

SURA Terahertz Applications Symposium
June 2-3, 2005
Final Agenda

Thursday, June 2

8:00 am *Registration and Breakfast*

Welcome and Introduction to Terahertz

8:30 am Welcome and Announcements

8:40 am **Eric Mueller**, Coherent: "Continuous-Wave THz Transceivers & CW Coherent High-Dynamic-Range THz Imaging "

Novel THz Sources and Detectors

9:25 am **Daniel Mittleman**, Rice University: "Low loss and low dispersion propagation of terahertz pulses on a wire waveguide"

10:00 am *Refreshment Break*

10:15 am **Qing Hu**, MIT: "Terahertz Quantum-cascade Lasers"

10:50 am **James Kolodzey**, University of Delaware: "High Power Terahertz Emission from Silicon Carbide Devices Operating at Temperatures up to 100 K"

11:25 am **Gwyn Williams**, Jefferson Lab: "Making very high power THz light for imaging, spectroscopy and communication"

12:00 pm *Lunch (provided onsite)*

1:00 pm Jerry Draayer, SURA: Welcome from the President

Advances in THz Imaging Systems

1:10 pm **Mark Rosker**, DARPA: "THz and Sub-MMW Imaging Systems and Components"

1:45 pm **X.C. Zhang**, RPI: "Recent Progress on Terahertz Wave Sensing and Imaging"

2:20 pm *Refreshment Break*

2:35 pm **Daniel Dillery**, Northrop Grumman: "THz and Millimeter Wave Transmission of Soils for Mine Detection"

3:10 pm **Martyn Chamberlain**, TeraNova: "European Research into Novel Terahertz Sensing and Imaging Systems"

3:45 pm *Refreshment Break*

4:00 pm **Erich Grossman**, NIST: "Bolometric Terahertz Imaging and Security Applications"

4:35 pm **Eric Stutz**, MIT: "Terahertz Polaritonics: Direct Imaging of THz fields in Ferroelectric Materials"

5:10 pm *End of First Day Presentations*

6:00 pm Reception (Crowne Plaza Hotel, 14th and K Streets - enter thru main doors on 14th St., then go downstairs to the right - Ballroom Foyer)

6:30 pm Dinner (Crowne Plaza Hotel, Hamilton Ballroom)

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Final Agenda (continued)

Friday, June 3

8:00 am *Registration and Breakfast*

8:15 am Intro and announcements

Advances in THz Spectroscopy Systems

8:20 am **John Bevan**, Texas A&M University: "High Resolution Submillimeter Co-axially Configured Supersonic Jet Spectroscopy"

8:55 am **Seizi Nishizawa**, Aispec: "A New Versatile THz-TDS Instrument and Applications for Far-Infrared Vibrational Spectroscopic Analyses"

9:30 am *Refreshment Break*

New Applications for THz in Industry

9:45 am **Steve Williamson**, Picometrix: "Terahertz Application Solutions"

10:20 am **Danielle Chamberlin**, Agilent Technologies: "THz imaging with Quantum Cascade Lasers"

10:55 am *Refreshment Break*

11:10 am **Mike Kemp**, TeraView: "Security Applications of Terahertz Technology"

11:45 am **Luiz Franca-Neto**, Intel: "Enabling Fully Integrated THz System Solutions in Low Cost, Large Volume CMOS Technology"

12:20 pm Wrap-up and Adjournment

12:30 pm *Boxed Lunch (provided) and Follow-up Discussions*

EM Spectrum Posters and CDs with Presentations will be distributed at this time.

A complete listing of attendees and contact information will be provided later.

Thank you for your participation!

Any follow-up questions may be directed to:
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