4th Special Focus Symposium on Catallactics: Quantitative-Behavioural Modelling Of Human Actions and Interactions on Markets

Joint Chairs: Prof. Dr. Otto Loistl\textsuperscript{a}, Prof. Dr. Vladimir Šimović\textsuperscript{b} and Mr. Michael Hüetl\textsuperscript{a}
\textsuperscript{a}Vienna University of Economics and Business Administration, Vienna, Austria
\textsuperscript{b}University of Zagreb, and Zaprešić College, Croatia

8:45 - 9:00 Welcome Address

Session I “Financial Decision Making“ chaired by Efim Bronshtein

9:00 - 9:30 Modelling of Multi Criteria Decision
Mária Hromníková

9:30-10:00 Global and Local Minimums of Maintenance Costs
Dominika Crnjac and Ivana Barković

10:00-10:30 Some optimization problems of investment theory
Efim Bronshtein, Tatyana Oleynik, and Gulnara Latypova

10:30-11:00 Linear Models of Insolvency Forecasting
Efim Bronshtein and Gulnaz Rakhimkulova

11:00-11:30 Coffee Break

Session II “Market Microstructure” chaired by Otto Loistl

11:30-12:00 A Quantitative-Behavioural Approach to Limit Order Book Analysis - Theoretical Foundation and Empirical Simulation
Michael Hüetl, OttoLoistl, and JohannesPrix

12:00-12:30 Empirical Evaluation of Open Limit Order Book Models
JohannesPrix, OttoLoistl, and Michael Hüetl

12:30-13:00 Building Software Agents for Market Segmentation
Brano Markić

13:00-13:30 Specialized Day Trading - A New View on an Old Game
Vladimir Šimović and Vladimir Šimović

13:30-15:30 Lunch Break

Session III “Projects and Risks“ chaired by Ljubica Bakić-Tomić

15:30-16:00 Risks in Project Management
Vesna Markovac, Ljubica Bakić-Tomić, and Vilim (William) Vranović

16:00-16:30 Quality Assurance in Project Management
Vilim (William) Vranović, and Vesna Markovac

16:30-17:00 Computer Crime and Business Information
Slavko Šimundić

17:00-17:30 Methods and Technology of Operational Analytics in Combating Computer Crime
Slavko Šimundić and Mario Dumančić
8:45 – 14:00 Hall C

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8:45 - 9:00  Arrival at Conference Venue

**Session IV “System Dynamics Simulation“ chaired by Vladimir Šimović**

9:00 - 9:30  **Simulation of Investor Behaviour on Stock Markets Using Lattice Model**

Ladislav Lukáš

9:30 - 10:00  **Finance Problem Modelling With Vensim® System Dynamics Example**

Vatroslav Zovko, Vladimir Simovic, and Duje Ancic

10:00 - 10:30  **Applications of Threshold and Smooth Transition Models to Economic Phenomena**

Alexandr Kuchynka

10:30 - 11:00  **Financing Co-Payments as a Health Care Consumption Control Mechanism - A System Dynamics Model**

Vatroslav Zovko, Vladimir Simovic, and Duje Ancic

11:00 - 11:30  **Coffee Break**

**Session V “Corporate and Global Economic Performance“ chaired by Li Xiaomin**

11:30 - 12:00  **Corporate Ventures - A Source of Investment Opportunities in Global Economic Environment**

Lidija Romić, Gojko Ostojic, and Vladimir Šimović

12:00 - 12:30  **GDP of the European Union**

Ludmila Bokrošová

12:30 - 13:00  **On The Discrepancy between Venture Capital Investment’s Culture and Traditional Chinese Culture**

Li Xiaomin, and Chen Demian

13:00 - 13:30  **Improvement the Productivity and Costs in Graphic Production System**

Klaudio Pap, Mario Barisic, and Ivica Pogarcic

13:30 - 13:55  **Closing Remarks**

14:00 -  14:00  **Lunch**