

ISGT2020 Conference Program

May 29, 13:00 – 13:30

Welcome

May 29, 13:30 – 14:30

May 29, 14:30 – 17:00

May 29, 17:30 – 19:00

KEYNOTE SPEECH

Vassil Todorov

"Autonomous vehicles – software verification challenges and perspectives"

Main Track - INFORMATION SYSTEMS & GRID TECHNOLOGIES

chair: prof. Maria Nisheva

Cloud federation usage in engineering and construction sector - Ioannis Patias and Vasil Georgiev

Cloud Infrastructure for Research and Education at University of Sofia - Vladimir Dimitrov, Radoslava Hristova and Ivan Hristov

Sentiment detection with FedMD: Federated Learning via Model Distillation - Plamena Tsankova and Galina Momcheva

Research on the development and implementation of augmented reality technologies - Saule Sarsimbayeva and Vladimir Dimitrov

Hardware and Software Design of Redundant Robotic Manipulator - Lyubomira Miteva and Kaloyan Yovchev

Intelligent analytical data system - Gulnara Bektemyssova, Erbolat Kerimbay and Saniya Kabdrgalinova

ISec2020 WORKSHOP

chair: prof. Vladimir Dimitrov

New Approaches to the Investigations and Classification of Cyber Threats Challenged by the Application of Artificial Intelligence Methods - Roumen Trifonov, Ognian Nakov, Slavcho Manolov, Georgi Tsochev and Galya Pavlova

An Ontology of Top 25 CWEs - Vladimir Dimitrov and Ivan Kolev

Mapping Foundational Knowledge in Cybersecurity – Kalinka Kaloyanova

<p align="center">May 30, 9:30 - 11:30</p>	<p align="center">May 30, 11:30 - 13:00</p>	<p align="center">May 30, 14:00 - 16:00</p>
<p align="center">UNITe WORKSHOP</p> <p align="center">chair: prof. Kalinka Kaloyanova</p> <p>A Modular approach to Distributed Caching - Martin Kostov and Kalinka Kaloyanova</p> <p>Branching Processes Modelling for Coronavirus (COVID'19) Pandemics - Maroussia Slavchova-Bojkova</p> <p>Document Understanding: Problems and Technological Solutions - Kristina Arnaoudova and Maria Nisheva</p> <p>A system for compression of sequencing data - Boryana Pulova-Mihaylova, Iliyan Mihaylov, Irena Avdjieva and Dimitar Vassilev</p> <p>Applications of existing organized data, in the creation of a chatbot, improving customer experience - Kristin Aleksandrova</p>	<p align="center">Main Track - INFORMATION SYSTEMS & GRID TECHNOLOGIES</p> <p align="center">chair: prof. Vasil Georgiev</p> <p>Design Application Using SolidWorks Application Programming Interface - Andrijana Bocevska and Snezana Savoska</p> <p>Multi-threaded Approach for Generation of Random Boolean Networks - Petar Armyanov, Nikolay Shegunov and Ivan Ivanov</p> <p>User Interface for e-learning Platform for Users with Disability - Kostandina Veljanovska, Natasa Blazeska - Tabakovska, Blagoj Ristevski and Snezana Savoska</p> <p>Opportunities for Big Data Analytics in Healthcare Information Systems' Development - Blagoj Ristevski, Snezana Savoska and Natasha Blazheska Tabakovska</p>	<p align="center">e-Health WORKSHOP</p> <p align="center">chair: prof. Kalinka Kaloyanova</p> <p>Standards Based Adaptation of Clinical Documents for Interoperability of eHealth Services - Evgeniy Krastev, Dimitar Tcharaktchiev, Kalinka Kaloyanova, Lyubomir Kirov, Petko Kovatchev, Simeon Abanos and Nonka Mateva</p> <p>Building a Semantic Repository for Outpatient Sheets - Maria Nisheva, Hristo Georgiev and Pavel Pavlov</p> <p>The use of Big Data in medicine and public health policy-making: opportunities and challenges- - Ioannis Patias and Vasil Georgiev</p> <p>EBM and Computer Skills of Medical Professionals in Bulgaria - Nikoleta Leventi, Stefan Velikov and Antoniya Yanakieva</p> <p>Fog Computing for Personal Health: Case Study for Sleep Apnea Detection - Ace Dimitrievski, Snezana Savoska and Vladimir Trajkovik</p>
<p align="center">May 30, 16:00 – 17:00</p> <p align="center">Discussion</p>		