

## Webinar “Informational modeling – theory and practice”

### Program

20 October 2020

- 10-11: Claus-Peter Ruckemann (key note speaker),  
Leibniz Universität Hannover, Germany  
Westfälische Wilhelms-Universität Münster, Nordrhein-Westfalen, Germany  
*The Information Science Paragon: Allow Knowledge to Prevail, from Prehistory to Future - Approaches to Universality, Consistency, and Long-term Sustainability*
- 11-11:30: Sivakumar Pathuri, N. Naga Maruthi Kumari,  
REVA University, Bengaluru, Karnataka, India  
*The Interval Valued Fuzzy Graph associated with the Graphical Structure of the Cyclic Group*
- 11:30-12: Stoyan Poryazov, Velin Andonov, Emiliya Saranova,  
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences  
*Metrics of difference between conceptual models*
- 12-12:30: Zlatinka Kovacheva, Stoyan Poryazov, Emiliya Saranova  
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences  
*Quality of experience modeling of multimedia on-line services*
- 13:30-14: Velin Andonov, Stoyan Poryazov, Emiliya Saranova  
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences  
*Analytical models of service composition in queuing systems*
- 14-14:30: Venelin Todorov, Stoyan Poryazov, Ivan Dimov, Stefka Fidanova  
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences  
Institute of Information and Communication Technologies, Bulgarian Academy of Sciences  
*Highly Efficient Monte Carlo Approaches for Multidimensional Integrals for Options Evaluation*
- 14:30-15: Margarita Spiridonova, Stoyan Poryazov, Emiliya Saranova  
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences  
*Applied Microenvironment for Solving a System of Nonlinear Algebraic Equations, Related to a Telecommunication Problem*
- 15-15:30: Ivan Ganchev  
Institute of Mathematics and Informatics, Bulgarian Academy of Sciences

*Intelligent Cloud-based Mobile Service Recommendation System*

**21 October 2020**

10-10:30: Zlatinka Kovacheva, Valery Covachev

Institute of Mathematics and Informatics, Bulgarian Academy of Sciences

*An example of periodic solution to a modified Elman neural network*

10:30-11: Venelin Todorov, Stoyan Poryazov, Ivan Dimov, Stefka Fidanova,

Institute of Mathematics and Informatics, Bulgarian Academy of Sciences

Institute of Information and Communication Technologies, Bulgarian Academy of Sciences

*Reliable Quasi-Monte Carlo Methods for Multidimensional Sensitivity Analysis.*

11-11:30: Jordan Tabov, Georgy Gachev

Institute of Mathematics and Informatics, Bulgarian Academy of Sciences

*Digital analysis of genetic proximity of the Balkan population*

11:30-12: Yuri Dimitrov

Institute of Mathematics and Informatics, Bulgarian Academy of Sciences

*Generating functions, quadrature formulas and approximations of fractional derivatives*

12-12:30: Ina Naydenova, Zlatinka Kovacheva

Institute of Mathematics and Informatics, Bulgarian Academy of Sciences

*Some aspects of data quality providing*

12:30-13: Anna Otsetova

High College of Telecommunications and Posts

*Information and Communication Technologies and E-services Development*

13-13:30: Velin Andonov, Stoyan Poryazov, Emiliya Saranova

Institute of Mathematics and Informatics, Bulgarian Academy of Sciences

*Conceptual models of service composition in queuing systems*