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Innovative transport and mobility concepts

TRAVISIONS 2016 awarded prizes to students and senior researchers at TRA 2016

The EU-funded competition TRAVISIONS 2016 has awarded prizes to its winners. Students and senior researchers from all over Europe submitted innovative concepts in order to enhance smart, sustainable and integrated transport and mobility of people and goods. The winners received their prizes during the Transport Research Arena 2016 (TRA 2016), which took place in Warsaw on 18-20 April 2016.

The main activity of TRAVISIONS 2016, a project funded by the European Commission, are two competitions. One is directed towards early stage researchers/ students and one towards senior researchers involved in EU projects. They take place every two years together with the TRA, the most important European conference on transport. TRAVISIONS 2016 invited students and senior researchers from all over Europe to submit their innovative ideas related to all surface transport modes (road, rail and waterborne), including infrastructures and cross-modal issues.

Overall, 130 students and early stage researchers from 35 different European universities participated in the TRA VISIONS 2016 Student Competition and submitted 107 ideas for the transport modes road, rail and waterborne.

32 senior researchers participated in the EU Champions of Research Competition representing 28 different universities and research institutes from 12 EU countries.

All submitted ideas were evaluated by a judging panel comprising experts from universities, research institutes and industry to determine the top 3 ideas per transport mode (road, rail, waterborne and cross-modal).

The final winners of the competitions were awarded during two prestigious award ceremonies at the Transport Research Arena (TRA) Conference 2016 in Warsaw.

Additionally the winners had the opportunity to present and showcase their work.

EU Commissioner for Transport, Violeta Bulc, met with the winners of TRA VISIONS 2016 Student Competition after the award ceremony to discuss their ideas and also gave advice on the ideas' implementation and on the students' future.

The TRAVISIONS 2016 Student Competition awarded prizes sponsored by industry (DAMEN, ERTRAC, UNIFE, UIC, NEWRAIL, Techflow technology). In the road sector, the winners were Martin Hofstetter from Graz University of Technology (energy management of plug-in hybrid vehicles), Konstanze Winter from Delft University of Technology (automation of public transportation systems) and Roberto Vitolo and his team from Politecnico di Torino (reduction of passenger vehicles' energy consumption by means of automatic control of tire pressure). In the rail sector, the winners were Zi Qian from University of Newcastle Upon Tyne (subway climatology), Fabrizio Cerreto from Technical University of Denmark (cubic function model for railway line delays) and Giovanniluca De Vita and his team from Naples University Federico II (diagnosis of

high-speed railway turnouts). Finally, in the waterborne sector, the winners were Tin Yadanar Tun from Erasmus Mundus

Master - Belgium-France-Germany - (optimization of ships in calm water), Petros Gemenetzis and his team from University of Newcastle Upon Tyne (cold ironing at the anchorage area of Rotterdam Port) and Jordan McRuvie from University of Strathclyde (biomimicry and shark-skin inspired technology for submarines and other underwater craft).

In the EU Champions of Research Competition, Mario Conte from Italian National Agency for New Technologies (ENEA) was awarded for his work in the EU ILHYPOS project Ionic Liquid-based Hybrid Power Supercapacitors aimed at developing green and safe supercapacitors for automotive applications. In the rail mode, Donato Zangani from D'Appolonia with the ALJOIN project aimed at solving the issue of weld unzipping in aluminium welds. Michael Barnett from Southampton Solent University won the price for waterborne due to his work in the EU HORIZON project, which aimed at developing a fatigue risk mitigation model for voyage planners to ease workloads on ships' crews. Nils Meyer-Larsen from the Institute of Shipping Economics and Logistics was awarded for his cross-modal work in the EU INTEGRITY project that aimed at making door-to-door chains more secure and smooth by providing optimised supply chain visibility.

TRAVISIONS 2016 is a project funded under the EU's Horizon 2020 research and innovation programme. The project coordinator is WEGEMT (also responsible for the WATERBORNE MODE). The other project partners are Politecnico di Torino (Ezio Spessa) and Institute for Automotive Engineering (ika) of RWTH Aachen University (Alex Busse) for the ROAD MODE, University of Newcastle Upon Tyne (George Kotsikos) for the RAIL MODE, University College London (Alistair Greig) for the EU CHAMPIONS OF RESEARCH COMPETITION, and Balance Technology Consulting (Markus Lehne).

Further details on the competitions, the winners and the participants may be found at www.travisions.eu and <http://www.travisions.eu/TRAVisions/book>.

Released for publication. We kindly request a specimen copy after publication; for further enquiries please contact:

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