

STAR Programme Annual Conference

26-27 June 2013

National Institute for Aerospace Research "Elie Carafoli" - INCAS
220, Iuliu Maniu Blvd., District 6, Bucharest, Romania

Draft Agenda

Wednesday, 26 June			
08:30-09:00	Registration and Welcome coffee		
09:00-09:10	Opening session		Romanian Space Agency (ROSA)
09:10-09:20	National strategy for space and related fields		S.C. IAROM S.A., Bucharest
09:20-09:30	Participation to the scientific ESA Programmes		Institute of Atomic Physics (IFA)
09:30-09:40	Scientific, Technical and Legal Support for Romania's Participation in ESA Committees on Earth Observation, Satellite Navigation and Communication Satellite		University of Agronomic Science and Veterinary Medicine - Bucharest
09:40-09:50	STAR Technology		National Institute for Aerospace Research "Elie Carafoli" (INCAS S.A.)
09:50-10:00	STAR - Knowledge Management Infrastructure		Imtech ICT Romania
10:00-10:10	Correlational Study of Space Missions Related to Fundamental Physics. Opportunities for Romanian Space Projects	COSMOS-RO	National Institute for Laser, Plasma and Radiation Physics - Institute of Space Science (INFLPR-ISS)
10:10-10:20	Cluster Flux Gate Magnetometer Daily Calibration and Scientific Data Exploitation	TUNED	National Institute for Laser, Plasma and Radiation Physics - Institute of Space Science (INFLPR-ISS)
10:20-10:30	Radio Dichotomy in Active Galactic Nuclei and Black Hole X-ray Binaries	RDAGN	National Institute for Laser, Plasma and Radiation Physics - Institute of Space Science (INFLPR-ISS)
10:30-10:40	Auroral Electrodynamics with Swarm	ALEOS	National Institute for Laser, Plasma and Radiation Physics - Institute of Space Science (INFLPR-ISS)
10:40-10:50	Contributions to the Euclid Mission	CEM	National Institute for Laser, Plasma and Radiation Physics - Institute of Space Science (INFLPR-ISS)
10:50-11:00	Satellite detection of faint fluorescence phenomena	SADET	National Institute for Laser, Plasma and Radiation Physics - Institute of Space Science (INFLPR-ISS)
11:00-11:10	Software development and integration for access to large-scale atomic databases and analysis applications	DATOM	National Institute for Laser, Plasma and Radiation Physics (INFLPR)
11:10-11:20	GPU in GRID for space science and technology	GUIDE	National Institute for Laser, Plasma and Radiation Physics - Institute of Space Science (INFLPR-ISS)
11:20-11:30	Validation of Swarm L-1b data using multi-point gradient estimation techniques	VALS	National Institute for Laser, Plasma and Radiation Physics - Institute of Space Science (INFLPR-ISS)

11:30-11:40	Clouds and Cloud Shadows Extraction Plug-In	CLOPI	S.C. Advanced Studies and Research Center S.R.L.
11:40-11:50	Bistatic SAR Demonstrator for PS Interferometry using a Fixed-Receiver Configuration	BISTATIC PSI	University "POLITEHNICA" of Bucharest - Research Centre for Space Information (CEOSpaceTech)
11:50-12:00	Development and validation of PSInSAR processing chain for certification as Operational Service Provider	PSInSAR	S.C. Advanced Studies and Research Center S.R.L.
12:00-12:30	Lunch break		
12:30-12:40	Content Based Query Concept for Exploration and Discovery of Information in Earth Observation and Medical Libraries	CONCEDE	University "POLITEHNICA" of Bucharest - Research Centre for Space Information (CEOSpaceTech)
12:40-12:50	Clouds and Aerosols Profiling in support of ESA's Sentinel 4 and 5 missions	CAPESA	National Institute for Research and Development in Optoelectronics - INOE 2000
12:50-13:00	Drought monitoring based on space and in-situ data	DROMOSIS	S.C. Advanced Studies and Research Center S.R.L.
13:00-13:10	Integrated landslide detection system using ground and space-borne monitoring techniques in Romania	ILUSTRO	Technical University of Civil Engineering Bucharest
13:10-13:20	Satellite Images Analysis for Fire Monitoring	SIAFIM	S.C. Intergraph Computer Services S.R.L.
13:20-13:30	RESEARCH FOR DEVELOPMENT A TELEMEDICINE EXPERT SYSTEM FOR PROVIDING OPTIMAL MEDICAL ON SITE RESPONSE IN DISASTERS AND EMERGENCY SITUATIONS MANAGEMENT (using the latest technology in biosensors, satellite communications, satellite navigations, IT etc.)	TELEDIM	S.C. IAROM S.A., Bucharest
13:30-13:40	ADVANCED MONITORING SYSTEM OF URBAN VEGETATION DYNAMICS AND PREDICTIVE ASSESSMENT OF CLIMATIC AND ANTHROPOGENIC STRESSORS IMPACTS ON BUCHAREST METROPOLITAN AREA FROM SATELLITE AND IN-SITU BIOGEOPHYSICAL DATA	BUGREEN	National Institute for Research and Development in Optoelectronics - INOE 2000
13:40-13:50	Advanced X-Ray Imaging System for AeroSpace Components Structural Integrity Investigation	DualXScan	S.C. ACCENT PRO 2000 S.R.L.
13:50-14:00	Experimental Weak Radio Signals Monitor for Ionospheric Disturbances Analysis	RAMA	BITNET - Research Center on Sensors & Systems (BITNET-CCSS)
14:00-14:10	Long term data exploitation for Satellite Image Time Series - Extraction of Classes for Scene Dynamics	LEO-SITS	University "POLITEHNICA" of Bucharest
14:10-14:20	Suborbital Launcher for Testing, Unconventional Subsystems Development	SLT-USD	University "POLITEHNICA" of Bucharest - Research Center for Aeronautics and Space (UPB-CCAS)
14:20-14:30	Technologies for Testing and Validation of the Structure, and Modified Hybrid Rocket Motor for Suborbital Launcher - STRAC	STRAC	University "POLITEHNICA" of Bucharest - Research Center for Aeronautics and Space (UPB-CCAS)

14:30-14:40	Advanced strategic planning to develop a turbopump system for a liquid propellant rocket engine	DevPump	Romanian Research and Development Institute for Gas Turbines (COMOTI)
14:40-14:50	Low Altitude Launching Systems: Analysis and Tests of Atmospheric Flight Phases	LALAFP	National Institute for Aerospace Research "Elie Carafoli" (INCAS S.A.)
14:50-15:00	Inverse aero-thermodynamic analysis for supersonic/hypersonic flows	IATASH	University "POLITEHNICA" of Bucharest - Research Center for Aeronautics and Space (UPB-CCAS)

Thursday, 27 June

09:00-09:30	Welcome coffee		
09:30-09:40	Compositional and dynamical modeling of near-Earth asteroids	COD-NEA	Astronomical Institute of Romanian Academy
09:40-09:50	Subsystems for Nanosatellites - SuNs	SuNs	National Institute for Laser, Plasma and Radiation Physics - Institute of Space Science (INFLPR-ISS)
09:50-10:00	Romanian Dual CubeSat Mission. Development of the RoBiSat-1 spacecraft	RoBiSat-1	National Institute for Laser, Plasma and Radiation Physics - Institute of Space Science (INFLPR-ISS)
10:00-10:10	ADvanced COmposite Structure for SPacecraft Applications	ADCOSSPA	Romanian Research and Development Institute for Gas Turbines (COMOTI)
10:10-10:20	Structural health monitoring in spacecraft structures using piezoelectric wafer active sensors and multimodal guided waves	Space SHM	National Institute for Aerospace Research "Elie Carafoli" (INCAS S.A.)
10:20-10:30	New Haptic Arm Exoskeletons for Robotics and Automation in Space	EXORAS	Technical University of Cluj-Napoca
10:30-10:40	Thin film photodetectors - new concepts and studies for aerospace applications	CONDAS	National Institute for Research and Development in Microtechnologies (IMT Bucharest)
10:40-10:50	Research Project on the Development of an Original Fuel Cell Technology Dedicated to Long-Distance Outer Space Manned Missions	FCToOutSpace	S.C. ET Innovative Solutions S.R.L.
10:50-11:00	Compressive THz Imaging and Hadamard Spectroscopy for Space Applications	THh Imaging	National Institute for Laser, Plasma and Radiation Physics (INFLPR)
11:00-11:10	Distributed Coding Algorithms for Energy Saving in Wireless Sensor Networks Applications	DCA-WSN	University "POLITEHNICA" of Bucharest
11:10-11:20	Dynamic Launching and Recovery Procedures from High Altitudes	DYLARPHA	National Institute for Aerospace Research "Elie Carafoli" (INCAS S.A.)
11:20-11:30	Visual Based On-board Absolute Navigation Experiment	VISONE	S.C. GMV INNOVATING SOLUTIONS S.R.L.

11:30-11:40	Integrated Evaluation System for Advanced Multilayered Materials in Aerospace and Related Fields	ATLAS	National Institute of Materials Physics (INFM)
11:40-11:50	High efficiency thermoelectric generator with non-steady state operation	TEGSPACE	S.C. ICPE S.A.
11:50-12:00	High-precision micro and nano smart sensors for space inertial navigation applications	SMARTSENSE	University of Craiova
12:00-12:30	Lunch break		
12:30-12:40	Reliability design of RF-MEMS switches for space applications	REDEMS	Technical University of Cluj-Napoca
12:40-12:50	Bolometers for space applications in middle and long infrared	BOLOSPACE	National Institute for Research and Development in Microtechnologies (IMT Bucharest)
12:50-13:00	HYPERSPECTRAL IMAGE FEATURE EXTRACTION TOOLS	HIFET	National Institute for Aerospace Research "Elie Carafoli" (INCAS S.A.)
13:00-13:10	ACTIVE MICRO-SHIELDS SYSTEMS FOR PROTECTION OF SPACE INFRASTRUCTURES	MICRO-SHIELDS	S.C. European Business Innovation & Research Center S.A.
13:10-13:20	ADVANCED ELECTROMAGNETIC EMISSIONS SECURITY SYSTEM FOR EARTH SATELLITE STATION NETWORKS DATA PROTECTION	SPEC	Military Equipment and Technologies Research Agency
13:20-14:00	Questions and Answers Closing session		