

Are you a PhD student and interested in knowing more about the emerging technologies and research trends that drive the development of future wireless communication and radar systems?

THEN SIGN UP FOR OUR WINTER SCHOOL!

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

With speakers from:



Credits: Students get 1,5 ECTS credits upon active participation and completed homework exercise.

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)

Registration:

Free for PhD students! Registration open for PhD students until November 30th. From December 1st to 15th it is open to all. Number of seats are limited so register early: www.winterschool.site

A recommendation letter from your supervisor must be attached to the registration.

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, 08:30-12:00

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, 12:00-14:00

Concluding discussions

Address:

Chalmers University of Technology, Department of Microtechnology and Nanoscience, Kemivägen 9, SE-41296 Göteborg, Sweden

Main Contact:

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Recommended Hotel: Quality Hotel Panorama, Göteborg

Special thanks to our local sponsors:



Organised by:



This work was funded by the projects car2TERA, GRACE and SERENA of the European Union's Horizon 2020 research and innovation programme under grant agreement No. 824962, 821270 and 779305.