

<b>Information Systems and Grid Technologies - ISGT 2022</b> <b>May 27-28, Sofia, Bulgaria</b>
<b>Sofia University, Conference hall, 27.05.2022</b>
<b>Conference opening: 13.30-13.45</b>
<b>Main Track - 13.45-15.45</b> <b>Session chair: Vl. Dimitrov</b>
Harnessing the Power of Responsible Innovation: The Shift Towards Human-Centered Skills and Competences in AI Engineering
Technological considerations on the legal regulation in the use of robotic security assistants
Parallel data encryption based on Tinkerbell and Ikeda chaotic functions
New families of periodic orbits for the planar three-body problem computed with high precision
Towards implementing CMMI, TMMI, and CERT-RMM models in the IT higher education programs
Data performance evaluation of cloud storage providers
<b>UNITe Workshop: 10.00-12.00</b> <b>Session chair: M. Nisheva</b>
Stochastic Modelling for Coronavirus (COVID'19) Pandemic in Bulgaria
A Comparative Study of Methods for Scattered Data Interpolation using Minimum Norm Networks and Quartic Triangular Bezier Surfaces
Parallel technique on Bidirectional Associative Memory Cohen--Grossberg neural network
Small Data and Data Centric AI: Case Study from the Master's Program in Artificial Intelligence at Sofia University
Towards Competency Model in IS Education
<b>eHealth Workshop - part 1: 16.00-18.00</b> <b>Session chair: K. Kaloyanova</b>
Tool for Automatic Annotation of Clinical Texts in Bulgarian - BGMedAnno
Innovative information technologies in medicine, the ethical aspects - medical students' opinion
Health Data Exchange Based on Archetypes of Clinical Concepts
Conversion of Bulgarian Observational Data to OMOP Common Data Model: Initial Results
Application of openEHR Platform for Data Exchange in Ophthalmology
Students' Covid-19 Digital health literacy at Faculty of Mathematics and Informatics, Sofia University "St. Kliment Ohridski"
<b>Faculty of Mathematics and Informatics, Hall 111, 28.05.2022</b>
<b>MIRACle Workshop - part 1: 10.00-11.20</b> <b>Session chair: V. Georgiev</b>
Review of service robots' deployment and adoption
Skid detection using optical flow and IMU sensor
IoT Security Issues
CVE (NVD) Ontology
<b>MIRACle Workshop - part 2: 11.30-13.00</b> <b>Session chair: V. Georgiev</b>
Intelligent urban environment lab infrastructure design
Using general-purpose instead of domain-specific middleware platforms for the creation of an AAL system
CVE (NVD) Ontology Generator
Intellectual property protection: a course introduction
Towards building an AI curriculum for high school students

<b>e-Health Workshop - part 2: 14.00-16.00</b>
<b>Session chair: K. Kaloyanova</b>
Implementation of Innovative e-Health Services and Creating an Innovative Digital Healthcare Ecosystem – Project Summary and Recommendations
AAL and PHR connected data – needs and challenges
Visualization of time series environmental sensors' data for the healthcare purposes
Implementation of e-learning Platform for Increasing Digital Health Literacy as a Condition for Integration of e-health Services with PHR
Predicting Bitcoin Volatility Using Machine Learning Algorithms and Blockchain Technology
Quality Issues in Secondary Use of Health Data
<b>Closing Session: 16.00-16.30</b>