WEDNESDAY 08:30 – 12:30

High Resolution Radar Technologies for Future Automotive Systems

WW02
EuMC/
EuRAD

Chair: Stephan Kruse[1]
Co-Chair: Ulf Johannsen[2]
[1]University of Paderborn , [2]Eindhoven University of Technology

Room: Juliana 1

High-resolution radar could be a key enabler for high-level autonomous driving. This workshop provides an overview of the latest trends and outcomes in high-resolution radar systems. Participants will gain insights into radar system design and implementation, state-of-the-art pure electronic radar, photonic radar, and integration techniques. The industrial keynote talk will explore the role of high-resolution radar in automotive safety. Subsequent scientific presentations will cover the latest advancements in pure electronic radar circuit and system design, photonic radar, antenna integration, and packaging using MID processes.

PROGRAMME

Resolution matters!

Marc-Michael Meinecke[1]
[1]Volkswagen AG

Radar: Today & Tomorrow

Kostas Doris [1]
[1]NXP Semiconductors

Considering Photonic Integration in System Design

Antonella Bogoni [1]
[1]PNTLab CNIT

Application of MID technology for the creation of RF components

Thomas Mager [1]
[1]Fraunhofer IEM

Series-Fed Dipole Array for D-Band Sensing in Wafer Level Package Technology

Martijn de Kok [1]
[1]TNO