

Sixth International ISDG Workshop, Rabat, Morocco, September 5-8, 2007

Program

Wednesday, September 5, 2007

19:00 – 21:00 Registration and Welcome reception at the Hilton Hotel

Thursday, September 6, 2007

8:00 – 8:45 Registration

8:45 – 9:00 Welcome Address

9:00 – 10:30 **Session T1, Chair: Geert Jan Olsder**

Properties and Analysis of Inverse Stackelberg Problems

Katerina Stanková and **Geert Jan Olsder**, Delft Institute of Applied Mathematics, Delft University of Technology, The Netherlands

Sustainable Growth in a Two-Country Trade Model under Different Property Rights Regimes for Natural Resources

Francisco Cabo, **Guiomar Martín-Herrán**, Universidad de Valladolid, Spain, and **María Pilar Martínez-García**, Universidad de Murcia, Spain

Effect of Learning and Uncertainty on Price Level and Volatility in a Simple Market

Walt Beyeler, **Robert J. Glass**, Sandia National Laboratory, and **Kimmo Soramäki**, Helsinki University of Technology, Finland

10:30 – 11:00 Coffee Break

11:00 – 12:30 **Session T2, Chair: Arik Melikyan**

Myopic or Not Myopic?: A Retailer's Strategic Choice

Guiomar Martín-Herrán, Universidad de Valladolid, Spain, **Sihem Taboubi** and **Georges Zaccour**, GERAD, HEC Montréal, Canada

A Bilateral Rank-Based Selection with Cardinal Payoffs and a Cost of Choice

Krzysztof Szajowski, Institute of Mathematics and Computer Science, Wrocław University of Technology, Poland

A State Constraint Differential Game Solution Using Singular Characteristics of the Bellman-Isaacs Equation

Arik Melikyan, Institute for Problems in Mechanics of the Russian Academy of Sciences, Moscow, Russia

- 12:30 – 14:00 Lunch
- 14:00 – 15:30 **Session T3, Chair: Michèle Breton**
Adaptive Control in an Interception Problem with Unknown Level of Dynamic Disturbance
S.A. Ganebny, Sergey S. Kumkov, V.S. Patsko, Institute of Mathematics and Mechanics, Ural Branch of RAS, Ekaterinburg, Russia, and **Josef Shinar**, Faculty of Aerospace Engineering, Technion Israel Institution of Technology, Haifa, Israel
- Global Stability of Unique Nash Equilibrium in Cournot Oligopoly and Rent-Seeking Game*
Koji Okuguchi, Gifu Shotoku Gakuen University, Japan and **Takeshi Yamazaki**, Niigata University, Japan
- Dynamic Models for International Environmental Agreements*
Michèle Breton and **Lucia Sbragia**, GERAD and CREF, HEC Montréal, Canada
- 15:30 – 16:00 Coffee Break
- 16:00 – 17:30 **Session T4, Chair: Leon Petrosyan**
Investment in Tourism Market and Reputation
Denis Claude and **Georges Zaccour**, GERAD, HEC Montréal, Canada
- Robust H^∞ Control of a Class of Nonlinear Uncertain Systems*
A. J. Shaiju and **Ian R. Petersen**, School of ITEE, Canberra, Australia
- Strategically Supported Cooperative Solutions*
Leon Petrosyan, Faculty of Applied Mathematics, Saint-Petersburg State University, Russia
- 17:30 – 19:00 Meeting of the Executive Committee of ISDG

Friday, September 7, 2007

- 9:00 – 10:30 **Session F1, Chair: Christophe Deissenberg**
The ‘Princess and Monster’ Game on an Interval
Steve Alpern, London School of Economics, United Kingdom,
Robbert Fokkink, Roy Lindelauf, and Geert Jan Olsder, Delft University of
Technology, The Netherlands
- A Competitive Multi-Agent Model of Interbank Payment Systems*
Marco Galbiati, Bank of England, United Kingdom, and **Kimmo Soramäki**,
Helsinki University of Technology, Finland
- On the Role of Policy Announcements in the Presence of Adaptive Agents:
Insights from Local and Global Analysis*
Herbert Dawid, University of Bielefeld, Germany, and
Christophe Deissenberg, GREQAM, Université de la Méditerranée, France
- 10:30 – 11:00 Coffee Break
- 11:00 – 12:30 **Session F2, Chair: Georges Zaccour**
*Uncoupling Isaacs Equations in Two-Player Nonzero-Sum Differential Games.
Parental Conflict over Care as an Example.*
Frédéric Hamelin and **Pierre Bernhard**, CNRS and University of Nice, Sophia
Antipolis, France
- A Pragmatic Approach to Designing Market Driven Business Games for the
Purpose of Developing Management Skills*
Daniel Tixier, Fast Moving Consumer Goods Chair, ESSEC Business School
Paris, France
- Communication leading to Nash equilibrium through robust messages: p-Belief
system*
Takashi Matsuhisa, Department of Liberal Arts and Sciences, Ibaraki National
College of Technology, Japan
- 12:30 – 14:00 Lunch
- 14:00 – 15:30 **Session F3, Chair: Stéphane Le Méneç**
Fault Tolerant Bayesian Implementation in Exchange Economies
Ahmed Doghmi and **Abderrahmane Ziad**, Centre de Recherche en Économie et
Management, Université de Caen, France
- Multiplayer Pursuit Evasion Strategies based on Two Players Linear Differential
Game Solutions*
Stéphane Le Méneç, MBDA-F, France
- A Mechanism Design for Business-to-Business Exchange*
Nikolay Zenkevich, Graduate School of Management, Saint-Petersburg State
University, Russia

15:30 – 16:00 Coffee Break

16:00 – 17:30 **Session F4, Chair: Fouad El Ouardighi**

Environmental Policy and Mergers in Polluting Oligopolies

Hassan Benchenkroun, McGill University, Montréal, Canada

Amrita Ray Chaudhuri, McGill University, Montréal, Canada and Tilburg University, The Netherlands

Electricity Prices in a Game Theory Context

Mireille Bossy, **Odile Pourtallier**, **Etienne Tanré**, INRIA, France, **Nadia Maïzi**, École des Mines de Paris, France, **Geert Jan Olsder**, Delft University of Technology, The Netherlands

Optimal Cooperation and Trust over Time

Fouad El Ouardighi, Logistics, Production and Service Department, ESSEC Business School, France, and **Abderrahmane Alj**, École Nationale de Statistique et d'Économie Appliquée, Rabat, Morocco

Saturday, September 8, 2007

Social Program

Morning: Visit of prehistoric and historical sites

Lunch on the beach

Afternoon: Médina Tour (old city)