



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 Kopec
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 for 12V/24V and 48V Automotive Applications Hans 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.



Please note that this invitation is granted subject to being permissible under all existing laws and other regulations applicable to both you and your employer. If you accept our invitation we consider that it meets the requirements of the legal regulation applicable to you and your company and all applicable internal rules and regulations. We remind you that it is your responsibility to check this matter. Please advise if you need additional information for this purpose especially the value associated with the invitation. By registering, you now confirm that the invitation is in accordance with all the rules and regulations of conduct applicable to you.

Bitte haben Sie Verständnis dafür, dass diese Einladung unter dem Vorbehalt steht, dass sie nach den für Sie und Ihren Arbeitgeber jeweils geltenden gesetzlichen und sonstigen Regelungen zulässig ist und dass insbesondere möglicherweise erforderliche Genehmigungen erteilt worden sind. Wir gehen davon aus, dass Sie das prüfen und sicherstellen. Bitte lassen Sie uns wissen, wenn Sie zu diesem Zweck weitere Informationen, insbesondere zu dem mit der Einladung verbundenen Wert, benötigen. Mit Ihrer Anmeldung bestätigen Sie uns, dass Sie die Einladung nach den für Sie geltenden Vorschriften und Verhaltensregeln annehmen dürfen.