

2009

OPTIMIZATION DAYS

May

4 – 6

Venue

HEC Montréal

3000, chemin de la Côte-Sainte-Catherine
Montréal, Canada H3T 2A7

The **Optimization Days** aim to survey theories, numerical methods, and applications of optimization. They provide researchers from around the world the opportunity to exchange and to collaborate.

We especially encourage presentations on new methods of optimization and their applications. The conference languages will be French and English.

Topics of interest include, but are not restricted to:

- **Dynamic programming and optimal control**
- **Game Theory**
- **Heuristics and metaheuristics**
- **Linear and integer programming**
- **Multicriteria decision aid**
- **Networks and graphs**
- **Non-linear programming**
- **Numerical methods**
- **Simulation**
- **Statistical methods and data mining**
- **Stochastic programming**
- **Applications in all areas, and particularly in:**
 - > **Biology**
 - > **Energy, environment and natural resources**
 - > **Financial engineering and mathematical finance**
 - > **Marketing**
 - > **Operations management**
 - > **Robotics**
 - > **Scheduling**
 - > **Telecommunications**
 - > **Transportation**

Plenary Speakers

- **RICHARD LOULOU**
GERAD & McGill University, Canada
Quick and (not so) Dirty Applications of Optimization in Large Scale Energy Models
- **BERTRAND MARESCHAL**
Université Libre de Bruxelles, Belgium
Visual Analysis of Multicriteria Decision Problems
- **SHMUEL S. OREN**
University of California at Berkeley, U.S.A.
Application of Optimization and New Optimization Challenges in Electricity Markets
- **PHILIPPE L. TOINT**
Université de Namur, Belgium
New Globalization Strategies for Nonlinear Optimization and Nonlinear Least-Squares

Tutorials

- **JONATHAN BARZILAI**
Dalhousie University, Canada
Correcting the Foundations of Decision and Game Theory
- **GILLES CAPOROSSI**
GERAD & HEC Montréal, Canada
Text Mining
- **GENEVIÈVE GAUTHIER**
GERAD & HEC Montréal, Canada
Estimation in Financial Engineering
- **MARYSE LABRIET**
Consultant, Spain
Principles and Applications of the Techno-Economic TIMES Integrated Assessment Model to Global Energy and Environmental Problems
- **PATRICK MEYER**
TELECOM Bretagne, France
The Decision Project: Towards Open Source Software Tools Implementing Multiple Criteria Decision Aid
- **ANDREAS WÄCHTER**
IBM T.J. Watson Research Center, U.S.A.
Solving Large-Scale Continuous Optimization Problems with Ipopt

BEFORE MARCH 13, 2009, please send to the organizers a 50 word abstract containing no mathematical notation. For further information, please consult:

www.gerad.ca/jopt2009

INFORMATION

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