

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

## Program

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### 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  $H^\infty$  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)