



9:30

Welcome & opening

Bert Krikke, Noviotech Campus
Bram Nauta, UT, conference host

9:35



Keynote

Electromagnetics for care & cure - from bench to bedside
Maarten Paulides
Eindhoven University of Technology

10:15



PhD pitches

- 5G beamforming ICs in a large-scale active transmit array for Ka-band tracking radar Martijn de Kok, TUE
- A 4x4 607 GHz harmonic injection-locked receiver array achieving 4.4pW/√Hz
NEP in 28nm CMOS Ariane De Vroede, KU Leuven
- Non-isolated patch antenna combiner for mm-wave outphasing applications Meerten Versluis, TUE

10:45

Break

11:15



System design

Directional neutral broadband RF technology
for one-touch Docsis network upgrades
Johan van der Tang
Technetix



Test & measurement

Noise figure and noise temperature: a practical
how-to for the real world, from design to debug
Philip Sanders
AboveRF

11:45



System design

Into the design of a 144 GHz MIMO FMCW
radar demonstrator
Kristof Vaesen
Imec



Test & measurement

Novel methodology for high-frequency circuit
stability analysis
Sergey Baranchikov
Keysight

12:15

Lunch

13:45



Packaging

Innovative semiconductor packaging material
developments for next-gen RF applications
Ruud de Wit
Henkel Electronic Materials



Test & measurement

Efficient compressed sensing-based fault
diagnosis in arrays of antennas
Francesco Ferranti
VUB

14:15

Break

14:45



System design

Analog transport and optical beamforming for
mm-wave beyond-5G signals
Simon Rommel
Eindhoven University of Technology



Test & measurement

Towards autonomous on-wafer RF probing
Faisal Mubarak
VSL

15:15



System design

RF beamformer control, measurement, mode-
ling and simulation
Arnaud Delias
Amcad Engineering



Test & measurement

Practical challenges of making
S-parameter measurements at 220 GHz
for on-wafer device modeling
Christian Sattler
Anritsu

15:45

Break

16:15



PhD pitches

- A wideband mm-wave CMOS 5G transmitter Anil Kumaran, TU Delft
- GaN-on-Si HEMTs with a composite AlGaN/cGaN back barrier Rana ElKashlan, Imec/VUB
- The load-modulated linearizer - a technique for intermodulation cancellation in PA systems Anton Atanasov, UT

16:45



Keynote

Practical approaches to industrialize near-THz communication systems
Yves Baeyens
Nokia Bell Labs

17:30

Drinks and dinner