

Host Institutions & Topics of Interest

Candidates will select their desired host Institution and corresponding topic of interest from the list provided below. A minimum of 2 hosts in a ranked order should be selected.

#	Host institution	Point of contact	Topics
1	Thales NL the Netherlands	Willem Hol	<ul style="list-style-type: none"> • Radar system and suite related concepts • RF front-ends • Algorithms, signal and data processing including e.g. machine learning for classification • Internship at Delft or Hengelo depending on topic
2	Rfmicrotech Italy	Roberto Sorrentino	<ul style="list-style-type: none"> • Microwave Filters • Active and scanning antennas • Microwave & RF components for space applications • Microwave industrial sensors
3	TNO the Netherlands	Frank van den Bogaart	<ul style="list-style-type: none"> • RF electronics, MMICs • Antennas • Passive and active filters • Radar signal processing • Radar concepts & architectures • Quantum (radar) sensing
4	IEMN Lille France	Guillaume Ducournau Kamel Haddadi	<ul style="list-style-type: none"> • On-wafer S-parameters measurements up to 750GHz: design of calkits and associated calibration procedures • Passive and active devices characterizations • Measurement of antenna based systems in 140-650 GHz frequency range for mm-wave communication applications • V-band RADAR development for vital signals detection. (Master)

5	XLIM France	Dominique Baillargeat	<ul style="list-style-type: none"> • RF front-ends (antennas, passive and active components) • Heterogeneous 3D integration • RF nanopackaging / RF nanotechnologies • Additive manufacturing • Design / Fabrication / Characterization
6	University of Pavia Italy	Luca Perregri	<ul style="list-style-type: none"> • Components and systems in substrate integrated waveguide technology • Additive manufacturing of microwave components • Antennas for telecom and space communication • Numerical methods for analysis and design of passive components • Mm-wave imaging system for medical applications
7	Ferdinand-Braun-Institute (FBH) Germany	Wolfgang Heinrich	<ul style="list-style-type: none"> • Microwave Power Amplifiers: Digital Transmitters • Electromagnetic Simulation • On-wafer antenna measurements • On-wafer MIMO measurements
8	Fraunhofer FHR Germany	Peter Knott	<ul style="list-style-type: none"> • 3D Radar Imaging • Waveform design with Artificial Intelligence • Forward Scatter Radar • Multi-function sensors and distributed radars • Antenna measurement techniques • Propagation effects