

## IPCEI Microelectronics Industry Workshop Intelligent Power Distribution for 12V/24V and 48V Automotive Applications

### 18 January 2023, 14:45-17:15

#### Venue: AGH University of Science and Technology

Faculty of Electrical Engineering, Automatics, Computer Science, and Biomedical Engineering, Al. Mickiewicza 30, 30-059, Krakow, buliding B1 hall H-24

This workshop is jointly hosted by the global company **Infineon** and **ADVANTAGE AUSTRIA Poland** and supported by **AGH**. Be welcomed to join our session and discover more about:

- > Infineon Technologies Austria AG
- > Intelligent Power Distribution for 12V/24V and 48V Automotive Applications

The workshop is led by Infineon Technologies Austria AG and will focus on the challenges faced and the innovative solutions developed. At Infineon, we look back on 40 years of success and proven expertise in supplying high-quality semiconductors to electronic systems for the automotive industry. One essential part of the vehicle architecture is the power distribution system. As of today, it is based on a wire harness to transport energy, fuses to protect the wire harness, relays/switches to start and stop the energy flow and ECUs to control the energy flow.

In this talk the presenter introduces into the main elements of a power distribution system, discuss challenges and gives an outlook into future generations of modern power distribution systems in the 12V, 24V and 48V domain.

The AGH University of Science and Technology (the AGH UST) is a modern university that actively participates in fostering a knowledge-based society and creating innovative technologies. Our university has a well-established position in the country and is recognized abroad. Experienced staff, advanced laboratories, a unique campus, and, above all, the bonds that connect the AGH UST community are our greatest assets.

The workshop will provide an interactive platform to connect participants from the worlds of industry, research and education and Infineon to explore future collaborations opportunities to tackle remaining challenges in the field of microelectronics.

#### Register until 16 January 2023



For registration please send an email by January 16th, 2023 to krakow@advantageaustria.org and secure your place. **Places are limited** 

We look forward to meeting you there!

**Contact person:** ADVANTAGE AUSTRIA Kraków, Łukasz Kopeć T +48 12 428 49 00, krakow@advantageaustria.org

#### EVENT PROGRAM | Buliding B1 hall H-24

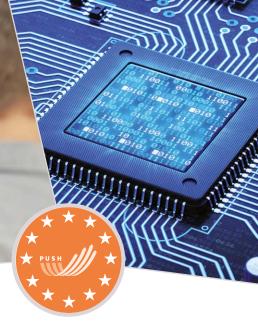
14:45-15:15	Registration and Welcome Coffee
15:15-15:25	Opening and Welcome prof. dr hab. inż. Robert Stala, AGH University of Science and Technology prof. AGH, dr hab. inż. Adam Penczek, AGH University of Science and Technology Konstantin Bekos, Commercial Counsellor, Austrian Embassy in Warsaw
15:25-15:45	Introduction Infineon Technologies Austria, IPCEI and Start Up's Andreas Mühlberger, Infineon Technologies Austria AG
15:45-16:00	Interdisciplinary Research Laboratory sharing resources and knowledge exchange at the Faculty of Electrical Engineering, Automatics, Computer Science, and Biomedical Engineering prof. AGH, dr hab. inż. Adam Penczek
16:00-17:00	Thematic Session Intelligent Power Distribution for12V/24V and 48V Automotive ApplicationsHans Peter Kreuter, Infineon Technologies Austria AG
17:00-17:15	Interactive Part / Q&A session







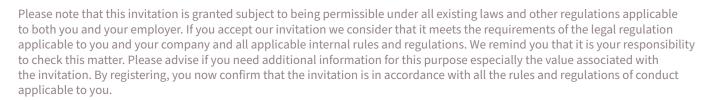




# Join our Mission Future!

IPCEI on Microelectronics is the largest pan-European initiative in the field of microelectronics. It opens significant opportunities for universities, research institutions, industry representatives, start-ups and engineering students from across Europe to address technological, market and societal challenges that could not otherwise be tackled. Infineon Austria is part of this strategic effort. We call it our Mission Future. You, too, can join our Mission Future and benefit from many opportunities! For more information about our Mission Future and IPCEI Microelectronics, visit www.infineon.com/ ipceimeaustria

**Infineon** is a globally leading semiconductor player with more than 50.000 employees. We are leading in automotive, power management energy efficient technologies and the IoT while Global megatrends underline the increasing importance of microelectronics.



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