1991
Technical
Program

Technical Program Contents

Technical Program Contents

Session A
(Joint with MMWMC)

Receiver Circuits I
Ballroom A

10:30 a.m. to 12:00 p.m. **Tuesday, June 11, 1991**

Co-chairmen: Ho Huang—COMSAT Laboratories
Mahesh Kumar—AEL Inc.

Session B

Non Linear Modeling and Analysis
Ballroom B

10:30 a.m. to 12:00 p.m. **Tuesday, June 11, 1991**

Chairman: J. Michael Golio—Tempe, AZ

Session C

MIT Radiation Laboratory
(Special Session)
Ballroom C

10:30 a.m. to 12:00 p.m. **Tuesday, June 11, 1991**

Co-chairmen: Theodore S. Saad—Sage Laboratories
Al Hill—MIT

Session D

Student Papers Competition I
(Special Session)
Room 302

10:30 a.m. to 12:00 p.m. **Tuesday, June 11, 1991**

Chairman: Peter A. Rizzi—Southeastern MA Univ., Elect. & Comp. Engineering Dept.

Session OF-I

Open Forum I
Rooms 304-306

2:30 p.m. to 5:00 p.m. **Tuesday, June 11, 1991**

Co-chairmen: Ross Hicks—Compact Software, Paterson, NJ
Geoff Dawe—M/A-COM ASD, Lowell, MA

Session E
(Joint with MMWMC)

Receiver Circuits II
Ballroom A

1:30 p.m. to 3:00 p.m. **Tuesday, June 11, 1991**

Co-chairmen: Yusuke Tajima—Raytheon Company, Research Division
Yalcin Ayasli—Hittite, Inc.

Session F

Microwave Integrated Circuits
Ballroom B

1:30 p.m. to 3:00 p.m. **Tuesday, June 11, 1991**

Chairman: A.P.S. Khanna—Avantek Inc.

Session G

Multi-GHz Lightwave Transmission Systems
(Special Session)
Ballroom C

1:30 p.m. to 3:00 p.m. **Tuesday, June 11, 1991**

Co-chairmen: A.J. Seeds—University College, London
P.R. Herczfeld—Drexel University, Philadelphia, PA

Session H

Student Papers Competition II
(Special Session)
Room 302

1:30 p.m. to 2:10 p.m. **Tuesday, June 11, 1991**

Chairman: Peter A. Rizzi—Southeastern MA Univ., Elect. & Comp. Engineering Dept.

Session I
(Joint with MMWMC)

Power Amplifiers
Ballroom A

3:30 p.m. to 5:00 p.m. **Tuesday, June 11, 1991**

Co-chairmen: T.A. Midford—Hughes Aircraft
J.M. Schellenberg—JMS Associates

Session J

Advanced Techniques of Numerical Electromagnetics
Ballroom B

3:30 p.m. to 5:00 p.m. **Tuesday, June 11, 1991**

Chairman: Donald C. Power—Raytheon Company

Session K

High Power Optical Switching for Ultra Wide-Band Applications (Special Session)

Ballroom C

3:30 p.m. to 5:00 p.m. **Tuesday, June 11, 1991**

Chairman: Arye Rosen—David Sarnoff Research Center, Princeton, NY

Session L

Microwave Radiometers (Special Session)

Room 302

2:30 p.m. to 5:00 p.m. **Tuesday, June 11, 1991**

Chairman: K. Tomiyasu—General Electric Co., Philadelphia, PA

Session M

Microwave Monolithic ICs I
Ballroom A

8:30 a.m. to 10:00 a.m. **Wednesday, June 12, 1991**

Co-chairmen: Natalino Camilleri—Motorola, Inc. Sps.
Yi-Chi Shis—Hughes Aircraft Co.

Session N

High Q Filters
Ballroom B

8:30 a.m. to 10:00 a.m. **Wednesday, June 12, 1991**

Chairman: Rene R. Bonetti—COMSAT LABS., Clarksburg, MD

Session O

CPW and Other Discontinuities
Ballroom C

8:30 a.m. to 10:00 a.m. **Wednesday, June 12, 1991**

Chairman: Michael Dydyk—Motorola, Inc., Scottsdale, AZ

Session P

Microwave/Optical Devices and Circuits
Room 302

8:30 a.m. to 10:00 a.m. **Wednesday, June 12, 1991**

Chairman: Harold Sobol—University of Texas at Arlington, TX

Session Q

Microwave Monolithic ICs II
Ballroom A

10:30 a.m. to 12:00 p.m. **Wednesday, June 12, 1991**

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R

Co-chairmen: Hing-Loi A. Hung—COMSAT Laboratories, Clarksburg, MD
Clifford Krowne—Naval Research Laboratory

Session R

Filters and Multiplexers
Ballroom B

10:30 a.m. to 12:00 p.m. **Wednesday, June 12, 1991**

Chairman: J. Douglas Adam—Westinghouse Stc., Pittsburgh, PA

Session S

New Guided-Wave Leakage Effects
Ballroom C

10:30 a.m. to 12:00 p.m. **Wednesday, June 12, 1991**

Chairman: Arthur A. Oliner—Polytechnic University, Brooklyn, NY

Session T

Microwave/Optical Circuits and Applications
Room 302

10:30 a.m. to 12:00 p.m. **Wednesday, June 12, 1991**

Chairman: Norman R. Dietrich—AT&T Bell Laboratories, Breinigsville, PA

Session OF-II

Open Forum II
Rooms 304-306

2:30 p.m. to 5:00 p.m. **Wednesday, June 12, 1991**

Co-chairmen: Ross Hicks—Compact Software, Paterson, NJ
Geoff Dawe—M/A-COM ASD, Lowell, MA

Session U

Field Effect Transistors
Ballroom A

1:30 p.m. to 3:00 p.m. **Wednesday, June 12, 1991**

Chairman: H.J. Kuno—Hughes Aircraft Co., Torrance, CA

Session V

Passive Components I
Ballroom B

1:30 p.m. to 3:00 p.m. **Wednesday, June 12, 1991**

Chairman: Kawthar A. Zaki—Elect. Eng. Dept., Univ. of Maryland, College Park, MD

Session W

Novel Concepts and Characteristics of Planar Transmission Lines
Ballroom C

1:30 p.m. to 3:00 p.m. **Wednesday, June 12, 1991**

Chairman: Arvind K. Sharma—TRW/EGS, Redondo Beach, CA

Session X

Biological Effects and Medical Applications
Room 302

1:30 p.m. to 3:00 p.m. **Wednesday, June 12, 1991**

Chairman: Kenneth L. Carr—Microwave Medical Systems, Littleton, MA

Session Y

FET and HEMT Circuits
Ballroom A

3:30 p.m. to 5:00 p.m. **Wednesday, June 12, 1991**

Chairman: Edward C. Niehenke—Westinghouse Electric Corp., Baltimore, MD

Session Z

Passive Components II
Ballroom B

3:30 p.m. to 5:00 p.m. **Wednesday, June 12, 1991**

Chairman: Linda P.B. Katehi—University of Michigan, Ann Arbor, MI

Session AA

Receiver Components
Ballroom C

3:30 p.m. to 5:00 p.m. **Wednesday, June 12, 1991**

Chairman: James Whelehan—AIL Systems, Inc., Melville, NY

Session BB

Time-Resolved Spectroscopy and Imaging of Tissue
Room 302

3:30 p.m. to 5:00 p.m. **Wednesday, June 12, 1991**

Co-chairmen: Norman Ramsey—Harvard University, Lyman Laboratory, Cambridge, MA
Roger Powell—National Institute of Health, Bethesda, MD

Session CC

Millimeter-wave Integrated Circuits and Technology I
Ballroom A

8:30 a.m. to 10:00 a.m. **Thursday, June 13, 1991**

Chairman: James C. Wiltse—Georgia Tech Research Institute, Atlanta, GA

Session DD

Ferrites and Acoustics
Ballroom B

8:30 a.m. to 10:00 a.m. **Thursday, June 13, 1991**

Co-chairmen: Denis Webb—Naval Research Lab
Ernst Schloemann—Raytheon Research Div.

Session EE

CAD Modeling for Transmission Structures

Ballroom C

8:30 a.m. to 10:00 a.m. **Thursday, June 13, 1991**

Chairman: K.C. Gupta—University of Colorado at Boulder, Boulder, CO

Session FF

Applications of Measurement Technology

Room 302

8:30 a.m. to 10:00 a.m. **Thursday, June 13, 1991**

Chairman: John T. Barr IV—Hewlett Packard, Santa Rosa, CA

Session GG

Millimeter-wave Integrated Circuits and Technology II
Ballroom A

10:30 a.m. to 12:00 p.m. **Thursday, June 13, 1991**

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HH

Chairman: K.K. Agarwal—E-Systems, Inc., Garland Division, Plano, TX

Session HH

Microwave and Millimeter-wave Packaging
Ballroom B

10:30 a.m. to 12:00 p.m. **Thursday, June 13, 1991**

Chairman: Bert Berson—Berson & Associates, Mountain View, CA

Session II

3-D Field Theory-Based CAD

Ballroom C

10:30 a.m. to 12:00 p.m. **Thursday, June 13, 1991**

Chairman: Chuck Holmes—EEsof Inc., Westlake Village, CA

Session JJ

On-Wafer and Noise Measurements

Room 302

10:30 a.m. to 12:00 p.m. **Thursday, June 13, 1991**

Chairman: Dennis D. Poulin—Hewlett Packard, Burlington, MA

Session KK

Microwave System Applications
Ballroom A

1:30 p.m. to 3:00 p.m. **Thursday, June 13, 1991**

Chairman: Richard W. Laton—Raytheon Missile Systems Div., Bedford, MA

Session LL

Solid State Devices and Circuits (Non-FET) I
Ballroom B

1:30 p.m. to 3:00 p.m. **Thursday, June 13, 1991**

Chairman: Joseph F. White—Applied Microwave Magazine, Lexington, MA

Session MM

CAD for Yield and Noise Characterization
Ballroom C

1:30 p.m. to 3:00 p.m. **Thursday, June 13, 1991**

Chairman: Mark C. Calcatera—USAF, Wright Laboratories, WPAFB, OH

Session NN

Superconducting Microwave Components
Room 302

1:30 p.m. to 3:00 p.m. **Thursday, June 13, 1991**

Chairman: Kul Bhasin—NASA Lewis Research Center, Cleveland, OH

Session OO

Phased and Active Array Techniques
Ballroom A

3:30 p.m. to 5:00 p.m. **Thursday, June 13, 1991**

Chairman: David Rutledge—CALTECH, Pasedena, CA

Session PP

Solid State Devices and Circuits (Non-FET) II
Ballroom B

3:30 p.m. to 5:00 p.m. **Thursday, June 13, 1991**

Chairman: Joseph A. Calviello—AIL System Inc., Melville, NY

Session QQ

High Power Devices and Systems
Ballroom C

3:30 p.m. to 5:00 p.m. **Thursday, June 13, 1991**

Chairman: Don W. Reid—Los Alamos National Laboratory, Los Alamos, NM

Session RR

Superconducting Filters
Room 302

3:30 p.m. to 5:00 p.m. **Thursday, June 13, 1991**

Chairman: Barry E. Spielman—Washington University in St. Louis, St. Louis, MD