

SURA Terahertz Applications Symposium Agenda

Tuesday, March 16, 2004

- 1:00 p.m. Registration and Reception
- 1:15 p.m. **Dr. Jerry Draayer**, President and CEO, SURA: *Welcome and Opening Remarks*
- 1:20 p.m. **Mr. Matt Thomas**, Director of Business Development, SURA: *Why are we here? An Introduction to Terahertz and Its Applications*
- 1:35 p.m. **Dr. X.C. Zhang**, Professor of Physics, W.M. Keck Laboratory for Terahertz Science in Rensselaer Polytechnic Institute's Center for Terahertz Research: *Next Rays? T-Rays! An Overview of the Science and Applications of T-Rays*
- 2:30 p.m. **Dr. Yantian Zhang**, NIBIB Applied Science and Technology Program Director, NIH: *Funding Opportunities for THz at NIH*
- 2:45 p.m. *Break and Refreshments*
- 3:00 p.m. **Dr. Ruth Woodward**, Founder of HT Consultants and Former Scientist with TeraView Ltd.: *Terahertz for the Evaluation and Diagnosis of Basal Cell Carcinoma*
- 3:30 p.m. **Dr. Mark Rosker**, Program Manager, Defense Advanced Research Projects Agency (DARPA): *Opportunities for the Application of Terahertz Technologies in Defense*
- 4:00 p.m. *Break and Refreshments*
- 4:15 p.m. **Dr. David Zimdars**, Manager of Science Programs, Picometrix: *Tools for Terahertz Imaging, Spectroscopy, and Detection*
- 5:00 p.m. **Dr. Vladimir G. Kozlov**, VP, Microtech Instruments, Inc.: *THz Spectrometers Based on Backward Wave Oscillators*
- 5:30 p.m. End of Presentations
- 6:00-8:00 p.m. *Reception and Dinner* (Crowne Plaza Hotel ~ Franklin Park Room)

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- 8:30-9:00 a.m. Registration and Continental Breakfast
- 9:00 a.m. **Dr. Phil Taday**, Head of Spectroscopy, TeraView Ltd. Cambridge UK: *Emerging Market Applications for Terahertz Technologies in Medical, Pharmaceuticals, and Security*
- 9:45 a.m. **Dr. Daniel Mittleman**, Physics Professor at Rice University and Editor of "Sensing with Terahertz Radiation": *Imaging and Sensing with Terahertz Radiation*
- 10:15 a.m. *Break and Refreshments*
- 10:25 a.m. **Dr. John Federici**, Professor of Physics, New Jersey Institute of Technology: *Interferometric THz Imaging for Defense and Security Applications*
- 10:55 a.m. **Dr. Danielle Chamberlin**, Researcher, Agilent Technologies: *Emerging Technologies in Terahertz Imaging*
- 11:25 a.m. **Dr. Gwyn Williams**, FEL Basic Research Program Manager at Jefferson Laboratory: *Why So Late? Emergence of Terahertz Sources and Detectors*
- 12:10 p.m. Lunch and Open Discussion
- 1:00 p.m. **Mr. Matt Thomas**, SURA Director of Business Development: *Market Analysis in Fields of Applications for Terahertz Technologies*
- 1:15 p.m. Industry Panel Discussion: *Directing the Growth and Development of Terahertz Research, Development, and Applications*
- 3:00 p.m. Closing Remarks and Meeting Adjournment