Title: **Towards Robust Imaging with Radars**
Presenter name: **Tunc Alkanat**
Company name / Institute: NXP
Project name: <your related EU innovation project, if any>
Abstract can be published on the website (select): ☒ **YES** ☐ **NO**

Bio

Tunc Alkanat is an AI/ML specialist at NXP Semiconductors, working at the intersection of radar sensing, machine learning, and edge computing. His work focuses on robust radar perception, multi-modal sensing, and efficient deployment of deep learning algorithms on embedded devices. He received his Ph.D. from Eindhoven University of Technology (TU/e) in 2024, with research spanning computer vision, anomaly detection, and intelligent sensing.



Abstract

Radar has become a key sensing technology for automotive perception, and its role is rapidly expanding into robotics and other autonomous systems. In his keynote, Tunc Alkanat will discuss the unique capabilities of radar, the challenges of sensing in complex and dynamic environments, and emerging applications beyond today's systems. He will highlight advances in algorithms that improve the robustness and reliability of radar perception under challenging real-world conditions. The talk will also explore how machine learning can complement traditional approaches to further enhance the robustness of radar sensing.