

WELCOME TO OUR WINTER SCHOOL!

Chalmers MC2, Gothenburg (SE), January 15 – 17, 2020

With speakers from:



Technology and Integration Platforms for Future mm-wave Communication and Radar Applications

We have compiled a comprehensive three-day program where renowned international experts from academia and leading industries give tutorial talks on up-to-date research trends for future wireless technology – from semiconductors to millimeter wave systems!

Wednesday Jan 15, 13:00-17:00

Trends and Requirements in Emerging Wireless Systems

- 5G and beyond mobile communications (Ericsson)
- Sensor technologies for automotive industry (Veoneer)
- Short-range mm-wave radar sensors for airborne applications (FOI)

Social Activity & Dinner

Thursday Jan 16, 08:30-12:00

Technology and Circuits for mm-wave Communication and Sensing

- Silicon technology trends (Infineon)
- Gallium Nitride technology trends (Chalmers, OMMIC)
- SiGe circuit design research (Ericsson, Chalmers)
- GaN circuit design research (MC2 technologies, Chalmers, Ericsson)

Common Lunch

Thursday Jan 16, 13:00-17:00

Emerging mm-wave Technologies and System Integration

- Packaging and system-integration platforms with integrated antennas (Fraunhofer IZM)
- Micromachining for mm-wave and sub-mm-wave components systems (KTH)

Lab Tours

Friday Jan 17, 08:30-11:00

System Level Design and Analysis

- Mm-wave communication and radar sensing: Basic principles and research trends (TU Berlin)
- Multi-physics simulation of mm-wave systems (Chalmers)

Friday Jan 17, 11:00-12:00

Concluding Discussions

Special thanks to our local sponsors:



Organised by:



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