

We would like to encourage you to submit a Minisymposium proposal. Note the deadline is coming soon, 08 October 2015 - so there's no time to waste. You can find all of the details: <http://www.siam.org/meetings/ms16/submissions.php>. We look forward to your **ACTIVE** participation.