

# Workshop on Energy & Environmental Modeling

**February 1, 2007**  
**Xerox Canada Room**

**Venue**

**HEC Montréal**

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

## **PROGRAM**

**Climate Stabilization under High Uncertainty: A Study with TIAM**

**Richard Loulou, Maryse Labriet, Amit Kanudia**, GERAD, Montréal

**Modeling Market Risk on Energy Term Contracts Portfolios, with Applications to Multiple Power Hubs and Natural Gas**

**Jean-Guy Demers**, CREF, HEC Montréal

**Variational Inequality Formulations of Energy Market Models: A Decomposition Approach**

**David Fuller**, Department of Management Sciences, Waterloo University

**Environmental Taxation and the Structure of the Eco-industry**

**Alain-Désiré Nimubona**, HEC Montréal, **Maia David**, UMR INRA-INAPG Économie Publique, Paris, **Bernard Sinclair-Desgagné**, CIRANO and HEC Montréal

**Gas Transportation and Storage under a Price Cap Regulation**

**Michèle Breton, Mohammed Kharbach**, CREF/GERAD, HEC Montréal

**Towards General Equilibrium in a Technology-Rich Model with Empirically Estimated Behavioural Parameters**

**Mark Jaccard**, School of Resource and Environmental Management, Simon Fraser University

**Discriminatory versus Uniform-price Electricity Auctions with Supply Function Equilibrium**

**Talat S. Genc**, Department of Economics, Guelph University

**An Oligopolistic Electricity Model with Interdependent Market Segments**

**Pierre-Olivier Pineau**, MQG, HEC Montréal, **Georges Zaccour**, GERAD, HEC Montréal

**Eating Several Cakes of Unknown Sizes: Optimal Order**

**Murray C. Kemp**, Kobe University, Japan, **Ngo Van Long**, McGill University, Montréal

**Competition and Cooperation in Natural Resources Exploitation: An Evolutionary Game Approach**

**Gian Italo Bischi**, University of Urbino, Italy, **Fabio Lamantia**, University of Calabria, Italy, **Lucia Sbragia**, CREF, HEC Montréal

**A Dynamic Programming Approach to the Timing of Optimal Climate Policies**

**Olivier Bahn**, GERAD, HEC Montréal, **Alain Haurie**, GERAD & ORDECSYS, **Roland Malhamé**, GERAD, École Polytechnique de Montréal

**Impact of Public Disclosure Programs on Pricing, Emissions and Advertising Policies of the Firm**

**Abderrahmane Sokri**, IEA and GERAD, HEC Montréal, **Georges Zaccour**, GERAD, HEC Montréal

## **SPONSORS**

**HEC MONTRÉAL**

Centre de recherche  
en e-finance

**GERAD**

Chair in Game Theory  
and Management

## **ORGANIZERS**

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**WEB :** <http://www.gerad.ca/fichiers/activities/act0267/program.pdf>