

SEMWC 2014

PRELIMINARY PROGRAMME

| 21 OCTOBER 2014 | | |
|------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------|
| 9:00 - 10:00 | Registration | |
| 10:00 - 10:30 | Welcome to the Conference | |
| 10:00 – 10:15 | Ministry of Economy of the Republic of Lithuania | |
| 10:15 - 10:30 | Lithuanian Space Association (Director of association Vidmantas Tomkus) | |
| 10:30 - 16:00 | Session 1: Bringing revolution in Space business and Exploration | |
| 10:30 – 11:15 | The EU and space exploration | Nicolas PETER European Commission |
| 11:15 - 11:45 | Coffee break | |
| 11:45 - 12:05 | Role of Small Satellites in Emerging Space | Jaroux Belgacem NASA AMES centre |
| 12:05 - 12:25 | National Space Programme Partnerships | Simon Crouch Surrey Satellite Technology Limited |
| 12:25 - 14:00 | Lunch | |
| | Press conference of Keynote Speakers | |
| 14:00 - 14:30 | Space Technology: Technical Challenges of Going Smaller | Harry Partridge NASA AMES research centre |
| 14:30 - 14:50 | The PROBA small satellites projects at ESA | Karim Mellab ESA/ESTEC |
| 14:50 - 15:10 | Innovative Space Applications and Products | Olexandr Kashanov Yuzhnoye Design Bureau |
| 15:10 - 15:40 | Coffee break | |
| 15:40 - 16:00 | Saudisat-4: An International Cooperation on the UV-LED Scientific Space Mission | Badr Alsuwidan SARI, KACST |
| 16:00 - 16:40 | Session 2: Space Communications and Navigation | |
| 16:00 - 16:20 | Space Based Navigation Augmentation Systems worldwide – current status and future Outlook | Norbert Frischauf SpaceTec Partners SPRL |
| 16:20 - 16:40 | The Polish edition of the European Satellite Navigation Competition (Galileo Masters) | Michal Moroz Kosmonauta.net |

| 22 OCTOBER 2014 | | |
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| 9:00 - 10:00 | Registration | |
| 10:00 - 10:30 | Session 2: Space Communications and Navigation | |
| 10:00 - 10:30 | Overview of the Copernicus programme | Astrid-Christina KOCH European Commission |
| 10:30 – 11:10 | Session 3: Space Materials and Structures | |
| 10:30 – 10:50 | Design and study of heat pipes for space thermal subsystem | Sergii Khairnasov National Technical University of Ukraine “KPI” |
| 10:50 - 11:10 | Inflatable shape changing colonies assembling versatile smart space structures | Thomas Sinn European Space Agency / Advanced Space Concepts Laboratory - University of Strathclyde |
| 11:10 - 11:40 | Coffee break | |
| 11:40 – 16:50 | Session 4: Small Satellite Missions | |
| 11:40 - 12:00 | A cubesat constellation for the investigation of the lower thermosphere characteristics: the QB50 mission | Davide Masutti von Karman Institute |
| 12:00 - 13:00 | Lunch | |
| 13:00 - 13:20 | Utilising plasma Coulomb drag effects for interplanetary propulsion and LEO satellite deorbiting | Pekka Janhunen Finnish Meteorological Institute |
| 13:20- 13:40 | Global ship tracking from AAUSAT3 | Jesper Abildgaard Larsen Aalborg University |
| 13:40 - 14:00 | Implementation and of attitude estimation and control for de-orbiting experiment with electrostatic plasma brake | Osama Khurshid Aalto University School of Science and Technology |
| 14:00- 14:20 | PanelSAR: a smallsat radar instrument | Maciej Urbanowicz SSBV Polska Sp. Z o.o. Poland |
| 14:20 – 14:50 | Coffee break | |
| 14:50 – 15:10 | The First Ukrainian Nanosatellite – PolyITAN-1: Development, Simulation, Flight Tests | Boris Rassamakin, National Technical University of Ukraine “KPI” |
| 15:10 – 15:30 | LituanicaSAT-1: lessons learned | Laurynas Mačiulis / Vytenis Buzas Vilnius University |
| 15:30 – 15:50 | Analysis of the Electrical Power System For ESTCube | Mihkel Pajusalu University of Tartu |
| 15:50 - 16:10 | LituanicaSAT-2 Mission | Laurynas Mačiulis / Vytenis Buzas Vilnius University |
| 16:10 – 16:30 | Lithuanian Cubesat Mission LitSAT-1 | Andrius Vilkauskas Kaunas Technology University |
| 16:30 – 16:50 | TBC | Algimantas Fedaravičius Kaunas Technology University |

| 23 OCTOBER 2014 | | |
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| 8:30 – 9:30 | Registration | |
| 9:30 – 9:45 | Welcome and agenda of the day | |
| | Session 6: Space funding opportunities | |
| 9:45 – 10:30 | Presentation of national and international programs and success story | Agency for Science, Innovation and Technology of Lithuania (MITA) |
| 10:30 – 11:00 | H2020-Space, overview of future calls | Agency for Science, Innovation and Technology of Lithuania (MITA) |
| 11:00 – 11:30 | Coffee break | |
| 11:30 – 12:00 | Joint panel discussion: Conference summary & the Case of Baltic countries <i>Agenda: Cooperation opportunities of Baltic space subjects in joint research and innovation projects</i> | |
| 12:00 – 13:00 | Lunch | |
| | Results of Lithuanian CanSat and UAV design-build-launch competition | |
| 13:00 – 14:00 | Teams report results of UAV design-build-launch competition | |
| 14:00 – 15:00 | Teams report results of CanSat design-build-launch competition | |
| 15:00 – 15:30 | Coffee break | |
| 15:30 – 16:00 | Teams report results of CanSat design-build-launch competition | |
| 16:00 – 16:15 | Awards ceremony of CanSat and UAV competition winners | |