

Speakers & Panelists

Speakers



Frano Barbir

Frano Barbir is Professor Emeritus at Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split, Croatia, where he is employed as a Project Activity Leader at Center of Excellence for Science and Technology – Integration of Mediterranean Region (STIM).

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Henrik Lund

Henrik Lund is a Danish engineer and Professor in Energy Planning at Aalborg University in Denmark. He holds a Ph.D. in Implementation of Sustainable Energy Systems, and a Dr. Techn. in Choice Awareness and Renewable Energy Systems. Henrik Lund is a highly ranked world-leading researcher. He is listed among ISI Highly Cited researchers ranking him among the top 1% researchers in the world within engineering and on the Stanford list of top 2% scientists..

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Wu Kai

Dr. Wu Kai is a professor-level senior engineer and the Chief Scientist of Contemporary Amperex Technology, Chinese battery manufacturer. He has more than 20 years of extensive experience in battery research and development. He is committed to technological innovation and industrial application of power batteries for new energy vehicles.

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Sacha Vrazic

Sacha Vrazic is currently Director of Autonomous Driving R&D at Rimac Automobili d.o.o where he leads the R&D efforts and conducts own research to provide Autonomous Driving technology: Statistical Signal Processing, Computer Vision, Sensor Fusion, Machine Learning, Situation Awareness, Path Planning.

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Borna Abramović

Borna Abramović is a Professor and Head of Chair for Railway Transport Management at the Faculty of Transport and Traffic Sciences at the University of Zagreb. Borna's areas of interest are: railway transport, integrated passenger transport systems, transport forecasts, transport demand and game theory. He is an active researcher in many European and Croatian scientific projects and a large number of professional studies in Croatia.

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Panelists



Katherine Woodthorpe

Dr. Katherine Woodthorpe AO FTSE is the President of the Australian Academy of Technological Sciences and Engineering. She is regarded as one of Australia's most influential figures in innovation and net zero transition. She is also a Fellow of the Australian Institute of Company Directors. In 2017, she received an Order of Australia for her ongoing service to research and technology innovation in Australia.



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Joeri Van Mierlo

Dr. Joeri Van Mierlo is a professor at the Vrije Universiteit Brussels, he is head of ETEC – Electric Engineering and Energy Technology department and he leads the MOBI (Electromobility Research Centre). He is expert in the field of Electric and Hybrid vehicles (batteries, power converters, energy management simulations) as well as te



the environmental and economical comparison of vehicles with different drive trains and fuels (LCA, TCO).

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Ulrich Wagner

Dr. Ulrich Wagner is retired Full Professor at the TUM Chair for Energy Economy and Application Technology, Scientific Consultant of the Research Institute for Energy



Economy. His research fields are the more efficient use of energy and integration of renewable energies in the entire energy system, considering and optimizing all energy carriers and applications.

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Hrvoje Pandžić



Dr. Hrvoje Pandžić is a Full Professor at University of Zagreb Faculty of Electrical Engineering and Computing (UNIZG-FER), the Head of the Department of Energy and Power Systems and the Head of the Demand Response Laboratory. His research interests cover integration of renewable energy sources, unit commitment models, energy markets, power system planning and analysis, and integration of electric vehicles and storage systems.

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Tony Harper

Tony Harper is The Challenge Director for the Faraday Battery Challenge at UKRI. In this capacity, he is responsible for the UK Government's investment in Scientific Research, Business-led Innovation and national scale-up infrastructure for Battery Technology. He was previously Director of Engineering Research for Jaguar Land Rover. He is a Fellow of The Royal Academy of Engineering, Chartered Engineer, fellow of the IMechE.

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Zoran Mandić

Dr. Zoran Mandić is a Full Professor at University of Zagreb, Faculty of Chemical Engineering and Technology, Department of Electrochemistry. His research has focused on the development of advanced electrode materials for energy storage applications, particularly batteries and supercapacitors, as well as the development of electrochemical methods in performance testing and predicting cycle life and SoH.

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Tomaž Katrašnik

Dr. Tomaž Katrašnik is a Full Professor of Energy engineering at University of Ljubljana, Faculty of Mechanical Engineering, Slovenia and Scientific councillor at National Institute of Chemistry, Department of Materials Chemistry. He is also Head of the Slovene Research Programme Energy Engineering and President of Technical board of Slovenian Strategic Research and Innovation Partnership (SRIP) Mobility as well as Leader of Sustainable energy pillar of SRIP Networks for the transition to Circular economy.



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Mario Vašak

Mario Vašak, Ph.D. is a Full Professor Tenure with the Department of Control and Computer Engineering, University of Zagreb, Faculty of Electrical Engineering and Computing, and Head of its Laboratory for Renewable Energy Systems. He has authored more than 25 articles in international scientific journals and more than 100 internationally reviewed articles. His current research interests include the domain of dynamic systems predictive control with applications to buildings and infrastructure.

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Rodolfo Taccani

Rodolfo Taccani, PhD. is professor at the University of Trieste where he teaches the classes of Power Plants and Mechanical measurements. His current research interests comprise the analysis and optimization of energy conversion systems with particular reference to Fuel Cells and hydrogen. He has coordinated many research and



industrial projects regarding the development of advanced energy conversion systems.

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Ankica Kovač

Ankica Kovač is an Assistant Professor at Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb. Ankica holds her Ph.D. in green hydrogen



production, i.e. hydrogen production via water electrolysis using solar energy. She is a Guest Editor of the International Journal of Hydrogen Energy, a member of the Council of the President of the Republic of Croatia for Energy Transition and Vice President of the Croatian Hydrogen Association. She was awarded the Croatian Woman of Influence Award in the category of Leadership and Innovation.

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Subhasis Chaudhuri



Subhasis Chaudhuri, PhD is the Professor in the Department of Electrical Engineering at Indian Institute of Technology, Bombay. He completed his PhD from the University of California, San Diego, USA. Prof. Chaudhuri works in the area of image processing, computer vision, machine learning and computational haptics. He has been a Fellow of Indian National Academy of Engineering (INAE), Indian Academy of Sciences (IASC), National Academy of Sciences (NASI) and Indian National Science Academy (INSA) and a Fellow of IEEE.

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Ivan Petrović

Dr. Ivan Petrović is a Full Professor at the Faculty of Electrical Engineering and Computing, University of Zagreb, head of the Laboratory for Autonomous Systems and Mobile Robotics, and co-director of the Centre of Research Excellence for Data Science and Advanced Cooperative Systems. He is a full member of the Croatian Academy of Sciences and Arts and the Croatian Academy of Engineering, chair of the Technical Committee on Robotics of IFAC and a permanent board member of the European Conference on Mobile Robots.

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planning, decision making and control of autonomous vehicles in uncertain environments. Since 2016, he is with the Ford Research and Innovation Center in Aachen, where he is involved in low speed autonomy applications.

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Edna Mrnjavac

Dr. Edna Mrnjavac is a Professor at the Faculty of Tourism and Hospitality Management in Opatija at the University of Rijeka, Croatia. Her area's of interest are: Traffic in Tourism, Traffic Management in Tourism Destinations and Supply Chain Management in Tourism. She was a leading researcher and a team member on European and Croatian scientific projects and professional studies in Croatia.

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Kumares Sinha

Dr. Kumares C. Sinha is Edgar B. & Hedwig M. Olson Distinguished Professor of Civil Engineering at Purdue University. He was a Visiting Prof. at Massachusetts Institute of Technology and served as a Lockheed Martin Guest Prof. of Engineering at University of Central Florida and as an Eminent Scholar in Residence at Texas A&M University. He has been active in teaching, research and practice in transportation systems planning and engineering for over five decades. He is a Member of the US National Academy of Engineering.



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Alexander Katriniok

Dr. Alexander Katriniok is Assistant Professor at the Eindhoven University of Technology, Control Systems Technology section, department of Mechanical Engineering. His research focuses on real-time optimization-based control, learning-based control and control with rigorous safety guarantees, with application to motor



Elmar Fürst

Dr. Elmar Fürst is an Associate Professor at the Institute for Transport and Logistics Management at WU Vienna. His research focus lies in sustainability in the domain of transport and particularly in accessible mobility and transport. He is chairman of the Austrian Association Supporting the Blind and Visually Impaired and chairman and member of a number of scientific and standardization committees.

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Marko Ševrović

Prof. Marko Ševrović, PhD. has more than 20 years of experience working on different transport planning, road infrastructure design and road safety projects. In 2010 he started a position at the University of Zagreb, Faculty of Transport and Traffic Sciences (FPZ). He was a Project Manager and principal road safety engineer on many Transport planning projects in Croatia and EuroRAP/iRAP and Road Safety related projects including performing all iRAP protocols and capacity building trainings in many countries.

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Ádám Török

Dr. Ádám Török is a Full Professor at BME Budapest University of Technology and Economics. He received PhD in Transport Sciences and also Business and Management, both from BME. He is a member of the Hungarian Logistics Association and the Transport Scientific Association. His research activity was awarded by János Bolyai Scholarship of the Hungarian Academy of Sciences and the Program for New National Excellence. He earned habilitation and a Doctor of Hungarian Academy of Sciences. He has more than 300 publications.

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