Table of Contents

Technical Program

MONDAY, JUNE 9, 2003

8:00 am–9:40 am
Room 103ABC

SESSION MO1A: 2003 RFIC SYMPOSIUM PLENARY

Chair: N. Camilleri, *RF & Wireless Design Services*
Co-Chair: S. L. Lloyd, *Skyworks Solutions, Inc.*

MONDAY, JUNE 9, 2003

10:10 am–11:50 am
Room 108AB

SESSION MO1B: RECEIVERS FOR 2G & 3G APPLICATIONS

Chair: J. Mondal, *Motorola, Inc.*
Co-Chair: F. Ali, *Nokia*

MONDAY, JUNE 9, 2003

10:10 am–11:50 am
Room 107AB

SESSION MO2B: WIRELESS DATA SYSTEM IC AND ARCHITECTURE

Chair: G. Chang, *Silicon Wave*

Co-Chair: D. Lovelace, *Standard Microsystems*

MONDAY, JUNE 9, 2003

10:10 am–11:50 am
Room 105AB

SESSION MO3B: 40-GB/S OPTICAL COMMUNICATIONS INTEGRATED CIRCUITS

Chair: K. Kornegay, *Cornell University*

Co-Chair: D.K. Shaeffer, *Big Bear Networks*

MONDAY, JUNE 9, 2003

10:10 am–11:50 am
Room 104AB

SESSION MO4B: RF VCO's

Chair: N. Camilleri, *RF & Wireless Design*

Co-Chair: Y. Deval, *Laboratories IXL*

MONDAY, JUNE 9, 2003

1:20 pm–3:00 pm
Room 108AB

SESSION MO1C: NOVEL SMALL SIGNAL CIRCUITS

Chair: L. Boglione, *Aglient Technologies*
Co-Chair: V. Nair, *Motorola, Inc.*

MONDAY, JUNE 9, 2003

1:20 pm–3:00 pm
Room 107AB

SESSION MO2C: POWER AMPLIFIERS FOR WIRELESS APPLICATIONS

Chair: T. Quach, *Motorola, Inc.*
Co-Chair: D. Ngo, *RFMD*

MONDAY, JUNE 9, 2003

1:20 pm–3:00 pm
Room 105AB

SESSION MO3C: ACTIVE DEVICE TECHNOLOGY

Chair: A. Gupta, *ANADIGICS*

Co-Chair: A. Wang, *Illinois Institute of Technology*

MONDAY, JUNE 9, 2003

1:20 pm–3:00 pm
Room 104AB

SESSION MO4C: ADVANCED SYNTHESIZERS

Chair: D. Lovelace, *Standard Microsystems*

Co-Chair: D. Nobbe, *Peregrine Semiconductor*

MONDAY, JUNE 9, 2003

3:30 pm–5:10 pm
Room 108AB

SESSION MO1D: ADVANCED PA CIRCUIT TECHNIQUES

Chair: N. Suematsu, *Mitsubishi Electric Corp.*

Co-Chair: A. Jerng, *MIT*

MONDAY, JUNE 9, 2003

3:30 pm–5:10 pm
Room 107AB

SESSION MO2D: SMALL SIGNAL SYSTEM FRONTENDS

Chair: S. Heinen, *Aachen University of Technology*

Co-Chair: R. Kagiwada, *Northrop Grumman*

MONDAY, JUNE 9, 2003

3:30 pm–5:10 pm
Room 105AB

SESSION MO3D: INDUCTOR AND SUBSTRATE MODELING

Chair: A. Westwick, *Silicon Laboratories*

Co-Chair: Y. Cheng, *Skyworks Solutions, Inc.*

MONDAY, JUNE 9, 2003

3:30 pm–5:10 pm
Room 104AB

SESSION MO4D: ADVANCED VCOs AND SYNTHESIZERS

Chair: Y. Deval, *Laboratory IXL*

Co-Chair: S.L. Lloyd, *Skyworks Solutions, Inc.*

TUESDAY, JUNE 10, 2003

10:10 am–11:50 am
Room 108AB

SESSION TU1B: RF VCO's AND SYNTHESIZERS

Chair: S. Heinen, *Aachen University of Technology*

Co-Chair: S.L. Lloyd, *Skyworks Solutions, Inc.*

TUESDAY, JUNE 10, 2003

10:10 am–11:50 am
Room 107AB

SESSION TU2B: OPTICAL SYSTEM IC'S

Chair: J. Ou, *Intel*

Co-Chair: L. Liu, *Northrop Grumman*

TUESDAY, JUNE 10, 2003

10:10 am–11:50 am
Room 105AB

SESSION TU3B: RFIC DEVICE TECHNOLOGIES

Chair: E.-Reese, *Triquint*

Co-Chair: M. Kumar, *Lockheed Martin*

TUESDAY, JUNE 10, 2003

10:10 am–11:50 am
Room 104AB

SESSION TU4B: ACTIVE DEVICE MODELING

Chair: P. Murphy, *University College Cork*

Co-Chair: J. Staudinger, *Motorola*

TUESDAY, JUNE 10, 2003

1:20 pm–3:00 pm
Room 105AB

SESSION TU1C: TRANSCEIVERS FOR CELLULAR 2G AND 3G SYSTEMS

Chair: J.C. Rudel, *Berkana Wireless*

Co-Chair: F. Ali, *Nokia*

TUESDAY, JUNE 10, 2003

1:20 pm–3:00 pm
Room 107AB

SESSION TU2C: MIXERS AND MODULATORS FOR CELLULAR APPLICATIONS

Chair: D. Nobbe, *Peregrine Semiconductor*

Co-Chair: K. Ashby, *Microtune*

TUESDAY, JUNE 10, 2003

1:20 pm–3:00 pm
Room 105AB

SESSION TU3C: CHIP SETS FOR WIRELESS DATA APPLICATIONS

Chair: J. Lin, *Agere*
Co-Chair: B. Xavier, *National*

TUESDAY, JUNE 10, 2003

3:30 pm–5:10 pm
Room 108AB

SESSION TU1D: MIXERS FOR WIRELESS LAN AND BROADBAND APPLICATIONS

Chair: K. Ashby, *Microtune*

Co-Chair: D. Nobbe, *Peregrine Semiconductor*

TUESDAY, JUNE 10, 2003

3:30 pm–5:10 pm
Room 107AB

SESSION TU2D: DIVIDERS AND VCOS

Chair: Y. Deval, *Laboratory IXL*

Co-Chair: N. Camilleri, *RF & Wireless Design Services, Inc.*

TUESDAY, JUNE 10, 2003

3:30 pm–5:10 pm
Room 204C

SESSION TU4D: (JOINT IMS-RFIC SESSION) FOCUSED SESSION—ULTRA-WIDEBAND COMMUNICATIONS & RADAR: ENTERING THE MARKETPLACE

Chair: G. Lyons, *MIT Lincoln Laboratory*

Co-Chair: R. Kaul, *Johns Hopkins University*

TUESDAY, JUNE 10, 2003

1:30 pm–4:30 pm
Grand Hall

SESSION IFTU: (JOINT WITH IMS) TUESDAY INTERACTIVE FORUM

Chair: A. Katz, *The College of New Jersey*

Co-Chair: Z. Turski, *Sarnoff Corp.*