SLAC-STANFORD UNIVERSITY-NREL (SSUN) ENERGY SUMMER SCHOOL 2009 PROGRAM

Daily Schedule, unless otherwise noted:

8:30-9:00 am	Continental Breakfast			
9:00-10:10 am	Session One: 45 minute lecture, followed by 25 minute Q&A			
10:40-11:50 am	Session Two: 45 minute lecture, followed by 25 minute Q&A			
12:00-2:00 pm	Lunch and Project Work			
2:00-3:10 pm	Session Three: 45 minute lecture, followed by 25 minute Q&A			
3:40-4:50 pm	Session Four: 45 minute lecture, followed by 25 minute Q&A			
5:00 pm	Project Work			

Week 1: Introduction to Global Energy Sources and Uses (Y2E2 Building, Stanford, Classroom 111)					
Yang-Yamazaki Environment & Energy Bldg. 473 Via Ortega Stanford CA 94305					
Date	Period		Торіс	Speaker	
		9:00 -10:10 am	Introduction & Summer School Overview	Zhi-Xun Shen	
Monday	Morning		Explanation of Projects / Exergy Flow Analysis	Sally Benson	
August-17		10:40 -11:50 am	Keynote Speech: Climate Change and Its Implications for Our Energy Future	Chris Field	
	Afternoon	2:00 – 3:10 pm	Renewable Energy Resources	Robert McGrath	
		3:40 - 4:50 pm			
	Evening	6:00 pm	Welcome Dinner	Y2E2 2 nd Floor Balcony	
Tuesday	Morning	9:00 – 11:50am	Transportation	Joan Ogden	
August-18					
	Afternoon	2:00 - 4:50 pm	Nuclear Power	Burton Richter	
	Evening	7:00 pm	Public Lecture: Climate Change and its Implications for Our Energy Future. Panofsky Auditorium, SLAC	Chris Field	
Wednesday	Morning	9:00 –11:50 am	Electric Grid	Kevin Tomsovic	
August-19	Afternoon	2:00 - 4:50 pm	Buildings/Energy Efficiency	Martin Fischer	
Thursday	Morning	9:00 –11:50 am	Carbon-Based Fuels	Franklin (Lynn) Orr	
August-20	_		Carbon Capture and Sequestration	Sally Benson	
	Afternoon	2:00 pm	Summer School Projects		
Friday	Morning	7:15am	Early Stanford Guest House pickup to Y2E2	Required! Signed Tesla	
August-21		7:30am 8:30 am	Early Breakfast at Y2E2	Visitor Agreement, in your	
		0.30 dili	Bus leaves (front of Y2E2, on Via Ortega)	GCEP folder.	
		9:00 am	Tour: Tesla Motors, San Carlos, CA	JB Straubel, CTO	
		11:00 am	Tour: Nanosolar, San Jose, CA	James McNicolis, CFO	
			Lunch: Hellyer Park, Cottonwood Picnic Area. Catered.		
	Afternoon	2:00 pm	Tour: Google, Mountain View, CA		
		3:30 pm	Summer School Projects		

Week 2: Materials Science and Technology for Electric Power Systems (ROB Redwood Rooms, SLAC) **SLAC National Accelerator Laboratory** 2575 Sand Hill Road Menlo Park, CA 94025 Date **Period** Topic **Speaker** 9:00 –11:50 am Monday Morning **Fuel Cells** Fritz Prinz August-24 Afternoon 2:00 - 4:50 pm Hydrogen Storage Wendy Mao 9:00 -11:50 am Tuesday Morning Solar Energy: Photovoltaics Stacey Bent August-25 2:00 - 4:50 pm Afternoon Solar Energy: Solar Thermal (Chuck Kutscher) 9:00 -11:00 am **Tour SLAC SLAC Staff** Morning 11:00 -1:00 pm **Sequoia Capital Presentation** Warren Hogarth Wednesday Sustainable Start-Ups: How Entrepreneurs Make a Mark Dempster August-26 Difference. 2:00 - 4:50 pm Afternoon Solid State Lighting Shuji Nakamura **Evening** 7:00 pm Public Lecture: Light Emitting Diodes (LEDs) -- Huge Impact Shuji Nakamura for Saving Energy. Panofsky Auditorium, SLAC Thursday Morning 9:00 -11:50am **Thermionics** Nicholas Melosh August-27 2:00 - 4:50 pm Afternoon **Superconductivity and Magnets** George Crabtree Friday Morning Sign Up for Carpools to Dinner 9:00 -12:30 pm **Project Presentations** August-28 12:30-2:30 pm **Project Evaluations** 2:30 - 4:30 pm Afternoon Discussion and Prize Announcements Sally Benson, Zhi-Xun Shen, 4:30-5:00 pm Student Response to School Experience Lynn Orr, Richard Sassoon, Stuart Macmillan, John 5:30pm Carpool to Lynn Orr's Home Weyant **Evening** 6:00 pm **Closing Dinner** Hosted by Lynn Orr