

SECTION 6

APPLIED MATHEMATICS IN MACROECONOMICS AND MICROECONOMICS

Room 2623

Chair: Professor *Nica Vasile* PhD
Academy of Economic Studies, Bucharest
Professor *Preda Vasile*, PhD
University of Bucharest
Professor *Tkacenko Alexandra*, PhD
USM, Chişinău, Moldova
Professor *Lozovanu Dimitrie*, PhD
Institute of Mathematics and Computer Science, Chişinau, Moldova

Secretary: Assistant *Marinescu Daniela* PhD Student

Thursday, April 22, 2004

- 11.30-11.50 **1. Some Sufficient Optimality Conditions for Nondifferentiable Multiobjective Variational Problems**
Author: Lecturer *Gramatovici Sorina* PhD
Academy of Economic Studies, Bucharest, Romania
- 11.50-12.10 **2. Determining Pareto Solutions for Multiobjective Discrete Control Problem on Networks**
Authors: Professor *Drucioc Dorian* PhD
Professor *Lozovanu Dumitru* PhD
Professor *Popovici Mihai* PhD
Institute of Mathematics and Computer Science,
Academy of Sciences, Chişinău, Moldova
- 12.10-12.30 **3. The Multiobjective Linear Fractional Programming Model**
Author: Professor *Tkacenko Alexandra*
USM, Chişinău, Moldova
- 12.30-12.50 **4. The DEA -type Model in the Study of the Economical Efficiency Indexes**
Author: Professor *Tkacenko Dumitru* PhD
Chişinău, Moldova
- 12.50-13.10 **5. Fuzzy Techniques for Net Value Discounting**
Authors: Professor *Mărăcine Virginia* PhD
Student *Toader Ana-Maria*
Student *Vasilescu Roxana*
Academy of Economic Studies, Bucharest, Romania
- 13.10-13.30 **6. Imprecise Goal Programming Model**
Author: Professor *Luban Florica* Ph.D
Academy of Economic Studies, Bucharest, Romania
- 13.30-15.30 **Lunch**

Chairman: Professor *Lozovanu Dumitru* PhD

15.30-15.50 7. Optimality Conditions for a Special Class of Non-differentiable Minimax Fractional Programming Problem with Square Root Term

Authors: Professor *Preda Vasile* PhD

Professor *Bătătorescu Anton* PhD

Faculty of Mathematics, University of Bucharest, Romania

15.50-16.10 8. Stable Sets and Cores in the Competitive Models

Authors: Professor *Ștefănescu Anton* PhD

Faculty of Mathematics, University of Bucharest, Romania

16.10-16.30 9. Data Dependence and Comparison Results for the Solutions Set of a Mixed Type Functional-integral Equation

Authors: Professor *Mureșan Viorica* PhD

Department of Mathematics, Technical University of Cluj-Napoca, Romania

16.30-16.50 10. On Some Homogeneous and Quasi-homogeneous Economic Growth Models

Authors: Professor *Lungu Nicolaie* PhD

Lecturer *Torsin Tiberiu* PhD

Assistant *Ciplea Sorina Anamaria* PhD Student

Department of Mathematics, Technical University of Cluj-Napoca, Romania

16.50-17.10 11. Admissible Trajectories in the Homicidal Chauffeur Differential Game

Authors: Professor *Mirică Ștefan* PhD

Bouremani Touffik PhD

Faculty of Mathematics, University of Bucharest, Romania

17.10-17.30 12. Competitive Solutions for Competitive Games

Author: Professor *Gheorghe Ciobanu* PhD

Academy of Economic Studies, Bucharest, Romania

Friday, April 23, 2004

Chairman: Professor *Tkacenko Alexandra* PhD

14.30-14.50 13. Modeling the Agent's Optimistic and Pessimistic Attitudes Towards Uncertainty

Author: Economist *Irimiea Corina Nicoleta*
Romanian Commercial Bank, Bucharest, Romania

14.50-15.10 14. Evolutionary Optimization of Fuzzy Cutting Stock Problem

Authors: Professor *Fabian Csaba* PhD
Professor *Mihalca Rodica* PhD
Academy of Economic Studies, Bucharest, Romania

15.10-15.30 15. Usage of genetic algorithms in a particular cover of a specific square area

Author: Assistant *Laszlo Illyes* PhD Student
Sapientia University, Miercurea Ciuc, Romania

15.30-15.50 16. The Econometric Modeling, in a Microeconomic Approach

Authors: Lecturer *Dosescu Tatiana-Corina* PhD Student
Dimitrie Cantemir University, Bucharest, Romania
Senior Lecturer *Raischi Constantin* PhD
Academy of Economic Studies, Bucharest, Romania

15.50-16.30 Coffee break

Chairman: Professor *Preda Vasile* PhD

16.30-16.50 17. The Use of Kernel Techniques in approximating the Probability Laws

Author: Professor *Ruxanda Gheorghe* PhD
Academy of economic Studies, Bucharest, Romania

16.50-17.10 18. On some one-dimensional optimization algorithms

Author: Lecturer *Şerban R.Radu* PhD Student,
Spiru Haret University, Bucharest, Romania

17.10-17.30 19. Two ways to define graph distance. Path distance versus cut distance

Author: Lecturer *Mitrut Dorin* PhD
Academy of Economic Studies, Bucharest, Romania

17.30-17.50 20. On the Dyckhoff Model of the 1-dimensional Cutting Stock Problem

Author: Professor *Nica Vasile* PhD
Academy of Economic Studies, Bucharest, Romania

17.50-18.10 21. Optimal risk allocation and estimation of reserve in an insurance company

Author: *Dumitru Tudor* Student
Academy of Economic Studies, Bucharest, Romania