

Simulation-Based Decision Support

Chair: Prof. Miroljub Kljajić, University of Maribor, Slovenia

Systems approach to Simulation based Decision Support

By Miroljub Kljajić, University of Maribor, Faculty of Organizational Sciences, Slovenia

System Dynamics with Cross Impact Analysis

By Chandra Sekhar Pedamallu¹, Linet Ozdamar² and Gerhard-Wilhelm Weber³

¹Department of Medical Oncology, Dana-Farber Cancer Institute, Boston, MA, USA
The Broad Institute of MIT and Harvard, Cambridge, MA, USA

²Yeditepe University, Dept. of Systems Eng., 34755 Istanbul, Turkey

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Inference of the JAK-STAT Gene Network via Graphical Models

By Vilda Purutçuoğlu¹, Tuğba Erdem², Gerhard Wilhelm Weber³

^{1,2}Department of Statistics, Middle East Technical University, Ankara, Turkey

²Institute of Applied Mathematics, Middle East Technical University, Ankara, Turkey

³ Middle East Technical University, Ankara, Turkey

Coffee Break 10:30-10:50

Application of a Hybrid Genetic Algorithm for cutting with particular stock

By Leon Kos¹, Nikola Jelic^{1,2}, and Jožef Duhovnik¹

¹University of Ljubljana, Faculty of Mechanical Engineering, Ljubljana, Slovenia,

²Association EURATOM-ÖAW, University of Innsbruck, Department of Theoretical Physics, Innsbruck, Austria,

Influence of Stock-to Order-Length Ratio on One-Dimensional Cutting Stock Costs: A Simulation Approach

By Jure Erjavec, Luka Tomat, Mirko Gradišar

University of Ljubljana, Faculty of Economics, Ljubljana, Slovenia

Decision Support System For Dynamic Production and Human Resources Scheduling

By Davorin Kofjač, Sonja Jerše, Miroljub Kljajić

University of Maribor, Faculty of Organizational Sciences, Kranj, Slovenia

LUNCH BREAK 12:30 – 14:30

Integration of System Simulation and Geographical Information Processing for the Air-Pollution Emergency Situations Control and Decision Making

By Radovan Stojanović^a, Andrej Škraba^b, Raffaele de Amicis^c, Giuseppe Conti^d, Doron Elhanani^e, Simon Berkowicz^f

^aUniversity of Montenegro, Faculty of Electrical Engineering, Podgorica, Montenegro

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Givat Ram, Jerusalem, 91904, Israel

Wednesday, August 3, 2011

14:30 – 18:00

Hall G

Simulation-Based Decision Support (Cont'd)

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Determination of Effective Policies for Ecological Agriculture Development with System Dynamics and Agent Based Models – Case Study in Slovenia

By Črtomir Rozman¹, Andrej Škraba², Karmen Pažek¹, Miroljub Kljajić², Martina Bavec¹, Franci Bavec¹

¹University of Maribor/Faculty of Agriculture and Life Sciences, Slovenia

²University of Maribor/Faculty of Organizational Sciences, Slovenia

Coffee Break 15:30-15:45

Modeling and Simulation of Spare Parts Supply Logistics Process

By Andrej Škraba^a, Kristina Bogataj^b, Davorin Kofjač^a

^aUniversity of Maribor, Faculty of Organizational Sciences, Kranj, Slovenia

^bORIA, poslovne rešitve, d.o.o., Ljubljana, Slovenija

Multi-attribute Model for Patient Health Evaluation

By Uroš Rajkovič (1), Dejan Dinevski (2), Olga Šušteršič (3), Vladislav Rajkovič (1)

(1) University of Maribor, Faculty of Organizational Sciences, Kranj, Slovenia

(2) University of Maribor, Faculty of Medicine, Maribor, Slovenia

(3) University of Ljubljana, Faculty of Health Sciences, Ljubljana, Slovenia

Description of the Meta-Communication Model and Design Web-based Courses which are implemented in Reflective Pedagogies in Russia

By Mirjana Kljajić Borštnar¹, Vardan Mkrttchian², Galina Stephanova³, Galina Ryabichkina³

¹University of Maribor, Faculty of Organizational Sciences, Slovenia

²HHH Technology Incorporation, All Armenian Internet University, Australia

³Astrakhan State University, Russian Federation

Computer Assisted Model Building: Dynamics of Generations - Cliodynamic Analysis of Economic Boom and Bust Compiled and Identified as an Integrated Game of Life

By Domen Zavrl, Cesta na Brdo 65, SI - 1000 Ljubljana, Slovenia.

Wednesday, August 3, 2011

19:00 – 20:30

The AULA

MUSICAL RECITAL with Lecture on Poly-stylism and Eclecticism in 20th-Century Music: Pathways to Trans-Nationalism

by Kevork Andonian, Candidate in Music Composition, UCLA Herb Alpert School of Music, Department of Music, Los Angeles, U.S.A