



UNIVERSITATEA DIN PITEȘTI

University of Pitești
1962 - 2022
Tradition of excellence

HYDROGEN: a mean to decarbonize the global economy

a scientific event organized by

UNIVERSITATEA DIN PITEȘTI

2022, 5th of July

HYDROGEN: a mean to decarbonize the global economy

10²⁰-10⁴⁰: "Hydrogen for future mobility - H2 engine and fuel cells choosing the best technology for different applications"
Dr. Christoph Menne, FEV Europe GmbH

Dr.-Ing. Christoph Menne is Executive Vice President and Managing Director of FEV Europe GmbH, a leading engineering consultancy. Within the board of FEV Europe he is responsible for ELECTRIFICATION, all light duty and commercial/heavy duty powertrain activities and test system development in Europe. (since 11/2020)

Prior to his role at FEV Christoph Menne was Managing Director of HJS Emission Technology a leading Tier 1 aftertreatment and control unit system provider in Germany. He was responsible for all operations, manufacturing, quality, purchasing and R&D. HJS focusses on heavy duty non and on-road aftertreatment systems including electric heaters for EU7, stand-alone control units and software (2018-2020).

Dr. Menne lead the Diesel Powertrain application activities of FEV in Europe before he worked for HJS. (2015-2018). He worked in various other management positions at FEV in Europe before that (2009-2015) and led for 5 years various powertrain activities in the UK.

He studied mechanical engineering at RWTH Aachen University focussed his studies on electrified powertrains and received his Ph.D. on interacting fuel sprays from the Institute for Combustion Engines (VKA) (2005-2009).



HYDROGEN: a mean to decarbonize the global economy

11⁰⁰-11²⁰: “High efficiency H₂ internal combustion engine – Carbon free powertrain for passenger car hybrids and commercial vehicles”
Dr. Hubert Friedl and Dr. Christian Martin, AVL List GmbH Austria

Dr. Hubert Friedl studied Mechanical Engineering at University of Technology in Vienna

1986 – 1992: Assistant at Institute for Internal Combustion Engines, Vienna

Doctorate thesis on catalytic after-treatment for Diesel passenger cars

1992: joining AVL, Manager for Development and Testing of Methods, AVL Instrumentation and Test Systems Division

1998 - 2018: Guest Lecturer at University of Applied Science in Graz

Current position at AVL: Senior Product Manager for Gasoline Engines, AVL Powertrain Systems Passenger Cars



Dr. Christian MARTIN studied Industrial Engineering (Mechanical Engineering) at University of Technology in Vienna

2012 – 2015: Scientific Assistant at Institute for Powertrains & Automotive Technology at Vienna

Doctorate thesis on irregular combustion phenomena for highly boosted Gasoline engines

2016: joining AVL, current position at AVL: Senior Product Manager for Gasoline Engines, AVL Powertrain Systems Passenger Cars





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11⁴⁰-12⁰⁰: "H₂ fuel cells for automotive applications"
Dr. Marielle Marchand, Renault Group, France

1995: Engineer ENSEEG (Phelma today) - INPG Grenoble
1998: Thesis at CEA Grenoble – Water management in fuel cells
2000: Renault – Research Department – Feasibility of a fuel cell vehicle with gasoline reformer – Responsible for the stack and water and air system
2006: Renault – Materials Department – Recycling
2010: Renault – Interior Polymer Materials Group Manager / Decoration
2015: Renault – Sensory Perceived Quality Expert
Since September 2021: Renault Research Department – H₂ Expert



**Renault
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