

## 2010 MIRTHE Summer Workshop – Rice University

	Sunday 08/01	Monday 08/02	Tuesday 08/03	Wednesday 08/04	Thursday 08/05	Friday 08/06
6:30-8:00		Registration & Breakfast	Breakfast, Board Buses <i>(buses leave at 6:45)</i>	Registration & Breakfast	Registration & Breakfast	Registration & Breakfast
9-10:30		<b>Welcome &amp; Introduction</b>	Poster Set-up	<i>"Nanotechnology in the Environment: Environmental Applications for Materials and Sensing"</i> <b>Vicki Colvin</b> , Rice University	<i>"A Spectroscopy Primer"</i> <b>Robert Curl</b> , Rice University	IAB & SAB Meeting (closed)
		<i>"Physics and the Search for Hydrocarbons"</i> <b>Brian Clark</b> , Schlumberger	(Lunch will be provided during the poster session from 11:30-1:00)	<i>"Mid-IR Quantum Cascade Lasers: A Crash Course"</i> <b>Yamac Dikmelik</b> , JHU	<i>"Waveguide Devices for the Mid-Infrared"</i> <b>Christi Madsen</b> , TAMU	
10:30-10:45	Coffee Break	Flash Presentation II & Poster Session		Coffee Break	Coffee Break	
10:45 - 12:30	Graduate Student & Post-doc Presentations <i>Session I: Applications</i>			Graduate Student & Post-doc Presentations <i>Session IV: Passive Components and Detectors</i>	Graduate Student & Post-doc Presentations <i>Session V: Materials and Measurement</i>	Coffee Break
				Lunch, Board Buses <i>(buses leave at 12:00)</i>		<i>"Optical Sensing for Sugar and Oil"</i> <b>Wei-Chuan Shih</b> , University of Houston
12:30-1:30	Lunch				Lunch	<i>"Locating and Measuring VOC Fluxes at Petrochemical Plants"</i> <b>Alex Cuclis</b> , Houston Advanced Research Center
1:30-3:30	Graduate Student & Post-doc Presentations <i>Session II: Sensor Systems and Applications</i>		Bush Library Tour <i>(all welcome, or optional free time to explore TAMU)</i>	NASA Johnson Space Center <i>(Students and Post-docs only)</i>	Graduate Student & Post-doc Presentations Session VI: High Performance Quantum Cascade Lasers	<i>"Generic Competitive Grant Writing Strategies"</i> <b>Mike Cronan</b> , Academic Research Funding Strategies, LLC
						<i>"New Challenges Towards Improving Houston's Air Quality"</i> <b>Barry Lefer</b> , University of Houston
3:30-3:45	Coffee Break				Coffee Break	<i>"Agilent Technologies: Creating the Future of Measurement"</i> <b>Randall Urdahl</b> , Agilent Laboratories
3:45-6	Graduate Student & Post-doc Presentations Session III: Sensor Systems	SLC Retreat	Post-doc Roundtable: <i>"Faculty Interviews"</i>	Faculty Retreat: <i>"Passive MIR Optical Components and Detectors"</i>	Travel from NASA to Kemah	Coffee Break
						<i>"In-Situ Process Analytics, Applications in the Mid-Infrared"</i> <b>Stefan Lundqvist</b> , Siemens
6 - late	Registration, Welcome Reception & Dinner	Flash Presentation I	Dinner BBQ	Free Time at Kemah <i>(Dinner on your own)</i>	Graduate Student & Post-doc Presentations Session VII: Single-Mode Quantum Cascade Lasers	<i>"Challenges and Opportunities for Sensor Instrumentation in Regulated Environments"</i> <b>Peter DeBarber</b> , Horiba Instruments
						Award Presentation and Closing
	Dinner				Short Break	
					<i>Ethics Workshop: "Responsible Conduct in Research"</i> <b>Jessica Pottenger &amp; Alexander Hwang</b> , Princeton University	
					Short Break, Board Buses <i>(buses leave at 6:45)</i>	<i>SLC Dinner with Industry (all others, dinner on your own)</i>
					Workshop Dinner	