



AGENDA

Wednesday, September 5 – Plenary Session

Location: Redwood Conference Rooms

Time	Talk	Speaker
8:00	Arrival and Registration	
8:30	Welcome	Z-X Shen
8:45-9:25	Terahertz Plasmonics	Daniel Mittleman
9:25-10:05	Manipulating and Probing Atomic and Molecular Dynamics with Intense THz Pulses	Bob Jones
10:05-10:45	Break	
10:45-11:25	THz Imaging, What You See and What You Don't	Peter Siegel
11:25-12:10	THz-TDS Studies of Low Frequency Modes in Organic Molecular Crystals and Progress Toward THz Vibrational Optical Activity	Charles Schmuttenmaer
12:10-1:30	Lunch	
1:30-2:10	THz Spectroscopy of Quasiparticle Dynamics in Complex Materials	Nuh Gedik
2:10-2:50	THz Spectroscopy of Nanomaterials	Tony Heinz
2:50-3:15	Break	
3:15-3:55	Controlled Functionality Using Terahertz Metamaterials	Toni Taylor
3:55-4:35	Quasiparticle Dynamics in Intense Terahertz Fields	Mark Sherwin
4:35 –5:45	Discussion	
6:00	Dinner	

Thursday, September 6 – Plenary and Breakout Sessions

Location: Redwood Conference Rooms

Time	Talk	Speaker
8:00	Arrival	
8:15-8:55	THz Science @ SLAC	Aaron Lindenberg
8:55-9:35	Present Capabilities and Future Concepts for Intense THz from SLAC Accelerators	Alan Fisher
9:35-10:00	Break	
10:00-10:40	Applications of Accelerator-Produced THz Light for Studies of Dynamics	Gwyn Williams
10:40-11:20	THz Radiation from Linear Accelerators: Perspectives and Challenges	Michael Gensch
11:20-12:00	Discussion	ALL
12:00-1:00	Lunch	
1:00-5:00	Breakout Sessions	
5:00-5:30	Closeout Discussion Breakout Chairs present session summaries (15 minutes per session)	ALL
5:30	Adjourn	



AGENDA

Thursday, September 6

Material Science Session

Session Chair: Aaron Lindenberg

Location: Redwood C/D

Time	Talk	Speaker
1:00-1:25	Compact, E-Beam Based mm- and THz-wave Light Sources	Auralee Linscott Morin
1:25-1:50	Ultrafast THz Studies of Complex Materials	Robert Kaindl
1:50-2:15	Intense Terahertz Sources for Time-Resolved Study of Matter	Haidan Wen
2:15-2:40	Quantum Dynamics in Semiconductor Nanostructures Driven By Strong Terahertz Pulses	Yun-Shik Lee
2:40-3:05	<i>Break</i>	
3:05-3:30	Sub-Wavelength Electromagnetic Structures	Shanhui Fan
3:30-3:55	Quantum Trajectories of Electrons in Semiconductors Under Strong THz Field	Ren-Bao Liu
4:00-5:00	<i>Discussion</i>	
5:00-5:30	<i>Closeout</i>	

Chemistry Session

Session Chairs: Anders Nilsson and Kelly Gaffney

Location: Redwood A/B

Time	Talk Title	Speaker
1:00-1:25	Methods for Overcoming the Glassy Background in Terahertz Measurements of Correlated Motions in Proteins	Andrea Markelz
1:25-1:50	Biomolecules in Solution: Computational Studies & THz Spectra	David Leitner
1:50-2:15	Terahertz Absorption by Dilute Aqueous Solutions	Dmitry Matyushov
2:15-2:40	What Can We Learn About the Hydrogen Bonding at Aqueous Interfaces from Vibrational Spectroscopy	Alexander Benderskii
2:40-3:05	<i>Break</i>	
3:05-5:00	<i>Discussion</i>	
5:00-5:30	<i>Closeout</i>	

Talks are available online at our website:

https://slacportal.slac.stanford.edu/sites/conf_public/THz_2012_09/Lists/agenda/Public_view.aspx