

2007 SURA Terahertz Applications Symposium

June 6-8, 2007 ~ Washington, DC

FINAL Agenda

Wednesday, June 6

12:00 pm Registration

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

1:05 pm **Matt Thomas**, SURA ~ Overview of Terahertz

Sources and Detectors of Terahertz

1:20 pm **Thomas Crowe**, Virginia Diodes ~ "Commercial Sources and Receivers for Terahertz Applications"

1:50 pm **Keith Nelson**, MIT ~ "THz Polaritonics and High-Power THz Generation"

2:20 pm Refreshment Break

2:40 pm **Oleg Mitrofanov**, Bell Labs ~ "Devices for Terahertz Applications"

3:10 pm **Toshihiko Ouchi**, Canon ~ "Development Of Terahertz Sensor Devices and Applications for Biological Sensing"

3:40 pm Refreshment Break

4:00 pm **Anis Rahman**, Applied Research & Photonics ~ "A High Efficiency Terahertz Source from Dendrimer"

4:30 pm **Michael Wanke**, Sandia National Lab ~ "Development of Microelectronic THz Technology"

5:00 pm *End of First Day Presentations*

5:00 pm Reception (AAAS Auditorium Foyer)

6:00 pm Dinner (on your own – see list of nearby restaurants provided in folder)

Thursday, June 7

8:15 am Registration and Breakfast

Terahertz Spectroscopy Systems

8:45 am **Thomas Tongue**, Zomega Terahertz Corporation ~ "Mini-Z: Handheld THz Spectrometer"

9:15 am **Katsuhiko Ajito**, Nippon Telegraph and Telephone ~ "Analytical Chemistry and Photochemistry of Biological Molecules Using Terahertz Light"

9:45 am **Jason Deibel**, Rice University ~ "Terahertz Spectroscopy in the Near Field"

10:15 am Refreshment Break

10:30 am **Terahertz News and Announcements**

Terahertz Spectroscopy Systems (cont.)

10:45 am **Cunlin Zhang**, Capital Normal University ~ "Detection and Identification of Illicit Drugs and Explosives Using THz"

11:15 am **Robert Osiander**, Johns Hopkins APL ~ "THz Time-Domain Reflection Spectroscopy for Trace Explosives Detection"

11:45 am **Dr. Iwamoto**, AISPEC ~ "Industrial Applications of Aspect Versatile THz-TDS"

12:15 pm Lunch (provided at AAAS)

2007 SURA Terahertz Applications Symposium

June 6-8, 2007 ~ Washington, DC

Agenda (continued)

Terahertz Imaging Systems

- 1:15 pm **Irl Duling**, Picometrix ~ "Time-Domain Terahertz Systems to Replace Nuclear Gauge Sensors in Industrial Applications"
- 1:45 pm **Anders Skalare**, NASA Jet Propulsion Laboratory ~ "600 GHz FM Radar Imaging"
- 2:15 pm Refreshment Break
- 2:30 pm **John Roulston**, Novatrans ~ "Terahertz Imaging with Ballistic Electron Sources and Receivers"
- 3:00 pm **Gwyn Williams**, Jefferson Lab ~ "Video-rate Imaging with a High Power THz Source"
- 3:30 pm Refreshment Break
- 3:45 pm **Yun-Sik Jin**, Korea Electrotechnology Research Institute ~ "High-speed Terahertz Imaging"
- 4:15 pm **Gary Tryon**, Brijot Imaging Systems ~ "Passive Millimeter-Wave Object Detection and People Screening"
- 4:45 pm *End of Second Day Presentations*
- 5:15 pm Reception (Sofitel Hotel – see map in folder)
- 6:00 pm Dinner (Sofitel Hotel)

Friday, June 8

- 8:15 am Registration and Breakfast

Terahertz Safety and Standards

- 8:45 am **Chris Ball**, Battelle ~ "Terahertz Spectral Library Development – Challenges and Recommendations"
- 9:15 am **Nichole Jindra**, US Air Force Research Lab ~ "Theoretical and Experimental Bioeffects Research of Terahertz Energy"
- 9:45 am Refreshment Break

Terahertz Systems and Devices

- 10:00 am **X.C. Zhang**, RPI ~ "Physics, Technology, and Applications of THz Wave Photonics in Laser-Induced Air Plasma"
- 10:30 am **Ci-Ling Pan**, National Chiao Tung University ~ "THz Photonic Elements with Liquid-Crystal-Enabled Functionalities"
- 11:00 am Refreshment Break
- 11:15 am **Alexander Majewski**, Goodrich Corp. ~ "Terahertz Spectroscopy System"
- 11:45 am **Vince Wallace**, TeraView ~ "Terahertz Technology in Pharmaceutical Sciences and Defense"
- 12:15 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:

Matt Thomas, SURA Director of Business Development

Office (512) 891-0122 Mobile (202) 550-8964 mthomas@sura.org