

Thursday, 21 June 2018

Session A [13:00 – 14:30] (Amphitheatre) Applied computer science

- An Overview of Local Approach for Time Series Analysis and Prediction
Ventsislav Nikolov, Technical University of Varna, Bulgaria
- Comparative Analysis of Algorithms for Classification of Text in the Bulgarian Language in Machine Learning
Neli Kalcheva, Technical University of Varna, Bulgaria
- Two-finger Touch on Wearable Device Bezel Method for User Pose Recognition
Yuri Dimitrov and Veneta Aleksieva, Computer Science Department, Technical University of Varna, Bulgaria
- Lagrange Method Implemented in Modeling and Simulation, Fundamentals of Animation, Creating Models and Motion of a Character
Andrijana Sharkoska and Dijana Capeska Bogatinoska, University of Information Science and Technology “St. Paul the Apostle” Ohrid, Republic of Macedonia
- Development of a PLC-based Hybrid PI controller
Vesko Uzunov, Technical University of Varna, Bulgaria
- Selecting the Optimal IT Infrastructure of a Data Center
Rosen Radkov, Technical University of Varna, Bulgaria

Session B [13:00 – 14:30] (Classroom 1) Economy, Management and Sustainable Development

- Environmental Performance of High Risk Potential Enterprises in Devnya Municipality
Elena Mihaylova Kindzhakova and Daniela Simeonova Toneva, dept. Ecology and Environmental Protection, Technical University of Varna, Bulgaria
- Integrated Environmental Management System in High Risk Potential Enterprises
Elena Mihaylova Kindzhakova and Daniela Simeonova Toneva, dept. Ecology and Environmental Protection, Technical University of Varna, Bulgaria
- Employment of the Smart Contracts in the Practicing of the Franchising Business Model
Jovanka Damoska Sekuloska, University of Information Science and Technology “St. Paul the Apostle” UIST, Ohrid, Republic of Macedonia
Aleksandar Erceg, J. J. Strossmayer University of Osijek Faculty of Economics in Osijek, Republic of Croatia
- Information – Technological Decisions in the Process Engineering for Company Management
Tanya Panayotova and Tanya Angelova, Department of Industrial Management, Technical University-Varna, Bulgaria
- Development of Wind Energy Projects in Bulgaria - Challenges and Opportunities
Toneva Daniela and Stankova Todorka, dept. Ecology and Environmental Protection, Technical University of Varna, Bulgaria
- Innovative Information and Communication Technologies - a Precondition for a Higher Competitiveness of the Organization
Krasimira Dimitrova, Department of Industrial Management, Technical University of Varna, Bulgaria
- Smart Sustainable Development and Labor Migration in Europe, Eurasia and Balkan Region
Nikolai Siniak, Daniela Koteska Lozanoska, University of Information Science and Technology, Ohrid, Republic of Macedonia
Sharif Nureddin, Habib Awada - Department Production Organization and Real Estate Economics, Minsk, Republic of Belarus,
Moroz Viktoriya - Belarus State Economic University, Minsk, Republic of Belarus.

Session C [16:00 – 17:30] (Amphitheatre) Signal and Image Processing

- Application of Wavelet Functions in Signal Approximation
Mariyana Todorova and Reneta Parvanova, Department of Automation, Technical University of Varna, Bulgaria
- Compression of Images Using Wavelet Functions
Reneta Parvanova and Mariyana Todorova, Department of Automation, Technical University of Varna, Bulgaria
- The Use of the Intensity-Curvature Functional as K-Space Filter: Applications in Magnetic Resonance Imaging of the Human Brain
Carlo Ciulla and Ustijana Rechkoska Shikoska, University of Information Science & Technology, "St. Paul the Apostle" Ohrid, Republic of Macedonia
Filip A. Risteski and Dimitar Veljanovski, Department of Radiology, General Hospital 8-mi Septemvri, Boulevard 8th September, Skopje, Republic of Macedonia

Session D [16:00 – 17:30] (Classroom 1) Power Systems & Electronics

- Transient and Numerical Models of Three-Phase Induction Motor
Vasilija Sarac, Goce Stefanov, Faculty of Electrical Engineering, University Goce Delchev, Stip, Republic of Macedonia
Neven Trajchevski, Military Academy Skopje, University Goce Delchev, Stip, Republic of Macedonia
- Integrated Machining Process Modelling and Research System
Neven Trajchevski, Military Academy – Skopje, "Goce Delchev" University, Shtip, Republic of Macedonia
Vasilija Sarac, Goce Stefanov, Faculty of Electrical Engineering, "Goce Delchev" University, Shtip, Republic of Macedonia
Mikolaj Kuzinovski, Mite Tomov, Faculty of Mechanical Engineering, "Ss. Cyril and Methodius" University, Skopje, Republic of Macedonia
- Determination of Dangerous Lightning Current Levels for Power Substations 220KV
Margreta Vasileva and Danail Stanchev, Electric Power Engineering department, Technical University of Varna, Republic of Bulgaria
- Regression Analysis of Experimental Data for the Soil Electrical Characteristics Considering Humidity and Frequency
Marinela Y. Yordanova, Rositsa F. Dimitrova, Margreta P. Vasileva, Milena D. Ivanova, Department "Electric Power Engineering", Technical University of Varna, Bulgaria
- Application of Recursive Methods for Parameter Estimation in Adaptive Minimum Variance Control of DC Motor
Ivan V. Grigorov and Nasko R. Atanasov, Department of Automation, Technical University of Varna, Bulgaria

Friday, 22 June 2018

Session E [10:30 – 12:00] (Amphitheatre) Telecommunications

- Simulation Framework for Realization of Handover in LTE Network in Urban Area
Aydan Haka, Department of Computer Science and Technologies, Technical University of Varna, Bulgaria
- Routing and Traffic Load Balancing in SDN-NFV Networks
Dimitar Todorov and Hristo Valchanov, Computer Science Department, Technical University of Varna, Bulgaria
- Model for Research of Li-Fi Communication
Diyana Dineva, Department of Software and Internet Technologies, Technical University of Varna, Bulgaria

Session F [10:30 – 12:00] (Classroom 1) Information Society and Social Development & New Media Art, Science and Technology.

- Social Media Changing the World
Nola Ismajloska Starova, University of Information Science and technologies "St. Paul the Apostle" Ohrid, Republic of Macedonia
- Modelling the Quality of User-Perceived Travel Experience
Aleksandar Karadimce, Faculty of Computer Science and Engineering, University St. Paul the Apostle - Ohrid, Republic of Macedonia
Giuseppe Lugano, Yannick Cornet, ERAdiate team, University Science Park, University of Zilina, Slovakia
- Digital Media, Field for Creativity
Mersiha Ismajloska, University of Information Science and Technologies "St. Paul the Apostle" Ohrid, Republic of Macedonia

Session G [12:30 – 14:00] (Amphitheatre) Biomedical Engineering

- An Approach of Modelling of Breast Lesions
Galya Gospodinova and Kristina Bliznakova, Department of Computer Sciences and Automation, Technical University of Varna, Bulgaria
- Three Dimensional Breast Cancer Models for X-Ray Imaging Research
Kristina Bliznakova, Laboratory of Computer Simulations in Medicine, Technical University of Varna, Bulgaria
- Bioinformatics approach in finding similarity of Haemophilus influenzae and Escherichia coli
Ljubinka Sandjakoska, University for Information Science and Technology "St. Paul the Apostle" Ohrid, Republic of Macedonia

Session H [12:30 – 14:00] (Classroom 1) Applied Mathematics

- (2,3)- Generation of the Special Linear Groups of Dimension 9
Tsanko Genchev, Department of Mathematics, Technical University of Varna, Bulgaria
Konstantin Tabakov, Department of Algebra, Faculty of Mathematics and Informatics, "St. Kliment Ohridski" University of Sofia, Bulgaria
- (2; 3)- Generation of the Groups $SL_{10}(q)$
Elenka Gencheva and Tsanko Genchev, Department of Mathematics, Technical University of Varna, Bulgaria
Konstantin Tabakov, Department of Algebra, Faculty of Mathematics and Informatics, "St. Kliment Ohridski" University of Sofia, Bulgaria