

Feb 26(Mon)		
09:00-09:05	Boris Antic	Welcome address
09:05-09:10	Rade Doroslovacki Dean of the Faculty of Technical Sciences of the University of Novi Sad	Opening of the event
09:10-09:20	Dejan Vinkovic	About the workshop logistics and BigSkyEarth
09:20-10:20	Petr Skoda Astronomical Institute of the Czech Academy of Sciences, Czech Republic Areg Mickaelian Byurakan Astrophysical Observatory (BAO), Armenia Fathalrahman Adam German Aerospace Center (DLR), Germany	Progress of the Big Data book
10:20-10:35	Aleksandra Nina Institute of Physics, Belgrade, Serbia	BSE book contribution - big databases and low ionospheric observations
10:40-11:15	break	
11:20-11:35	Alison B Lowndes NVIDIA, UK	Jetson in Space
11:40-11:55	Giovanni Nico Consiglio Nazionale delle Ricerche (CNR), Istituto per le Applicazioni del Calcolo (IAC), Italy	Persistent SAR imaging by airship: perspective applications
12:00-12:15	Mezgeen Rasol Universitat Politècnica de Catalunya , Spain	GPR Data Acquisition and Interpretation
12:20-12:35	Bojan Pečnik, Dejan Vinković Hipersfera Ltd., Croatia	Opportunities for collaboration on Hipersfera's airship demo-flights
12:40-12:55	Gyula M Szabó ELTE Gothard Observatory, Hungary	The astronomical and engineering challenges of the Gothard Fast Imaging System
13:00-14:20	lunch	
14:20-14:35	Konstantinos Armaos Biomedical Research Foundation of Academy of Athens, Greece	What makes a good Remote Sensing operator and how can we train a better one? Recent evidence and future perspectives.
14:40-14:55	Beril Sirmacek farmAR and University of Twente, The Netherlands	Smart visualization methods for practical usage of big data
15:00-15:15	Christian Ginzler Swiss Federal Institute for Forest, Snow and Landscape Research, Switzerland	Value of Earth Observation in forest ecosystem research
15:20-15:35	Aleksandar Kupusinac University of Novi Sad, Faculty of Technical Sciences, Serbia	Big data in medicine
15:40-15:55	Dejan Vukobratović University of Novi Sad, Faculty of Sciences, Serbia	Large-Scale Distributed Data Acquisition and Information Processing via 5G Mobile Cellular
16:00-16:15	Christian Muller Royal Belgian Institute for Space Aeronomy, Belgium	A review of agriculture applications of earth observation satellites.
16:20-16:55	break	
17:00-17:15	Georgi Simeonov IMI-BAS (Institute of Mathematics and Informatics at Bulgarian Academy of Sciences), Bulgaria	AI Deep Learning. Deep Neural Networks Capsules (CapsNets)
17:20-17:35	Nima Sedaghat University of Freiburg, Germany	TransiNet: Transient Detection with Deep Learning
17:40-17:55	Atanas Hristov University of Information Science and Technology, FYR Macedonia Marijana Krsteva "St. Clement" University - Bitola, FYR Macedonia	Concurrent parallel programming models for Big-data processing

Feb 27 (Tue)

09:00-09:15	António Falcão UNINOVA-CA3, Portugal	Computational Intelligence for ESA Projects
09:20-09:35	Dimitrios Marmanis DLR, Germany	Artificial Generation of Big Data for Improving Image Classification: A Generative Adversarial Network Approach on SAR Data
09:40-09:55	Nektarios Chrysoulakis FORTH (Foundation for Research and Technology Hellas), Greece	Massive data analysis in urban climate research
10:00-10:15	Dušan Jakovetić University of Novi Sad, Faculty of Sciences, Serbia	H2020 I-BiDaaS project: Industrial-driven Big Data as a self-service
10:20-10:35	Engelbert Mephu Nguifo Université Clermont Auvergne - LIMOS, France	Deep Learning for Photo-z estimation
10:40-11:15	break	
11:20-11:35	Ognyan Kounchev Institute of mathematics and informatics, Bulgarian Academy of Sciences, Bulgaria	1. New methods for multivariate Nonparametric regression 2. Wavelet Analysis of Geomagnetic Storms (with B. Srebrov and L. Pashova)
11:40-11:55	Andjelka Kovacevic Department of astronomy, Faculty of Mathematics, University of Belgrade, Serbia	A hybrid method for periodicity detection in the time series
12:00-12:15	Ivana Nizetic Kosovic Ericsson Nikola Tesla, Croatia	Heterogenous environmental data analytics
12:20-12:35	Boris Antic Faculty of Technical Sceinces - University of Novi Sad, Serbia	The Issue of Measurement Uncertainty Propagation in Big Data
12:40-12:55	Maria Gritsevich University of Helsinki, Finland	Experimental light scattering by ultrasonically controlled small particles
13:00-14:20	lunch	
14:20-14:35	Areg Mickaelian Byurakan Astrophysical Observatory (BAO), Armenia	Discovery of new white dwarfs based on Gaia astrometry
14:40-14:55	Daniel Angerhausen Center for Space and Habitability, Uni Bern, Switzerland	Sniffing Alien Atmospheres: Exoplanet spectrophotometry
15:00-15:15	Luka C. Popovic Astronomical Observatory, Serbia	Spectroscopy of active galactic nuclei: sky surveys and spectral (big)data analysis methods
15:20-15:35	Victor Debattista UCLan, UK	The challenge of orbits from simulations
15:40-15:55	Jovan Aleksić Astronomical Observatory Belgrade, Serbia	Transient events in LSST survey data
16:00-16:15	break	
16:20-16:55	break	
17:00-17:15	Darko Jevremovic Astronomical Observatory, Serbia	Potential new COST actions: LSST@Europe and/or Time Domain astronomy
17:20-17:35		
17:40-17:55		

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Milena Veneva Joint Institute for Nuclear Research, Bulgaria	Performance Analysis of Effective Symbolic Methods for Solving Band Matrix SLEs
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