

# 1991 IEEE/MTT-S International Microwave Symposium — Schedule of Events

|   |   |   |  |  |
|---|---|---|--|--|
| <b>SUNDAY, JUNE 9</b>                               | <i>Registration</i> 5:00 p.m. – 9:00 p.m. Hynes Convention Center (Level 2)<br><i>MMWMC Reception</i> 7:00 p.m. – 10:00 p.m. Marriott Copley Place (Grand Ballroom)   |   |  |  |
| <b>MONDAY, JUNE 10</b><br>8:00 a.m. – 5:00 p.m.     | <b>Workshops</b> Hynes Convention Center (Level 3)<br><b>WSD</b> UHF and Active Filter Technology Room 313<br><b>WSG</b> Noise Concepts in Microwave Systems Room 305<br><b>WSH</b> Amplifier Noise Measurements Room 310   |   |  |  |
| 8:00 a.m. – 12:30 p.m.                              | <b>WSA</b> Microwave Photonic Systems Room 311<br><b>WSC</b> Microwave Superconductivity Short Course Room 309<br><b>WSE/F</b> Packaging (joint session) Room 312   |   |  |  |
| 8:00 a.m. – 12:00 p.m.                              | <b>WSE</b> New Packaging Techniques for MMICs and Discrete Devices Room 309<br><b>WSF</b> Loss, Crosstalk and Package Effects in Microwave and Millimeter-wave ICs Room 312<br><b>WSB</b> Optical Probing of Microwave Circuits and Materials Room 311  |   |  |  |
| 1:00 p.m. – 5:00 p.m.                               | <b>WSE</b> New Packaging Techniques for MMICs and Discrete Devices Room 309<br><b>WSF</b> Loss, Crosstalk and Package Effects in Microwave and Millimeter-wave ICs Room 312<br><b>WSB</b> Optical Probing of Microwave Circuits and Materials Room 311  |   |  |  |
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| 6:00 p.m. – 8:00 p.m.                               | <i>Microwave Journal</i> Cocktail Reception Museum of Science<br><i>MMWMC Symposium</i> Hynes Convention Center<br><i>MMWMC Panel Sessions</i> Hynes Convention Center (Rooms 309 and 310)  |   |  |  |
| 8:00 a.m. – 5:00 p.m.                               | <i>Microwave Journal</i> Cocktail Reception Museum of Science<br><i>MMWMC Symposium</i> Hynes Convention Center<br><i>MMWMC Panel Sessions</i> Hynes Convention Center (Rooms 309 and 310)  |   |  |  |
| 8:00 p.m. – 10:00 p.m.                              | <i>Microwave Journal</i> Cocktail Reception Museum of Science<br><i>MMWMC Symposium</i> Hynes Convention Center<br><i>MMWMC Panel Sessions</i> Hynes Convention Center (Rooms 309 and 310)  |   |  |  |
| <b>TUESDAY, JUNE 11</b><br>8:30 a.m. – 10:00 a.m.   | <i>Registration</i> 8:00 a.m. – 5:00 p.m. Microwave Exhibition 9:00 a.m. – 5:00 p.m. Hynes Convention Center (Level 2)<br><b>Plenary Session</b> Dr. Norman Ramsey, Keynote Speaker Hynes Convention Center Ballroom (Level 3)  |   |  |  |
|   | Hynes Convention Center   |   |  |  |
|   | BALLROOM A  | BALLROOM B  | BALLROOM C   | ROOM 302   |
| 10:30 a.m. – 12:00 p.m.                             | <b>A</b> Receiver Circuits I<br>(Joint with MMWMC)  | <b>B</b> Non Linear Modeling<br>& Analysis                    | <b>C</b> MIT Radiation Laboratory  | <b>D</b> Student Papers<br>Competition I                           |
| 12:00 p.m. – 1:30 p.m.                              | <b>Panel Sessions</b> Hynes Convention Center<br><b>PSA</b> Packaging: Is There a Need for Domestic Suppliers? Room 309<br><b>PSB</b> GaAs MMICs for Consumer Applications Room 310   |   |  |  |
| 2:30 p.m. – 5:00 p.m.                               | <b>Open Forum I</b> Hynes Convention Center (Rooms 304-306)   |   |  |  |
| 1:30 p.m. – 3:00 p.m.                               | <b>E</b> Receiver Circuits II<br>(Joint with MMWMC)   | <b>F</b> Microwave Integrated<br>Circuits                     | <b>G</b> Multi-GHz Lightwave<br>Transmission Systems                           | <b>H</b> Student Papers<br>Competition II<br>1:30 p.m. – 2:30 p.m. |
| 3:30 p.m. – 5:00 p.m.                               | <b>I</b> Power Amplifiers<br>(Joint with MMWMC)   | <b>J</b> Advanced Techniques of<br>Numerical Electromagnetics | <b>K</b> High Power Optical<br>Switching for Ultra Wide-<br>Band Applications  | <b>L</b> Microwave Radiometers<br>2:30 p.m. – 5:00 p.m.            |
| <b>WEDNESDAY, JUNE 12</b><br>8:30 a.m. – 10:00 a.m. | <i>Registration</i> 8:00 a.m. – 5:00 p.m. Microwave Exhibition 9:00 a.m. – 5:00 p.m. Hynes Convention Center (Level 2)  |   |  |  |
|   | <b>M</b> Monolithic Microwave ICs I   | <b>N</b> High Q Filters                                       | <b>O</b> CPW and Other<br>Discontinuities                                      | <b>P</b> Microwave/Optical Devices<br>and Circuits                 |
| 10:30 a.m. – 12:00 p.m.                             | <b>Q</b> Monolithic Microwave ICs II  | <b>R</b> Filters and Multiplexers                             | <b>S</b> New Guided-Wave<br>Leakage Effects                                    | <b>T</b> Microwave/Optical Circuits<br>and Applications            |
| 12:00 p.m. – 1:30 p.m.                              | <b>Panel Sessions</b> Hynes Convention Center<br><b>PSC</b> GaAs MMIC Insertion: How Important is Foundry Transportability of Designs? Room 309<br><b>PSD</b> Concurrent Design Engineering for Electronic Design Automation Room 310   |   |  |  |
| 2:30 p.m. – 5:00 p.m.                               | <b>Open Forum II</b> Hynes Convention Center (Rooms 304-306)  |   |  |  |
| 1:30 p.m. – 3:00 p.m.                               | <b>U</b> Field Effect Transistors   | <b>V</b> Passive Components I                                 | <b>W</b> Novel Concepts and<br>Characteristics of Planar<br>Transmission Lines | <b>X</b> Biological Effects and<br>Medical Applications            |
| 3:30 p.m. – 5:00 p.m.                               | <b>Y</b> FET and HEMT Circuits  | <b>Z</b> Passive Components II                                | <b>AA</b> Receiver Components  | <b>BB</b> Time-Resolved<br>Spectroscopy and Imaging<br>of Tissue   |
| 5:30 p.m. – 7:15 p.m.                               | <b>Industry Reception</b> Westin Hotel (Third Floor Essex Complex)  |   |  |  |
| 7:30 p.m. – 10:00 p.m.                              | <b>Awards Banquet</b> Westin Hotel (America Ballroom)   |   |  |  |
| <b>THURSDAY, JUNE 13</b><br>8:30 a.m. – 10:00 a.m.  | <i>Registration</i> 8:00 a.m. – 5:00 p.m. Microwave Exhibition 9:00 a.m. – 3:00 p.m. Hynes Convention Center (Level 2)  |   |  |  |
|   | <b>CC</b> Millimeter-wave ICs and<br>Technology I   | <b>DD</b> Ferrites and Acoustics                              | <b>EE</b> CAD Modeling for<br>Transmission Structures                          | <b>FF</b> Applications of<br>Measurement Technology                |
| 10:30 a.m. – 12:00 p.m.                             | <b>GG</b> Millimeter-wave ICs and<br>Technology II  | <b>HH</b> Microwave and Millimeter-<br>wave Packaging         | <b>II</b> 3-D Field Theory-Based CAD   | <b>JJ</b> On-Wafer and Noise<br>Measurements                       |
| 12:00 p.m. – 1:30 p.m.                              | <b>Panel Sessions</b> Hynes Convention Center<br><b>PSE</b> Is 100% RF On-Wafer Testing Necessary for MMIC Production? Room 309<br><b>PSF</b> Microwave Hardware Description Language: What Is It? Why Do We Need It? Room 310  |   |  |  |
| 1:30 p.m. – 5:00 p.m.                               | <b>ARFTG Conference</b> Westin Hotel (Third Floor Essex Complex)  |   |  |  |
| 1:30 p.m. – 3:00 p.m.                               | <b>KK</b> Microwave System<br>Applications  | <b>LL</b> Solid State Devices and<br>Circuits (Non-FET) I     | <b>MM</b> CAD for Yield and Noise<br>Characterization                          | <b>NN</b> Superconducting<br>Microwave Components                  |
| 3:30 p.m. – 5:00 p.m.                               | <b>OO</b> Phased and Active Array<br>Techniques   | <b>PP</b> Solid State Devices and<br>Circuits (Non-FET) II    | <b>QQ</b> High Power Devices and<br>Systems                                    | <b>RR</b> Superconducting Filters                                  |
| <b>FRIDAY, JUNE 14</b><br>8:30 a.m. – 3:45 p.m.     | <i>Registration</i> 8:00 a.m. – 5:00 p.m. Hynes Convention Center (Level 2)<br><b>ARFTG Conference</b> Westin Hotel (Third Floor Essex Complex)   |   |  |  |
| 8:00 a.m. – 5:00 p.m.                               | <b>Workshops</b> Hynes Convention Center (Level 3)<br><b>WSI</b> MMIC & MIC Solid State Power Amplifier Efficiency Room 310<br><b>WSJ</b> GaAs MMIC System Insertion and Multifunction Chip Design Issues and Trends Room 312<br><b>WSK</b> High Power Microwave Systems Room 313<br><b>WSL</b> Computer Applications in Electromagnetics Education Room 305<br><b>WSM</b> Design, Fabrication and Packaging of High Temperature Superconducting Microwave Devices Room 309<br><b>WSN</b> Spread Spectrum Technology in Consumer Electronics Room 311 |   |  |  |



