

2008 SURA Terahertz Applications Symposium

June 4-6, 2008 ~ Washington, DC

FINAL Agenda

Gold Sponsor:



Wednesday, June 4

3:00 pm Registration, Refreshments and Display Setup

4:00 pm **Matt Thomas**, SURA ~ Welcome and Overview of Terahertz

4:10 pm **Marc Oettinger**, SURA ~ Overview of Agenda and Logistics

4:15 pm **Justin Snapp**, Stanford University ~ "Ballistic Vacuum Electronics for THz Systems on a Chip"

4:45 pm **Mark Rosker**, DARPA ~ "THz Integrated Electronics"

5:15 pm **Chris Ball**, Battelle ~ "Millimeter-wave and Terahertz Technology Development for Spectroscopy and Communications Applications"

5:45 pm Reception (AAAS Auditorium Foyer)

6:45 pm Dinner (on your own – see list of nearby restaurants provided in folder)

Thursday, June 5

7:45 am Registration and Breakfast

8:15 am **Marc Oettinger**, SURA ~ Opening Remarks

8:25 am **Daniel Mittleman**, Rice University ~ "Low-loss Waveguiding for Terahertz Pulses"

8:55 am **Thomas Tongue**, **ZOmega (Silver Sponsor)** ~ "Commercial THz Spectroscopy Across the Entire THz Gap"

9:25 am **Gary Tryon**, Brijot Imaging Systems ~ "Millimeter Wave Case Study of Operational Deployments: Retail, Airport, Military, Courthouse, and Customs"

9:55 am Refreshment Break

10:15 am **David Britz**, AT&T Labs ~ "Terahertz Frequency: Who Owns It and What's It Good For?"

10:45 am **Clive Beattie**, ThruVision ~ "The ThruVision Imaging Platform"

11:15 am **Jill McQuade**, USAF Research Lab ~ "Air Force Research Laboratory Efforts to Determine the Bioeffects of Terahertz Energy"

11:45 am Lunch (provided at AAAS)

12:45 pm **Mike Klopff**, Jefferson Lab ~ "Jefferson Lab Terahertz Spectroscopy System"

1:15 pm **Walter Hurlbut**, **Microtech Instruments (Silver Sponsor)** ~ "Compact, High Power, Tunable THz Sources For Spectroscopy and Imaging Applications"

1:45 pm Refreshment Break

2:00 pm **Don Arnone**, **TeraView (Exhibitor)** ~ "Terahertz Systems and Their Applications in Pharmaceutical, Defense and Medical Applications"

2:30 pm **Jason Deibel and Joe Wilgus**, **IDCAST/Wright State (Gold Sponsor)** ~ "Institute for the Development and Commercialization of Advanced Sensor Technology (IDCAST) - THz Sensor R&D in Dayton, Ohio"

3:00 pm **Michael Wanke**, Sandia National Lab ~ "Developments in Integrated Microelectronic THz Technology"

3:30 pm Refreshment Break

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Agenda (continued)

Thursday, June 5 (continued)

- 3:45 pm **Megan Leahy-Hoppa**, Johns Hopkins APL ~ "Aspects Of Thz Reflection Spectroscopy For Applications In Explosives Detection"
- 4:15 pm **Tom Crowe**, **Virginia Diodes (Silver Sponsor)** ~ "Commercial Sources and Receivers for Terahertz Applications"
- 4:45 pm **Ken Cooper**, NASA JPL ~ "A Penetrating Submillimeter-Wave Imaging Radar at 4 and 25 Meter Standoff"
- 5:15 pm *End of Second Day Presentations*
- 5:30 pm Reception (Sofitel Hotel – corner of 15th and H St.)
- 6:30 pm Dinner (Sofitel Hotel)
- 8:30 pm End of Dinner/Close of Day's Events



Friday, June 6

- 7:45 am Registration and Breakfast
- 8:15 am **Hou-Tong Chen**, Los Alamos National Lab ~ "Hybrid electromagnetic metamaterials for terahertz applications"
- 8:45 am **Gernot Pomrenke**, Air Force OSR ~ "Title TBD"
- 9:15 am Refreshment Break
- 9:30 am **X.C. Zhang**, RPI ~ "THz Wave Standoff Detection"
- 10:00 am **Alexander Majewski**, Goodrich Corp. ~ "A High Resolution Terahertz Spectrometer for Chemical Detection"
- 10:30 am Refreshment Break
- 10:45 am **Keith Nelson**, MIT ~ "High Average Power Single-Cycle Thz Output At Khz-Mhz Repetition Rates Through Polaritonics With Tilted Pulse Fronts"
- 11:15 am **Irl Duling**, Picometrix ~ "Closing the REAL THz Gap"
- 11:45 am **Marc Oettinger**, SURA ~ Closing Remarks
- 12:00 pm Wrap-up and Adjournment
Boxed Lunch (provided at AAAS) and Follow-up Discussions

CDs with Presentations and Attendee Contact Information will be distributed at the end of the event.

Thank you for your participation! Any follow-up questions may be directed to:

Marc Oettinger, SURA Technology Commercialization Manager, (202) 408-2415, moettinger@sura.org

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