

# 1996 IEEE MTT-S INTERNATIONAL MICROWAVE SYMPOSIUM — SCHEDULE OF EVENTS

|                           |  |  |  |   |   |   |
|---------------------------|--|--|--|---|---|---|
| <b>SUNDAY, JUNE 16</b>    | <b>WORKSHOP REGISTRATION</b>                                       |  | <b>7:00 TO 9:00 AM</b>                                   |   | <b>LOWER LOBBY MOSCONE CONVENTION CENTER (MCC)</b>                    |   |
|                           | <b>IMS REGISTRATION</b>  |  | <b>5:00 TO 9:00 PM</b>                                   |   | <b>MCC LOBBY</b>  |   |
|                           | <b>MMWMC RECEPTION</b>   |  | <b>7:00 PM TO 10:00 PM</b>                               |   | <b>HILTON HOTEL, IMPERIAL</b>   |   |
| 8:00 AM–5:00 PM           | WSFA   | Digital Cellular Telephones                            | MCC Rm. 123/120  | WSFB  | Application of Wavelets to Electromagnetics                           | MCC, Rm. 124                                |
| 1:00 PM–5:00 PM           | WSHC   | Microwave Photonic Systems                             | MCC, Rm. 125   |   |   |   |
| <b>MONDAY, JUNE 17</b>    | <b>REGISTRATION</b>  |  | <b>7:00 AM TO 5:00 PM</b>                                |   | <b>MCC</b>  |   |
|                           | WMFA   | Nonlinear CAD  | MCC, Rm. 130   | WMFE  | Accurate On-wafer Measurements  | MCC, Rm. 122                                |
|                           | WMFB   | EM Wave Interaction                                    | MCC, Rm. 120   | WMFF  | Nonlinear RF and MW Characterization                                  | MCC, Rm. 132                                |
|                           | WMFC   | Device Field Interaction                               | MCC, Rm. 121   | WMFG  | Multilayer MW Circuits  | MCC, Rm. 133                                |
|                           | WMFD   | Digital Wireless Communications                        | MCC, Rm. 131   |   |   |   |
|                           | WMHH   | MW/mm-wave Modules                                     | MCC, Rm. 123   | WMHJ  | Ferrite CAD and Applications  | MCC, Rm. 125                                |
|                           | WMHI   | Propagation in Urban Areas                             | MCC, Rm. 124   |   |   |   |
|                           | PMOA   | Low Voltage Low Power Consumption RFICs                |  |   |   | MCC, Rm. 102                                |
|                           | WMHK   | Wireless Power Transmission                            | MCC, Rm. 123   | WMHM  | Technology for Base Stations  | MCC, Rm. 125                                |
|                           | WMHL   | Active Aperture/TR Modules                             | MCC, Rm. 124   |   |   |   |
| <b>TUESDAY, JUNE 18</b>   | <b>MMWMC SYMPOSIUM</b>   |  | <b>8:30 AM TO 5:00 PM</b>                                |   | <b>MCC, Rm. 103, 134/135</b>  |   |
|                           | <b>MICROWAVE JOURNAL/MTT-S</b>                                     |  | <b>6:00 PM TO 8:30 PM</b>                                |   | <b>HYDE STREET PIER</b>   |   |
|                           | <b>REGISTRATION</b>  |  | <b>7:00 AM TO 5:00 PM</b>                                |   | <b>MCC</b>  |   |
|                           | <b>MMWMC SYMPOSIUM</b>   |  | <b>8:00 AM TO 5:50 PM</b>                                |   | <b>MCC</b>  |   |
|                           | <b>EXHIBITION AND MICROWAVE APPLICATION &amp; PRODUCT SEMINARS</b> |  | <b>9:00 AM TO 5:00 PM</b>                                |   | <b>MCC</b>  |   |
|                           | <b>RM 135</b>  |  | <b>RM 132</b>  |   | <b>RM 134</b>   |   |
|                           | <b>RM 133</b>  |  | <b>RM 130</b>  |   |   |   |
|                           | TU1A: Low Noise mm-wave MMICs                                      | TU1B: Automotive Applications of Microwave and mm-wave | TU1C: High Power Sources and Control Components          | TU1D: Hybrid MCM Techniques & Applications              | TU1E: Nonreciprocal Ferrite & Semiconductor Devices                   |   |
|                           | TU2A   | Plenary Session  |  |   |   | MCC, Rm. 102/103/104                        |
|                           | PTUB   | Design Issues for Silicon Based RF/Microwave ICs       |  |   |   | MCC, Rm. 120/123                            |
| <b>WEDNESDAY, JUNE 19</b> | 8:00 AM–9:50 AM  | System Applications of mm-wave ICs—When?               |  |   |   | MCC, Rm. 121/124                            |
|                           |  | TU3A: Large Signal Generation & Amplification          | TU3B: New Guiding & Radiative Effects on Planar Circuits | TU3C: Frequency Domain Modeling of Microwave Structures | TU3D: Historical Perspectives on Microwaves in San Francisco Bay Area | TU3E: Packaging & Interconnect Technologies |
|                           | 10:15 AM–12:00 PM  |  |  |   |   |   |
|                           | 12:15 PM–1:35 PM   |  |  |   |   |   |
|                           | 1:40 PM–3:30 PM  |  |  |   |   |   |
|                           | 4:00 PM–5:50 PM  |  |  |   |   |   |
|                           | 7:00 PM–9:00 PM  |  |  |   |   |   |
|                           | RTUA   | Commercial MW Product Development: Business Issues     |  |   |   | Hilton Hotel, Franciscan D                  |
|                           | <b>REGISTRATION</b>  |  | <b>7:00 AM TO 5:00 PM</b>                                |   | <b>MCC</b>  |   |
|                           | <b>EXHIBITION AND MICROWAVE APPLICATION &amp; PRODUCT SEMINARS</b> |  | <b>9:00 AM TO 5:00 PM</b>                                |   | <b>MCC</b>  |   |
| <b>THURSDAY, JUNE 20</b>  | 8:00 AM–9:50 AM  | WE1A: Low loss Acoustic Filters                        | WE1B: TLM Modeling of Microwave Structures               | WE1C: Filters I   | WE1D: Microwave/mm-wave/Optical Applications in PCS                   | WE1E: mm-wave Systems & Components          |
|                           | 10:20 AM–12:10 PM  | Student Paper Competition                              |  |   |   | MCC, Rm. 125                                |
|                           | 10:20 AM–12:10 PM  | WE2A: Power Amps, Wireless Amps                        | WE2B: Time Domain Techniques                             | WE2C: Filters II  | WE2D: Personal Communications via Satellites                          | WE2E: Control and Frequency Translation     |
|                           | 12:15 PM–1:30 PM   | PWED Effective CAD: A Dilemma of Models                |  |   |   | MCC 120/123                                 |
|                           | 1:40 PM–3:30 PM  | Student Paper Competition                              |  |   |   | MCC, Rm. 125                                |
|                           | 1:40 PM–3:30 PM  | WE3A: Power Amplifier Technology                       | WE3B: Integral Equation Based Numerical Analysis         | WE3C: CAD Methodology                                   | WE3D: Wireless Technology   | WE3E: Power Dividers & Couplers             |
|                           | 2:30 PM–5:00 PM  | Open Forum   |  |   |   | MCC, Rm. 102/103                            |
|                           | 4:00 PM–5:50 PM  | WE4A: Biological Effects                               | WE4B: Quasi-optical Amps and Systems                     | WE4C: Micromachining for MW and mm-wave Applications    | WE4D: Commercial & Space MW System Applications                       | WE4E: Passive Components Technology         |
|                           | <b>INDUSTRY-HOSTED COCKTAIL RECEPTION</b>                          |  | <b>6:00 PM TO 7:30 PM</b>                                |   | <b>HILTON HOTEL, GRAND BALLROOM B</b>                                 |   |
|                           | <b>MTT-S AWARDS BANQUET</b>  |  | <b>7:45 PM TO 10:15 PM</b>                               |   | <b>HILTON HOTEL, GRAND BALLROOM A</b>                                 |   |
| <b>FRIDAY, JUNE 21</b>    | <b>REGISTRATION</b>  |  | <b>7:00 AM TO 5:00 PM</b>                                |   | <b>MCC</b>  |   |
|                           | <b>EXHIBITION</b>  |  | <b>9:00 AM TO 3:00 PM</b>                                |   | <b>MCC</b>  |   |
|                           | 8:00 AM–9:50 AM  | TH1A: Low Noise Devices & Circuits                     | TH1B: Quasi-optical Modulators & Oscillators             | TH1C: Mario Maury Memorial Session                      | TH1D: High Speed Lightwave Comm. Systems                              | TH1E: Linear Device Modeling                |
|                           | 10:20 AM–12:10 PM  | TH2A: Progress in High Speed Digital Applications      | TH2B: Nonlinear Modeling & Analysis                      | TH2C: Scattering Parameter & Dielectric Measurements    | TH2D: Microwave Photonic Devices                                      | TH2E: CAD Techniques using Field Theory     |
|                           | 12:15 PM–1:35 PM   | PTHE Solderless Interconnects for Microwave Modules    |  |   |   | MCC, Rm. 120/123                            |
|                           | 1:40 PM–3:30 PM  | TH3A: Superconductor Microwave Technology              | TH3B: Sources  | TH3C: Mapping of Fields & Waves in IC Structures        | TH3D: Microwave Photonic Systems                                      | TH3E: Phased Arrays                         |
|                           | 2:30 PM–5:00 PM  | Open Forum   |  |   |   | MCC, Rm. 102/103                            |
|                           | 4:00 PM–5:50 PM  |  | TH4B: Chaos in Microwave Systems                         |   |   |   |
|                           | <b>ARFTG CONFERENCE</b>  |  | <b>8:30 AM TO 5:00 PM</b>                                |   | <b>MCC, Rm. 220/226</b>   |   |
|                           | <b>ARFTG EXHIBITION</b>  |  |  |   | <b>MCC, Rm. 200/212</b>   |   |
| <b>SATURDAY, JUNE 22</b>  | 8:00 AM–5:00 PM  | WFFA: Dielectric Resonators                            | MCC, Rm. 130   | WFFF: Everything You Wanted to Know about Noise         | MCC, Rm. 132  |   |
|                           |  | WFFB: The Role of Superconductors                      | MCC, Rm. 125   | WFFG: Wireless LAN — What's Next?                       | MCC, Rm. 133  |   |
|                           |  | WFFC: Technology for Intelligent Vehicles              | MCC, Rm. 131   | WFFH: Global EM Simulators                              | MCC, Rm. 122  |   |
|                           |  | WFFE: Photonics for MW Antenna                         | MCC, Rm. 124   | WFFI: Statistical Based Design Techniques               | MCC, Rm. 123  |   |
|                           | 8:00 AM–12:00 PM   | WFFB: Mixer Design for MW & mm-wave                    | MCC, Rm. 120   |   |   |   |
|                           |  | WFFJ: Design Oriented MW Education                     | MCC, Rm. 121   |   |   |   |