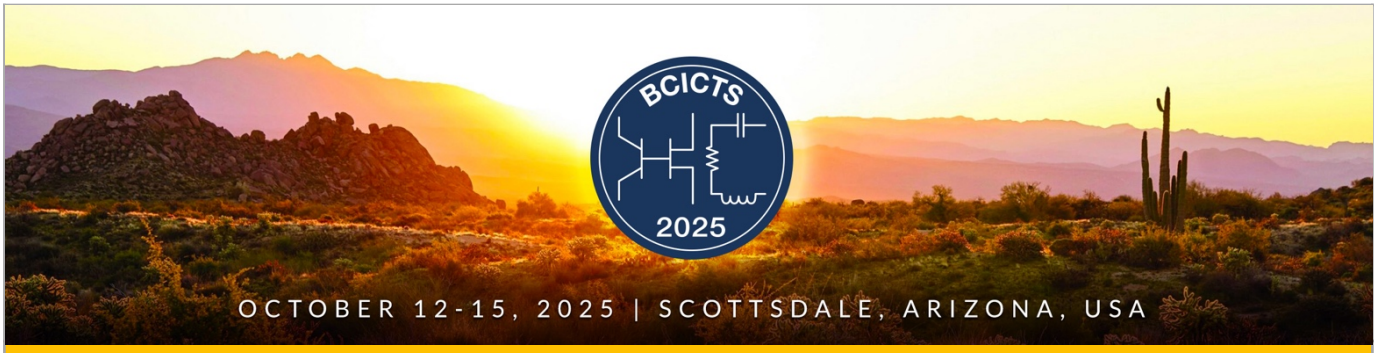


# CONFIRMED PLENARY AND INVITED SPEAKERS

| Authors | Affiliation | Title |
|---|---|---|
| Chuck Campbell | Qorvo | Plenary: Adapting, Self-Configuring and Reconfigurable Circuits and MMICs |
| Tom Winslow | MACOM | Introduction to the WSProbe |
| Xugang Ke | Zhejiang University | A 100V VIN 400W GaN Buck-Boost Converter with Adaptive Frequency Modulation and GaN Hard-Short Protection Achieving 98.6% Efficiency for Photovoltaic to Solid-State Battery System |
| Qiang Yu | Intel | Evolution of 300mm GaN-on-Si Technology with Monolithically Integrated Si PMOS: From Technology Development to RF and mmWave Circuit Demonstrations |
| Nicholas Miller | Michigan State | Simulating High-Voltage RF GaN HEMTs using Fermi Kinetics Transport |
| Dr. Petros Beleniotis | Brandenburg University of Technology | Traps in GaN HEMTs: From Characterization to Model Development and Device Optimization |
| Jeff Johnson | Globalfoundries | Technology CAD and Machine Learning: A New Paradigm for Semiconductor Technology Development |
| Christoph Weimer | TU Dresden | Long-Term RF Reliability of SiGe HBTs: Characterization and Modeling |
| Naftali Weiss | Ciena | 200 GBaud single-carrier coherent optical transmission |
| Matthew Streshinsky | Luminous Computing | 53 GBaud NRZ/PAM-4 Monolithic Opto-Electrical Transceiver in a 45nm CMOS-Silicon Photonic Process with Embedded Controller |

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|---|---|---|
| Patrick Reynaert | KU Leuven | Polymer Microwave Fiber: Redefining the Limits of Low-Power and High-Speed Communication |
| Prof. Aritra Banerjee | University of Illinois Chicago, USA | Active Load Modulation for Back-Off Efficiency Improvement in Millimeter-Wave Power Amplifiers in CMOS, SiGe, and III-V Technologies |
| Dr. Akihito Hirai | Mitsubishi Electric | Terahertz Sensing using CMOS-RFIC with High-efficiency Power Amplifier |
| Dr. Payam Heydari | UC Irvine | Innovations for 6G and Beyond: mm-Wave Wideband Digital Beamforming Transceiver Arrays for Integrated Sensing and Communication |
| Dr. Amirrreza Alizadeh | Keysight | High-Efficiency mm-Wave H-Band Power Amplifiers with Over 20% PAE |
| Michael Thompson | Cadence/Synopsys; CEA Leti | Heterogeneous integration of advanced 2.5D and 3D Ics |
| S. Andreev, K. Herman, G. D. Pietrantonio | IHP GmbH | IHP OpenPDK Initiative: Bringing Open Source to Analog and RF Design |
| Julio Costa | Globalfoundries | 3DIC Technologies for RF Mobile and Infrastructure Applications |
| Said Rami | Intel | Advancing Next Generation Wireless with Scaled FinFET Technologies. |