

Program of the *Pannonian Mathematical Modelling International Conference (PAMM-2011)*

THIRD OPEN DAY of the IPA TEAMATHMODSCI PROJECT
entitled

**“Teaching Mathematics and Statistics in Sciences:
Modelling and Computer-aided Approach”**

HU-SRB/0901/221/088 2010 – 2011

<http://sites.dmi.rs/projects/IPA/>

Faculty of Sciences, University of Novi Sad,
Department of Mathematics and Informatics
Novi Sad, April 29-30, 2011

Friday, April 29th, 2011	
10:00 – 11:00	Arrival and Registration
11:00 – 11:15	Conference opening – A1 (ground floor)
11:15 – 12:00	Academician Teodor Atanackovic, Academician Stevan Pilipovic, Dušan Zorica: (University of Novi Sad) <i>Stress relaxation in a viscoelastic rod described by a constitutive equation of distributed-order type</i>
12:00 – 12:30	Ljiljana Cvetković (University of Novi Sad, Faculty of Sciences) <i>H matrix theory vs. eigenvalue localization</i>
12:30 – 13:00	Petar Rusev (Bulgarian Academy of Sciences, Sofia) <i>Zero-distribution of a class of finite Fourier transforms</i>
13:00 – 13:30	Coffee break and snacks



13:30 – 14:00	Nicolae Boja (Polytechnica, Timisoara, Romania) <i>Sesquilinear forms and K pseudo-Euclidean spaces</i>
14:00 – 14:30	Virginia Kiryakova (Bulgarian Academy of Sciences, Sofia) <i>Multi-index Mittag-Leffler functions and their applications in fractional-order mathematical models</i>
14:30 – 15:00	Jordanka Paneva-Konovska (Sofia, Bulgaria) <i>Convergence of series in multi-index Mittag-Leffler functions in complex domain</i>
15:00 – 15:30	Marian Muresan (Babes-Bolyai University, Faculty of Mathematics and Computer Science, Cluj-Napoca, Romania): <i>A numerical approach to a variational problem</i>
15:30 – 16:00	Doru Paunescu and Bogdan Caruntu (Polytechnica, Timisoara, Romania) <i>Some engineering applications of the Mathematica software</i>
16:00– 16:30	Dénes Attila (University of Szeged, Bolyai Institute, Szeged, Hungary) <i>Stability properties of a population dynamical model for two fish species in Lake Tanganyika</i>
16:30 – 16:55	Zorica Milovanovic Aleksandra Delić (Faculty of Mathematics, University of Belgrade) <i>About Transmission Eigenvalue Problem in Disjoint Domains</i>
17:00-19:00	Dinner at the restaurant “Alaska barka”
19:00-20:00	Discussions, comments, suggestions
POSTER: Margaret Nagy, Zoltán Fabulya (University of Szeged, Hungary) <i>Modelling and cost optimization in heat treating</i>	

Saturday, April 30th, 2011	
9:30 – 10:00	Romano Isler (Università degli Studi di Trieste, Italia) <i>Continuous utility representations of non total preorders on normal spaces Utility theory.</i>
10:00 – 10:30	Gabriela Cristescu (“Aurel Vlaicu” University, Arad, Romania) <i>Combined utility approach to economic-ecologic efficiency of investment projects</i>
10:30 – 11:00	Predrag Rajković (University of Niš, Faculty of Mechanical Engineering) <i>The deformed exponential functions of two variables in the context of non-extensive statistical mechanics</i>
11:00 – 11:30	Dragan Kuzmanović, Zoran Golubović (University of Belgrade) <i>On the thermodynamics of anisotropic elastic bodies</i>
11:30 – 12:00	COFFEE BREAK
12:00 – 12:30	G. Halic and E. Halic (“Aurel Vlaicu” University, Arad, Romania) <i>An Axiomatic Approach of the Classical Convergence Starting from the Neutrix Concept</i>
12:30 – 12:50	Predarg Stanković (University of Niš, Faculty of Occupational Safety) <i>Ratio divisions of the functions defined by integrals</i>
12:50 – 13:10	Zoltan Pap (Visoka Tehnička Škola Strukovnih Studija, Subotica) <i>Application of Interior-point Methods in Computing Equilibria in Production Economies</i>
13:10 – 13:30	Mihail Găianu (West University of Timișoara, Mathematics and Informatics Faculty) <i>Tracing key points to study face improvement in plastic surgery</i>
13:30-13:50	Oana Tuns (“Babeș-Bolyai” University of Cluj-Napoca, Mathematics and Informatics Faculty, Romania)
13:50-14:10	Ivana Milanović, Raičević Vidak (“Isidora Sekulić” Grammar School, Novi Sad) <i>Mathematical modelling in Chemistry</i>
14:10 – 15:00	BUFFET LUNCH (at the DMI)
15:00	Conference closing

There were 82 participants on PAMM Conference.

