

The 23rd International Symposium on Mathematical Programming (ISMP 2018) will take place in Bordeaux, France, July 1-6, 2018. ISMP is the world congress of mathematical optimization where scientists as well as industrial researchers and users of mathematical optimization meet in order to present the most recent developments/results and to discuss new challenges from theory and practice. To illustrate the spectrum of topics, a classification attempt is reported in <https://ismp2018.sciencesconf.org/resource/page/id/4>.

Plenary, semi-plenary, and keynote speakers for ISMP2018 have been announced on the conference website along with their provisional talk titles:

<https://ismp2018.sciencesconf.org/resource/page/id/4>

Plenary Speakers

- Shabbir Ahmed (Georgia Tech, USA): Chance constrained stochastic programming
- Francis Bach (INRIA, France): The relationship between machine learning and optimization
- Monique Laurent (CWI, The Netherlands): Using conic and polynomial optimization for matrix factorizations and quantum analogues of classical graph parameters in quantum information
- Andy Philpott (Auckland, New Zealand): The intersection of stochastic programming and game theory, and their application to electricity systems
- Marc Teboulle (Tel-Aviv University, Israel): Proximal Methods for Convex and Nonconvex Optimization

Semi-Plenary Speakers

- Michel Hintermuller (Humboldt-Universität zu Berlin, Germany): Infinite dimensional constrained nonlinear optimization
- Jon Lee (University of Michigan, USA): On non-convex MINLP
- Nikolaos Sahinidis (CMU, USA): The BARON software for MINLP
- Melvyn Sim (National University of Singapore): Tractable Distributionally Robust Optimization.
- Paul Y. Tseng Memorial Lectureship in Continuous Optimization

Key-Note Speakers

- Alper Atamturk (Berkeley, USA): quadratic/conic quadratic mixed 0-1 optimization utilizing submodularity
- Michel Balinski (CNRS, France): Majority judgment
- Regina Burachik (UniSA, Australia): On Asymptotic Lagrangian duality for nonsmooth nonconvex optimization
- Emmanuel Candes (Stanford, USA): What's happening in nonconvex optimization? A couple of stories
- Patrick Combettes (North Carolina State University, USA): Monotone Operator Theory in Optimization
- Santanu Dey (Georgia Tech, USA): Theoretical Analysis of Cutting-Planes in IP Solvers.
- Maryam Fazel (University of Washington, USA): On nonconvex optimization, online algorithms, and machine learning
- Matteo Fischetti (Padova, Italy): Algorithm Implementations
- Oktay Gunluk (IBM Research, USA): Recent progress in MIP
- Tito Homem-de-Mello (Universidad Adolfo Ibanez, Chile): robust optimization and stochastic optimization
- Thomas Rothvoss (University of Washington, USA): Lower bounds on the size of linear programs
- Luis Nunes Vicente (Coimbra, Portugal): A new Hessian-free model-based method and its application to deep learning

Conference Venue

The Symposium will take place at the University of Bordeaux on the downtown campus (Place de la Victoire); while plenaries and semi-plenaries are scheduled to take place in the Symphony Hall (Auditorium) which is within a 20 minute walking distance.

Important Dates

- As early as possible: your registration on the conference website to receive any further communication on ISMP 2018. Simply select create account in the login menu on the upper right corner of the website: <https://ismp2018.sciencesconf.org/user/createaccount>
- January 3, 2018: Opening of abstract submissions
- February 1, 2018: Opening of registrations
- February 28, 2018: Abstract submission deadline
- April 15, 2018: Notification of acceptance
- April 30, 2018: Early bird registration deadline and registration deadline for presenting authors
- July 1-6, 2018: The symposium being held in Bordeaux

Details on the program and practical information will be progressively added on the conference website: <https://ismp2018.sciencesconf.org/>

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