Brandenburg University of Technology Cottbus - Senftenberg

GERMAN MICROWAVE CONFERENCE

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Monday March 09

	Audimax	Hörsaal A	Hörsaal B	Seminarraum 1	Seminarraum 2
12:00	**Lunch** Room: Mensa				
12:40	**Opening Session** Chair(s): Matthias Rudolph, Alexander Kölpin | BTU **Wendelstein 7-X: The world's largest stellarator meets the world's largest microwave heating system** Torsten Stange | Max-Planck-Institute for Plasma Physics, Greifswald | Germany **Precision Measurements of Amplifier EVM: A Frequency Domain Implementation** Joel Dunsmore | Keysight Technologies, Santa Rosa | USA				
14:20		**Session 1 – Integrated PA** Chair(s): Dr. Andreas Wentzel | FBH Berlin **3.6 GHz Asymmetric Doherty PA MMIC in 250 nm GaN for 5G Applications** Andres Seidel | Technische Universität Dresden | Germany **Considerations for Through-Substrate-Via Placement in InGaAs mHEMT THz Circuits using Thin-Film Wiring** Laurenz John | Fraunhofer IAF | Germany **E-band Balanced Broadband Driver Amplifier MMIC with 1.8 THz Gain-Bandwidth Product** Benjamin Schoch | University of Stuttgart | Germany **A Phase Shifter with Integrated PA MMIC for Ka-Band Frequencies** Philipp Neininger | Fraunhofer IAF | Germany	**Session 2 – Radar Imaging** Chair(s): Prof. Viktor Krozer | Goethe University Frankfurt am Main **Differential Radar Imaging at 60 GHz for Structural Health Monitoring of Wind Turbine Blades: Preliminary Experimental Results** Dr. Jochen Moll | Goethe University Frankfurt am Main | Germany **ConvNet Transfer Learning for GPR Images Classification** Mostafa Elsaadouny | Ruhr University Bochum | Germany **Automated Defect Detection for Non-Destructive Evaluation by Radar Imaging and Machine Learning** Ingrid Ullmann | Institute of Microwaves and Photonics, Friedrich-Alexander-Universität Erlangen-Nürnberg | Germany **Non-Destructive Testing of Concrete Tunnels With Qualitative Microwave Imaging** Hadi Alidoustaghdam | Istanbul Technical University | Turkey Mehmet Çayören | Istanbul Technical University | Turkey		**Workshop R&S** **Wideband FMCW Radar Analysis**
15:40	**Coffee Break** Room: Foyer				
16:00		**Session 3 – Antennas & Antenna Arrays** Chair(s): Prof. Jan Hesselbarth | University of Stuttgart **A New Coupling Network Topology for mm-Wave Biomimetic Antenna Arrays** Patrik Grüner | Ulm University | Germany **Versatile Dielectric Waveguide Based Leaky-Wave Antenna with Open Stop-Band Suppression** Julian Tonn | University of Stuttgart | Germany **Sectorial T-shaped Dipole Antenna Array for Ku-band Satellite Communication Integrated with Compact Inverted-F GPS antenna** Xiaozhou Wang | Technische Universität Dresden | Germany **Evaluation of Different Phased Array Approaches for Orbital Angular Momentum Beam Steering** Mohamed Haj Hassan | Uni Duisburg Essen | Germany **A Novel Simulation Model for Design of Frequency Steered Slotted Waveguide Antennas in SIW Technology for Accurate Far Field Synthesis** Patrick Kwiatkowski | Ruhr-Universität Bochum | Germany	**Session 4 – Milimeterwave & THz Systems** Chair(s): Prof. Ullrich Pfeiffer | University of Wuppertal **Modeling the Noise of Transferred-Substrate InP DHBTs at Highest Frequencies** Evelyne Kaule | Brandenburg University of Technology | Germany **Simple Feedback System for Passive Mode Locked Gyro-Devices at 263 GHz** Alexander Marek | Karlsruhe Institute of Technology (KIT) | Germany **A Compact Broadband Marchand Balun for Millimeter-wave and Sub-THz Applications** Prof. Tom Keinicke Johansen | Technical University of Denmark | Denmark **Ultra-low-loss interconnection between dielectric and planar transmission line technologies for millimeter-wave applications** Benedikt Dorbath | Institute of Microwaves and Photonics, Friedrich-Alexander-Universität Erlangen-Nürnberg | Germany **Highly Integrated Scalable D-band Receiver Front-End Modules in a 130 nm SiGe Technology for Imaging and Radar Applications** Erick Aguilar | University of Erlangen-Nuremberg | Germany	**Workshop Keysight** **Complete Workflow for Amplifier Linearity Characterization and System EVM Analysis**	
17:40	**Welcome Reception** Room: Foyer				