

# SUMMER NANOSCIENCE ACADEMY 2009

## THURSDAY JULY 16

8:30-8:45	Welcome Remarks—Ken Shih, Principal Investigator, Physics Professor
8:45-9:45	Bill Lackowski, Chief Scientist, Center for Nano Molecular Science <i>Introduction to Nanoscience (Q&amp;A)</i>
9:45-10:00	<i>BREAK</i>
10:00-11:00	Allan MacDonald, Physics Professor <i>Quantum Materials (Q&amp;A)</i>
11:00-12:00	Paul Barbara, Chemistry and Biochemistry Professor <i>Organic Solar Cells (Q&amp;A)</i>
12:00-1:00	Lunch
1:00-4:00	Hands on Lab WEL 4.124 – David Vanden Bout, Associate Professor, Chemistry & Biochemistry
4:00-4:30	Group Photo (wear T-shirts)

## FRIDAY, JULY 17

8:30-9:00	ACES Visualization Lab Tour ACES 2.404A– Brandt Westing
9:10-9:40	Petawatt laser tour RLM 2 <sup>nd</sup> floor, by elevator - Erhard Gaul

Split up in 3 groups at 9:45

	Group A	Group B	Group C (teachers)
10:00-10:20	Markert Lab RLM 13.306	Li Lab RLM 2.418	Willets Lab NST 3.118
10:30-10:50	SEM demo NST 1 <sup>st</sup> floor elevator	de Lozanne Lab RLM 13.302	Li Lab RLM 2.418
11:00-11:20	NST Tour NST 1 <sup>st</sup> floor elevator	SEM demo NST 1 <sup>st</sup> floor elevator	Shih Lab RLM 3.110

11:30-11:50	Willets Lab	NST Tour	Markert Lab
	NST 3.118	NST 1 <sup>st</sup> floor elevator	RLM 13.306
12:00-12:45	Lunch		
1:00	UT Shuttle bus to Pickle campus		
1:30-2:30	Tour TACC—Melyssa Fratkin		
2:45-3:15	Overview of Micro & Nano Electronics		
	Sanjay Banerjee, Electrical and Computer Engineering Professor		
3:15-4:50	Tour of Facility – Marylene Palard		
	TEM Demo: Domingo Ferrer		
5:10	Catch UT shuttle bus back to campus		

## **SATURDAY, JULY 18**

9:00-9:45	Kathrine Willets, Assistant Professor, Chemistry and Biochemistry <i>Metal nanoparticles and color</i>		
9:45-10:30	Paulo Ferreria, Associate Professor Mechanical Engineering <i>Seeing Small: Electron Microscopy Applied to Nanoscience and Nanotechnology</i>		
10:45-11:45	Traveling Physics Circus, Associate Professor Jack Turner, Physics		
12:00	Lunch		
1:00-4:00	Teachers Forum –Jill Marshall, Associate Professor, Curriculum and Education & Charlotte Sanders, IGERT Trainee		
1:00-4:00	Student activities with IGERT Trainees and Awarding of Certificates		

