

IMS2010 Workshops

Rev. 5 March 2010

Sunday Workshops

| # | Title | Time |
|-----|---|---------------|
| WSA | Software Defined Radio for Microwave Applications | 08:00 – 12:00 |
| WSB | Advances in Filtering and Sampling for Integrated Transceivers | 13:00 – 17:00 |
| WSC | Interference, Noise and Coupling Effects in Modern SoC and SiP Products: Issues, Problems and Solutions | 08:00 – 17:00 |
| WSD | Ultra-Wideband (UWB) Technology: The State-of-the-Art and Applications | 08:00 – 17:00 |
| WSE | High Speed Signal Integrity Workshop | 08:00 – 17:00 |
| WSF | GaN For High Power, High Bandwidth Applications, Finally Fulfilling the Promise | 08:00 – 17:00 |
| WSG | MOSFET Modeling for RFIC Design Based on the Industry-Standard PSP Model | 08:00 – 12:00 |
| WSH | Power Management for Integrated RF Circuits: Challenges and Solutions | 08:00 – 17:00 |
| WSI | Substrate Integrated Circuits (SICs) | 08:00 – 17:00 |
| WSJ | Re-configurable Multi-Radios at the Nanoscale | 08:00 – 17:00 |
| WSK | Multi-Mode Front End Design Challenges and Techniques | 08:00 – 17:00 |
| WSL | Silicon-Based Technologies for Millimeter-Wave Applications | 08:00 – 17:00 |
| WSM | RF Packaging Solutions for Wireless Communication Platforms | 08:00 – 17:00 |
| WSN | The State of Art of Microwave Filter Synthesis, Optimization and Realization | 08:00 – 17:00 |

Monday Workshops

| # | Title | Time |
|-----|--|---------------|
| WMA | SiGe HBTs towards THz operation | 08:00 – 17:00 |
| WMB | Advances in Photovoltaic solar cell technology and its possible applications in microwave communications systems as an energy source | 08:00 – 17:00 |
| WMC | Recent Advancements and Challenges in mm-Wave Applications and Systems | 08:00 – 17:00 |
| WMD | New microwave devices and materials based on nanotechnology | 08:00 – 17:00 |
| WME | High-Power-Density Packaging of Gallium Nitride | 08:00 – 12:00 |
| WMF | High Efficiency, High Power Microwave Amplifiers for High Data Rate Space Communications | 13:00 – 17:00 |
| WMG | Ultra-high Speed Microwave and Photonic Devices and Systems: How Will They be Tested? | 08:00 – 12:00 |
| WMH | 3D Microwave and Millimeter-Wave Packaging | 08:00 – 17:00 |
| WMI | Making Reliable Measurements at Millimeter and Submillimeter Wavelengths | 08:00 – 17:00 |
| WMJ | Recent Advances in Reconfigurable Filters | 08:00 – 17:00 |
| WMK | RF MEMS For Antennas and Integrated RF Front End | 08:00 – 17:00 |

Monday Short Courses

| # | Title | Time |
|------|---|---------------|
| SC1 | Theory and Design of Phase Locked Loops | 08:00 – 17:00 |
| SC2 | Low Phase Noise Oscillators: Lecture (theory and design) and Laboratory | 08:00 – 17:00 |
| SC2A | Low Phase Noise Oscillators: Lecture only | 08:00 – 12:00 |
| SC3 | Microwave Packaging and Manufacturing 101 | 13:00 – 17:00 |

Friday Workshops

| # | Title | Time |
|-----|--|---------------|
| WFA | The Expanding Role of GaN in RF Systems | 08:00 – 12:00 |
| WFB | Wireless Power Transmission | 08:00 – 12:00 |
| WFC | Millimeter-Wave SiGe/CMOS and III-V Chips and Imaging Systems | 08:00 – 17:00 |
| WFF | New Theories, Applications and Practices of Electromagnetic Field Simulators | 08:00 – 17:00 |
| WFG | Emerging Optical Modulator Technologies for RF Photonics | 08:00 – 17:00 |
| WFH | How to Start a Microwave Business | 08:00 – 12:00 |
| WFI | Practical Metamaterial RF and Antennas for Commercial Application | 08:00 – 12:00 |