

# RF Summit Finland 2025

University of Oulu

Oulu, Finland

19.3.2025

# Welcome to the 3rd RF Summit Finland

In Saalasti Hall, University of Oulu and on-line

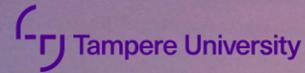
# Program



9:00-9:30	Registration & coffee & posters
9:30-9:40	Opening: Jukka-Pekka Pietilä, Nokia & Aarno Pärssinen, University of Oulu
9:40-10:05	Bittium Veturi program and view for using modern modeling methods in RF, Jari Jauhiainen, Bittium
10:05-10:30	Energy Efficiency – Impacts on BTS radio design and how to manage these?, Jari Huttunen, Nokia
10:30-10:55	Millimeter-wave antenna arrays, Juha Ala-Laurinaho, Aalto University
10:55-11:20	Practical experiences from realistic inductor and capacitor models in circuit synthesis, Jussi Rahola, Optenni
11:20-12:30	Lunch & posters
12:30-13:10	RF-sampling ADCs for next generation wireless applications, Keynote talk by Nereo Markulic, imec
13:10-13:35	Advancements in Antenna Arrays, Matti Kuosmanen, SAAB
13:35-14:00	Modular 3D mmW & THz packaging, Mikko Varonen, VTT
14:00-14:30	Coffee & posters
14:30-14:55	Targets & benefits of Load Insensitive Power Amplifier, Antti Rauhala, CoreHW
14:55-15:20	Balanced Integrated mmWave Power Amplifiers and Analog Linearization, Janne Aikio, University of Oulu
15:20-15:45	Recent Advances in Digital Predistortion (DPD) Methods, Lauri Anttila, Tampere University
15:45-16:10	E/D bands Far Field Antenna Measurements, Jani Kallankari, Verkotan
16:10-16:15	Closing

# Welcome – Jukka-Pekka Pietilä, Nokia



NOKIABittiumUNIVERSITY  
OF OULUCoreHWRF SUMMIT  
FINLANDTampere UniversitySAABA" Aalto University  
School of Electrical  
EngineeringVerkotanBUSINESS  
FINLANDVTTSENFITOPTENNI

# RF ECO<sup>3</sup>

New project for 2025-2027 funded by Business Finland for radio frequency (RF) design for ultra-fast communication and potential for high-resolution sensing in forthcoming 6G radio systems towards ecological and economic benefits for society and industry.

Part of Nokia and Bittium Veturi Ecosystems

# Registration

By March 15

- Registered attendees 300
- 2/3 on-site
- 1/3 on-line
- 70 different organizations
- From Finland, Europe, Asia and North America

## Golden sponsors

ROHDE & SCHWARZ  
Make ideas real



NOKIA



Bittium

## Silver sponsors

Verkotan 

 OPTENNI

 SENFIT

CoreHW

Anritsu  
Advancing beyond

  
TagoreTech  
Mission Critical Connectivity

 KEYSIGHT  
TECHNOLOGIES

# Organizers



Organizing committee: Aarno Pärssinen, Aimo Vainio, Nuutti Tervo, Marko Leinonen, Ville Viikari, Pekka Rantakari, Jukka-Pekka Pietilä, Saira Tammelin, Teuvo Heikkinen, Jari Jauhiainen



# Local arrangements

## Core team

- Renata Kordasne Sebö
- Anne Kiiskinen
- Sallamaari Syrjä
- Sumit Singh
- Nuutti Tervo
- Aimo Vainio

## Student volunteers

- Yasir Shafiullah
- Mikko Kaikkonen
- Shrayan Das
- Ahmad Awan
- Adnan Ali
- Leeladhar Bodu
- Mikko Hietanen
- Bilal Khan
- Aissa Azzaz
- ...



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