

TSRC Workshop on Carbon Nanotube Defects

Schedule as of 6/13/13

July 7 - 12, 2013, Telluride Colorado

Overview

	Sunday (7/7/13)	Monday	Tuesday	Wednesday	Thursday	Friday
Morning		Presentations (3)	Group hike / free	Presentations (4)	Group hike / free	Discussion forum
Lunch		catered on-site		catered on-site		Adjourn
Afternoon		Presentations (4)	Presentations (4)	Presentations (4)	Presentations (4)	
6pm	Welcome Reception (New Sheridan Bar)		Public Lecture (Sheridan Opera House)	TSRC picnic (Ah Haa School)		
Evening			Group Dinner (Rustico Ristorante)			

Faculty and postdoc presentations are scheduled for 45 minutes (35 min presentation + 10 min discussion)

Graduate student presentations are scheduled for 30 minutes (20 min presentation + 5-10 min discussion)

Sunday

Evening 6:00-9:00 PM Welcome Reception Meet at the New Sheridan Bar, 231 W Colorado Ave.

Monday

	Time	Speaker	Institution	Title
Morning	8:30 AM	breakfast served at TSRC		
	9:00 AM	Phil Collins	UC Irvine	<i>Welcome and Introductory remarks</i>
Moderator:	9:15 AM	Robert Haddon	UC Riverside	<i>Effect of defects and covalent bond formation on the electronic structure and properties of carbon nanotubes and graphene</i>
<i>Collins</i>	10:00 AM	coffee break		
	10:30 AM	Alex Star	Univ. of Pittsburgh	<i>Peroxidase-mediated biodegradation of carbon nanotubes in vitro and in vivo</i>
	11:15 AM	Todd Krauss	Univ. of Rochester	<i>Photoluminescence from individual, charged single-walled carbon nanotubes</i>
	12:00 PM	catered lunch at TSRC		
Afternoon				
Moderator:	1:30 PM	George Schatz	Northwestern Univ.	<i>Models of functionalized carbon: nanodiamonds, carbon nanotubes and graphene</i>
<i>Johnson</i>	2:15 PM	Takeshi Saito	AIST, Tsukuba	<i>High performance TFTs achieved by shortening nanotube lengths</i>
	3:00 PM	coffee break		
	3:30 PM	Yanmei Piao	Univ. of Maryland	<i>Optical and electrical properties of nanotubes in a covalently functionalized shell</i>
	4:00 PM	Hyoung Joon Choi	Yonsei University, Seoul	<i>Electronic properties of carbon nanotubes with defects</i>
	4:45 PM	Concluding discussion		

Tuesday

Morning	9:00 AM	group hike, begin from <i>Baked in Telluride</i>		
Afternoon				
Moderator:	1:30 PM	Haitao Liu	Univ. of Pittsburgh	<i>Electric field effect on the oxidation of graphitic materials</i>
<i>Wang</i>	2:15 PM	Phil Collins	UC Irvine	<i>Scanning probe measurements of the electrical resistance at point defects</i>
	3:00 PM	coffee break		

		Speaker	Institution	Title
Tuesday				
(continued)	3:30 PM	Tim Kucharski	MIT	<i>Carbon nanotubes as scaffolds for solar thermal fuels</i>
	4:15 PM	Stan Wong	SUNY Stonybrook	<i>Understanding nanotube chemistry: strategies and examples</i>
	5:00 PM	Concluding discussion		
Evening	6:00 PM	Public Lecture	(held at the Sheridan Opera House in downtown Telluride)	
	8:00 PM	group dinner	Rustico Ristorante, 114 E. Colorado	
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Wednesday				
Morning	8:30 AM	breakfast served at TSRC		
Moderators:	9:00 AM	Richard McCreery	Univ. of Alberta	<i>Electron transport in all-carbon molecular electronic devices</i>
Schatz	9:45 AM	Tal Sharf	Oregon State Univ.	<i>Electron transport across point defects in carbon nanotubes</i>
	10:15 AM	coffee break		
Krauss	10:45 AM	Stephen Doorn	Los Alamos Natl. Lab	<i>Photoluminescence as a probe of surface structure and dopant behavior in the 1-D nanotube environment</i>
	11:30 AM	YuHuang Wang	Univ. of Maryland	<i>Exciton tailoring chemistry</i>
	12:15 PM	lunch on your own		
Afternoon				
Moderators:	2:00 PM	Vasilii Artyukhov	Rice Univ.	<i>Nanotubes... defects... modelling</i>
Martel	2:45 PM	Brian Landi	Rochester Inst. of Tech.	<i>Assessing ion irradiation-induced defect generation in SWCNT chiralities</i>
	3:30 PM	coffee break		
Wong	4:00 PM	Heather Jaeger	Univ. of Rochester	<i>Disorder and decoherence among the edge states of graphene quantum dots</i>
	4:45 PM	Patrick Sims	UC Irvine	<i>Chemical sensitivity of point defects in carbon nanotubes</i>
	5:15 PM	Concluding discussion		
Evening	6:00-9:00 PM	TSRC Picnic	Ah Haa School for the Arts, 300 South Townsend	
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Thursday				
Morning	9:00 AM	group hike, begin from <i>Baked in Telluride</i>		
Afternoon	12:30 PM	catered lunch at TSRC		
Moderators:	1:30 PM	Richard Martel	Univ. of Montreal	<i>Electrical and optical properties of carbon nanotubes functionalized with monovalent and divalent adducts</i>
Haitao	2:15 PM	Masahiro Ishigami	Univ. of Central Florida	<i>Impact of charged adsorbate scattering in carbon nanotubes</i>
	3:00 PM	coffee break		
Haddon	3:30 PM	Amin Salehi-Khojin	U. of Illinois at Chicago	<i>The role of defects on the performance of carbon based chemical sensors</i>
	4:15 PM	Charlie Johnson	Univ. of Pennsylvania	<i>Designing defects to enable detection with carbon nanotube devices</i>
	5:00 PM	Concluding discussion		
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Friday				
Morning	8:30 AM	breakfast served at TSRC		
	9:00 AM	Future Directions Discussion		
	10:30 AM	Adjourn		