

# 2007

# OPTIMIZATION DAYS

## May

## 7-9

Venue

## HEC Montréal

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

**Optimization days** is a meeting that aims to survey theories, numerical methods, and applications of optimization. It provides to researchers from around the world the opportunity to exchange and to collaborate on the field.

We wish to encourage particularly presentations on new methods of optimization and their applications. The languages of the conference will be French and English.

Topics of interest include, but are not restricted to:

- **constraint programming**
- **heuristics**
- **mathematical programming**
- **numerical methods of optimization**
- **optimal control theory**
- **statistical methods**
- **applications to:**
  - > **biology**
  - > **economics**
  - > **energy modeling**
  - > **engineering**
  - > **expert systems**
  - > **management science**
  - > **resource management**
  - > **robotics**
  - > **telecommunications networks**
  - > **transportation**
  - > **urban and environmental problems, etc.**

### Plenary speakers

- **CHARLES AUDET**  
GERAD & École Polytechnique de Montréal, Canada  
*Optimal Placement of Tsunami Warning Buoys Using Mesh Adaptive Direct Searches*
- **DIMITRI BERTSEKAS**  
MIT, U.S.A.  
*Convex Optimization: Old Themes and New Treatments*
- **MARTIN GROETSCHEL**  
Konrad-Zuse-Zentrum and Technical University, Berlin, Germany  
*Linear Programming and Some New Insights from Semi-Algebraic Geometry*
- **ALAIN HAURIE**  
GERAD & University of Geneva, Switzerland  
*Metamodeling: The Contribution of Large Scale Optimization to Environmental Integrated Assessment*

### Tutorials

- **GILBERT LAPORTE**  
GERAD & HEC Montréal, Canada  
*The Traveling Salesman Problem*
- **VITTORIO MANIEZZO**  
University of Bologna, Italy  
*Ant Colony Optimization: Beyond the Natural Metaphor?*
- **FRÉDÉRIC MESSINE**  
ENSEEIH-T-Institut de recherche en informatique de Toulouse, France  
*Global Optimization Based on Interval Analysis*
- **PANOS M. PARDALOS**  
University of Florida, Gainesville, U.S.A.  
*Operations Research in Medicine*
- **GEORGES ZACCOUR**  
GERAD & HEC Montréal, Canada  
*Sustaining Cooperation Over Time in Environmental Differential Games*

Please send to the organizers, **BEFORE MARCH 16, 2007**, a 50 word abstract containing no mathematical notations. For further information, please consult: [www.gerad.ca/jopt2007](http://www.gerad.ca/jopt2007)

### INFORMATION

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### ORGANIZING COMMITTEE

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