

XI-th International Conference
Mathematics of Informational Modeling
Program

1 July 2021

- 10: Opening
- 10.10 - 11: **Claus-Peter Ruckemann** (key note speaker),
Leibniz Universität Hannover, Germany,
Westfälische Wilhelms-Universität Münster, Nordrhein-Westfalen, Germany
***The Multi-disciplinary Case of Prehistorical Insight -
Information Science at the Edge of Structured Data Comprehension***
- 11-11:50: **Allaberen Ashyralyev** (key note speaker),
Near East University Lefkosa(Nicosia), Mersin 10 Turkey TRNC,
Peoples Friendship University Russia, Moscow, Russian Federation,
Institute of Mathematics and Mathematical Modeling, 050010, Almaty,
Kazakhstan
Maksat Ashyraliyev,
Dept. of Software Eng., Bahcesehir University, Istanbul, Turkey
Maral Ashyralyyeva,
Turkmen State University, Ashgabat, Turkmenistan
***Abstract approach for solutions of identification problems for
hyperbolic-parabolic equations***
- 11:50-12:20 **Sandra Pinelas,**
Department of Exact Sciences and Engineering, Military Academy, Amadora,
Portugal
S. M. Nikolskii Mathematical Institute of RUDN, Moscow, Russia
***Oscillations of mixed type differential equations with non-monotone
deviating arguments***
- 12:20-13:30 **Lunch break**
- 13:30-14: **Alya Talib Al Farsi,**
Middle East College, Muscat, Sultanate of Oman
Using Fuzzy Sets for capturing human subjective data

- 14-14:30: **Zlatinka Kovacheva^{1,2}, Ina Naydenova¹, Kalinka Kaloyanova^{1,3}**
¹ Institute of Mathematics and Informatics, Bulgarian Academy of Sciences
² University of Mining and Geology "St. Ivan Rilski", Sofia, Bulgaria
³ Sofia University "St. Kliment Ohridski"
Data errors assessment, detection and cleaning technology for wireless sensor networks
- 14:30-15: **Venelin Todorov^{1,2}, Ivan Dimov², Stoyan Poryazov¹, Yuri Dimitrov^{1,3},**
¹ Institute of Mathematics and Informatics, Bulgarian Academy of Sciences
²Institute of Information and Communication Technologies, Bulgarian Academy of Sciences
³ University of forestry, Sofia, Bulgaria
Multidimensional sensitivity analysis for large-scale eco model
- 15-15:30: **Venelin Todorov^{1,2}, Ivan Dimov², Stoyan Poryazov¹, Yuri Dimitrov^{1,3},**
¹ Institute of Mathematics and Informatics, Bulgarian Academy of Sciences
²Institute of Information and Communication Technologies, Bulgarian Academy of Sciences
³ University of forestry, Sofia, Bulgaria
New stochastic approaches for multidimensional integrals related to option pricing
- 15:30-16: **Margarita Spiridonova, Stoyan Poryazov, Emiliya Saranova,**
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences
Applied Computer Algebra Microenvironment for Solving a System of Nonlinear Algebraic Equations, Related to a Telecommunication Problem

2 July 2021

- 10-10:30: **Velin Andonov, Stoyan Poryazov, Emiliya Saranova,**
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences
New service characterizations in service systems
- 10:30-11: **Velin Andonov, Stoyan Poryazov, Emiliya Saranova,**
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences
New quality indicators in service system
- 11-11:30: **Georgi Gachev, Jordan Tabov,**
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences

About the "genetic closeness" of the peoples of Lithuania, Latvia and Estonia with the people of Russia

- 11:30-12: **Roumyana Yordanova,**
Hokkaido University, Sapporo, Japan
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences
An R package to construct and analyze networks for "omics" data
- 12-12:30: **Zlatinka Kovacheva^{1,2}, Valery Covachev¹,**
¹ Institute of Mathematics and Informatics, Bulgarian Academy of Sciences
² University of Mining and Geology "St. Ivan Rilski", Sofia, Bulgaria
Periodic Solution to the Discrete-Time Counterpart of a Neutral-Type Cellular Neural Network with Time Varying Delays
- 12:30-13:30 **Lunch break**
- 13:30-14: **Nevena Koleva, Jordan Tabov,**
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences
About the "genetic boundary" between the northern and southern Slavs
- 14-14:30: **Andrei Cretu,**
The Ohio State University, Columbus, OH, USA
An Algorithm and Dynamical Model for Adaptive Learning in Discrete Stochastic Environments
- 14:30-15: **Stoyan Apostolov¹, Yuri Dimitrov^{2,3}, Radan Miryanov⁴, Venelin Todorov^{3,5}**
¹ Faculty of Mathematics and Informatics, Sofia University "St. Kliment Ohridski"
² University of forestry, Sofia, Bulgaria
³ Institute of Mathematics and Informatics, Bulgarian Academy of Sciences,
⁴ Department of Statistics and Applied Mathematics, University of Economics, Varna, Bulgaria
⁵Institute of Information and Communication Technologies, Bulgarian Academy of Sciences
Superconvergence and Optimal Parameters of Shifted Approximations of the First Derivative
- 15-15:30: **Miroslav Stoenchev,**
Technical Univesity of Sofia, Bulgaria
Euclidean Geometry and Diophantine Systems