

SECTION 2

AGENT-BASED MODELING OF ECONOMIC SYSTEM

Room 2416

Chair: Professor *Scarlat Emil* PhD
Professor *Mărăcine Virginia* PhD
Professor *Mihăiță Nicolae* PhD
Academy of Economic Studies, Bucharest, Romania

Secretary: Economist *Rusu Mihai Silviu*, PhD student
General Inspectorate of Romanian Police, Bucharest

Thursday, April 22, 2004, 11:30-13:30

- 11:30-11:40** **1. Agent-Based Modeling for Virtual Company Designing**
Authors: Professor *Scarlat Emil* PhD
Professor *Mărăcine Virginia* PhD
Academy of Economic Studies, Bucharest, Romania
- 11:40-11:50** **2. Analytical Paradigm and Holistic Paradigm Interaction. A Theoretical Framework and Application**
Author: Professor *Mihăiță Nicolae* PhD
Department of Economic Statistics and Forecast
Academy of Economic Studies, Bucharest, Romania
- 11:50-12:00** **3. From the Reductionist Viewpoint of a Representative Agent to Dynamics Induced by Heterogeneous Interacting Agents**
Authors: Professor *Georgescu Vasile* PhD
Assistant Professor *Buligiu Ion*
University of Craiova, Romania
- 12:00-12:10** **4. The Potential of Soft Computing Methods to Capture Nonlinear Characteristics when Modeling Economic Processes**
Author: Professor *Georgescu Vasile* PhD
University of Craiova, Romania
- 12:10-12:20** **5. Optimizing the Finance of Collective Consumption using Evolutionary Computation**
Authors: Assistant Professor *Șerbu Simona Gabriela* PhD Student
Lecturer *Diana Andrada Filip* PhD
Assistant Professor *Cleciu Voica Adriana* PhD Student
Lung Rodica Ioana PhD Student
„Babes Bolyai” University of Cluj, Romania
- 12:20-12:30** **6. Building Custom HTML Forms with ASP for Small Businesses**
Author: Lecturer *Cârstea Claudia* PhD Student
“George Barițiu” University, Brașov, Romania
- 12:30-12:40** **7. Publishing Datasheets to the Web in Access**
Author: Lecturer *Cârstea Claudia* PhD Student
“George Barițiu” University, Brașov, Romania
- 12:40-12:50** **8. E-Business Process and Cultural Challenges**
Author: Lecturer *Lenghel Emilia* PhD Student
“Spiru Haret” University, Bucharest, Romania
- 12:50-13:00** **9. Numerical Methods for The Study of Loans Reimbursement**
Authors: Professor *Muresan S. Anton* PhD
Senior Lecturer *Mihoc Maria* PhD
Lecturer *Diana Andrada Filip* PhD
Assistant Professor *Voichita Adriana Cleciu* PhD Student
Assistant Professor *Alin Roșca*
„Babes Bolyai” University of Cluj, Romania

- 13:00-13:10** **10. Statistics' Role in the European Integration Process**
Authors: Lecturer **Balu Mariana** PhD
Assistant Professor **Crăciunaș Diana** PhD Student
“Spiru Haret” University, Bucharest, Romania
- 13:10-13:20** **11. Knowledge and Meaning of Formation: a possible Christian model of interpretation**
Author: Dipl. Eng. **Grigore Dumitru**
Eparchy of Arges and Muscel
- 13:20-13:30** **12. The Consumer's Behaviour – Decisive Factor for the Firm's Development Strategy**
Author: Assistant Professor **Dan Gârdan**, PhD Student
“Spiru Haret” University, Bucharest, Romania

Thursday, April 22, 2004, 15:30-17:30

Chairman: Professor **Mihăiță Nicolae** PhD
Department of Economic Statistics and Forecast
Academy of Economic Studies, Bucharest, Romania

- 15:30-15:40** **13. The Corporate Web Site and its Functions Within the Information System of Romanian Firms**
Authors: Assistant Professor **Mureșan Ioana** PhD Student
University of Oradea, Romania
Lecturer **Gurău Călin** PhD
School of Management, Heriot-Watt University,
Riccarton, Edinburgh, United Kingdom
Lecturer **Țarcă Naiana** PhD, University of Oradea, Romania
- 15:40-15:50** **14. A Dynamic Leontief Model with Remanufacturing**
Authors: Assistant Professor **Adél Floriska** PhD
“Szent Istvan” University, Gödöllő, Hungary
Imre Dobos, University of Economics and Public Administration,
Budapest, Hungary
- 15:50-16:00** **15. The Impact of Economic Development on each of the Three Sectors**
Authors: **Czárl Adrienn** PhD Student
Maria Belovec PhD Student
PhD Programme of Management and Business Administration,
Department of Accounting and Finance,
“Szent Istvan” University, Gödöllő, Hungary
- 16:00-16:10** **16. Responsibilities in Agent-Based Teamwork**
Author: Economist **Pătru Laura Gabriela** PhD Student
MOBIFON S.A., Bucharest, Romania
- 16:10-16:20** **17. The Agent's Ability to Learn: Importance and Methods**
Author: Economist **Rusu Mihai Silviu** PhD Student
General Inspectorate of Romanian Police, Bucharest, Romania
- 16:20-16:30** **18. Dynamics With Expectations for Multi-Agent Systems**
Author: Economist **Constantin Mihai** PhD Student
Romanian Bank for Development, Bucharest, Romania
- 16:30-16:40** **19. Risk Class and Sources in Power Companies Management**
Author: Economist **Soare Simona** PhD Student
TRANSELECTRICA, Bucharest, Romania
- 16:40-16:50** **20. Agent Technology for Supply Chain Management**
Author: Economist **Popa Laura Alina** PhD Student
Interbrands Marketing&Distribution, Bucharest, Romania
- 16:50-17:00** **21. Management by Objectives - A Challenge for Banking**

Author: Economist **Coraci Laura Mihaela** PhD Student
Romanian Commercial Bank, Bucharest, Romania

- 17:00-17:10 **22. The ECB's "New" Strategy**
Author: Economist **Calancia Laura** PhD Student
EXIMBANK, Romania
- 17:10-17:20 **23. Complex Dynamics and Financial Fragility in an Agent-Based Model**
Author: Economist **Calancia Laura** PhD Student
EXIMBANK, Romania
- 17:20-17:30 **24. Using Intelligent Agents in CRM Application**
Author: Economist **Ogrinja George** PhD
Project Manager, Tofan Grup Romania

Friday, April 23, 2004, 14:30-17:30

Chairman: Professor **Virginia Mărăcine**, PhD
Department of Economic Cybernetics
Academy of Economic Studies, Bucharest, Romania

- 14:30-14:40 **25. An OLG Framework Analysis of NDC and PAYG Pension Pay-Offs for Romania**
Author: Assistant Professor **Mihăiță Eugen-Iulian** PhD
University of Nottingham, United Kingdom
- 14:40-14:50 **26. The Importance of Financial Markets' Globalisation**
Author: Lecturer **Ionescu Eduard** PhD Student
"Spiru Haret" University, Bucharest, Romania
- 14:50-15:00 **27. Influences of Marketing and Culture Over the Organizational Development**
Author: Assistant Professor **Andriesei Ioana** PhD Student
"Spiru Haret" University, Bucharest, Romania
- 15:00-15:10 **28. The Objectives of Management Banking Risks**
Author: Assistant Professor **Predescu Iuliana**, PhD Student
"Dimitrie Cantemir" Christian University, Bucharest, Romania
- 15:10-15:20 **29. The Reform of Romanian Banking System**
Author: Assistant Professor **Predescu Iuliana**, PhD Student
"Dimitrie Cantemir" Christian University, Bucharest, Romania
- 15:20-15:30 **30. A Decisional Approach in System Analysis**
Authors: Professor **Păun Mihai** PhD
Professor **Adrian Bădescu** PhD
Assistant Professor **Păun Ramona** PhD Student
Academy of Economic Studies, Bucharest, Romania

Detailed program for the Workshop
„The Role of Intelligent Multi-Agent Systems in Distributed Economic Processes Management”

9:00 – 9:30 – Trip from Academy of Economic Studies to Tuborg Company

9:30 – 10:00 – Coffee Break

10:00 – Workshop Opening: Professor **Mărăcine Virginia** PhD

10:00 – 10:30 – Tuborg Company' Presentation: Engineer **Isaac Sheps**, President *Tuborg - Romania*

10:30 – 10:45 – Paper Presentation: **The Golden Triangle of International Standards of Quality Management System**

Author: Engineer **Isaac Sheps**, PhD Student
President *Tuborg - Romania*

10:45 – 11:00 – Tuborg distribution system presentation.

11:00 – 11:30 – Research Contract CNCSIS 899/2002-3003 **Conducerea proceselor de Aprovizionare-Producție-Desfacere distribuite. Metode moderne bazate pe Sisteme Multiagent Inteligente(The Role of Intelligent Multi-Agent Systems in Distributed Economic Processes Management)**: Project Manager Professor **Scarlat Emil** PhD

11:30 – 12:00 – Discussions, concluding remarks, future collaboration projects
12:00 – 13:00 – Visit Tuborg Company
13:00 – 14:00 – Lunch
14:00 – 14:30 – Trip back from Tuborg Company to ASE Bucharest