



WORKSHOP

State-of-the-Future Thermal Protection Systems for Reusable Space Vehicles

June 1st, 2016 - Berlin, GERMANY
At *ILA Berlin Air Show*

Workshop Agenda

14:00 : 14:05	Welcome by the Organizers María Parco/TECNALIA, Andrey Girenko/ECM
14:05 – 15:45	LIGHT-TPS tribune
14:05 – 14:25	General presentation of the project LIGHT-TPS (María Parco / Project Coordinator, TECNALIA)
14:25 – 14:45	Development of super-light multilayer TPS for reusable space systems (Yevheniia Tishchenko, YUZHNOYE Design Office)
14:45 – 15:05	Development of Super-Light Weight Alloys on the Basis of NiCr and Nb and Honeycom structure (Iryna Bilan, IPMS & Yuri Falchenko, IEW)
15:05 – 15:25	Development of Ultra-High Temperature Ceramics and Coatings on their Basis for TPS applications (Laura Silvestroni, CNR-ISTEC)
15:25 – 15:45	Analysis and Optimization of TPS Temperature Fields During Diffusion Welding Process (Vitaliy Yatsenko, SRI)
15:45 – 16:00	<i>Coffee break</i>
16:00 – 16:20	Development of thermally loaded composite structures for space vehicles Dietmar Koch*, Hendrik Weihs and Marius Kütemeyer, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR) * Vice Director and Head of Department / Institute of Structures and Design / Ceramic Composites and Structures
16:20 – 16:40	HYDRA - Hybrid Ablative Development for Re-entry in Planetary Atmospheric Thermal Protection (Jorge Barcena / Project Coordinator, Industry and Transport Division / TECNALIA) http://www.hydra-space.eu/
16:40 – 17:00	THOR - Innovative Thermal Management Concepts for Thermal Protection of Future Space Vehicles (Burkhard Esser / Project Coordinator, Institute of Aerodynamics and Flow Technology / Supersonic and Hypersonic Technologies / DLR) http://thor-space.eu/
17:00– 17:15	Concluding remarks (María Parco/ TECNALIA and Andrey Girenko/ECM)
17:15	<i>End of Workshop</i>

More information

Find out more about the EU-funded R&D project LIGHT-TPS (Super Light-Weight Thermal Protection System for Space Application) on <http://light-tps.eu/>

For more details about *ILA Berlin Air Show* please visit <http://www.ila-berlin.com/ila2016/>

Contact details

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