

2009 I-CAMP Summer School Schedule

<i>Day/ Location</i>	<i>Morning</i>	<i>Afternoon</i>	<i>Evening</i>
Week 1(Shanghai/Hangzhou): Materials for Biophotonics and Renewable Energy			
June 28 <i>Sun</i> Hangzhou	Arrive at Shanghai, then leave for Hangzhou by airport bus	Arrive at Shanghai airport, then leave for Hangzhou by airport bus / Registration in Hangzhou (2:00pm – 8:00pm)	6:30-8:30 Welcome Reception at the International Conference Center (with free buffet dinner)
June 29 <i>Mon</i> Hangzhou	9:30-10:10 Opening Session 10:10-10:30 Break 10:30-11:15 Smalyukh Lecture I CONFOCAL MICROSCOPY 11:15-11:25 Break 11:25-12:10 Smalyukh Lecture I IMAGING 3D MOLECULAR ORIENTATION PATTERNS	1:30-2:15 Kumar Lecture I ORGANIC MATERIALS FOR SOLAR CELLS 2:15-2:25 Break 2:25-3:10 Kumar Lecture I same 3:10-3:30 Break 3:30-4:15 Kumar Lecture II ORGANIC MATERIALS FOR SOLAR CELLS 4:15-4:25 Break 4:25-5:10 Kumar Lecture II same	5:30-8:30 Dinner and West Lake Tour (with laser show on the Lake)

<p>Jane 30 Tue Hangzhou</p>	<p>8:30-12:10 Lab Tour @ Zhejiang Univ. <i>(Yuquan Campus and COER)</i></p>	<p>1:30-2:15 Rubinsztein-Dunlop Lecture I LASER TWEEZERS 2:15-2:25 Break 2:25-3:10 Rubinsztein-Dunlop Lecture I <i>same</i> 3:10-3:30 Break 3:30-4:15 Rubinsztein-Dunlop Lecture II LASER TWEEZERS 4:15-4:25 Break 4:25-5:10 Rubinsztein-Dunlop Lecture II <i>same</i></p>	<p>5:30-8:30 Dinner and SPIE Student Chapter Activities</p>
<p>July 1 Wed Hangzhou</p>	<p>8:30-12:10 Tour to <i>West Lake</i></p>	<p>1:30-2:15 Smalyukh Lecture II OPTICAL GENERATION OF PHOTONIC STRUCTURES 2:15-2:25 Break 2:25-3:10 Smalyukh Lecture II <i>same</i> 3:10-3:30 Break 3:30-4:15 Lim Lecture I CARS MICROSCOPY 4:15-4:25 Break 4:25-5:10 Lim Lecture I <i>same</i></p>	<p>5:30-8:30 Poster Session / Reception</p>
<p>July 2 Thu Shanghai</p>	<p><i>Leave for Shanghai by bus, arrive at Jiading campus</i></p>	<p>1:30-2:15 Lim Lecture II CARS MICROSCOPY 2:15-2:25 Break 2:25-3:10 Lim Lecture II <i>same</i> 3:10-3:30 Break 3:30-4:15 Fan Lecture I BIOLOGICAL APPLICATIONS OF QUANTUM DOTS & NANOPARTICLES 4:15-4:25 Break</p>	<p>5:30-8:30 Dinner (at SINAP)</p>

<p>July 3 <i>Fri</i> Shanghai</p>	<p>8:30-9:15 Walukiewicz Lecture I SOLAR ENERGY CONVERSION</p> <p>9:15-9:25 Break</p> <p>9:25-10:10 Walukiewicz Lecture I <i>same</i></p> <p>10:10-10:30 Break</p> <p>10:30-11:15 Fan Lecture I BIOLOGICAL APPLICATIONS OF QUANTUM DOTS & NANOPARTICLES</p> <p>11:15-11:25 Break</p> <p>11:25-12:10 Fan Lecture II <i>Same</i></p>	<p>1:00-2:00 Leave for Shanghai Lightsource</p> <p>2:00-3:10 Shanghai Lightsource of SINAP Tour</p> <p>3:10-3:30 Break</p> <p>3:30-4:15 Fan Lecture II BIOLOGICAL APPLICATIONS OF QUANTUM DOTS & NANOPARTICLES</p> <p>4:15-4:25 Break</p> <p>4:15 Dinner (at SINAP) & Leave for the Tour</p>	<p>7:00-9:00 Huangpu River Tour</p>
<p>July 4 <i>Sat</i> Shanghai</p>	<p>8:30-9:15 Squier Lecture II MULTI-MODALITY NONLINEAR OPTICAL MICROSCOPY</p> <p>9:15-9:25 Break</p> <p>9:25-10:10 Squier Lecture II <i>same</i></p> <p>10:10-10:30 Break</p> <p>10:30-11:15 Piestun Lecture I 3D TRACKING WITH NANORESOLUTION</p> <p>11:15-11:25 Break</p> <p>11:25-12:10 Piestun Lecture I <i>same</i></p>	<p>1:30-2:15 Walukiewicz Lecture I SOLAR ENERGY CONVERSION</p> <p>2:15-2:25 Break</p> <p>2:25-3:10 Walukiewicz Lecture I <i>same</i></p> <p>3:10-3:30 Break</p> <p>3:30-4:15 Piestun Lecture II ADVANCED POINT SPREAD FUNCTIONS</p> <p>4:15-4:25 Break</p> <p>4:25-5:10 ICAM Consortium Welcome</p> <p>4:35-5:00 Daniel Cox, ICAM-I2CAM Co-Director, UC Davis "INTERNATIONAL INSTITUTE FOR COMPLEX ADAPTIVE MATTER"</p>	<p>5:30-8:30 Dinner (around hotel, self-care)</p>
<p>July 5 <i>Sun</i> Qingdao</p>	<p>8:30-15:30 Tour to Old Shanghai Town/Garden</p>	<p>Leave for Qingdao (by airplane)</p>	<p>Arrive in Qingdao (A bus will be provided)</p>

Week 2(Qingdao): Materials for Electro-Optics, Nonlinear Optics, and Displays

<p>July 6 <i>Mon</i> Qingdao</p>	<p>8:30-9:15 Smalyukh Lecture III FUNDAMENTALS AND EMERGING APPLICATIONS OF LIQUID CRYSTALS</p> <p>9:15-9:25 Break 9:25-10:10 Smalyukh Lecture III <i>same</i></p> <p>10:10-10:30 Break 10:30-11:15 Yu Lecture I NONLINEAR FREQUENCY CONVERSION BASED BLUE-GREEN LASERS FOR DISPLAY APPLICATIONS</p> <p>11:15-11:25 Break 11:25-12:10 Yu Lecture I <i>same</i></p>	<p>1:30-2:15 Chien Lecture I CHOLESTERIC FOR ELECTRO-OPTIC APPLICATIONS</p> <p>2:15-2:25 Break 2:25-3:10 Chien Lecture I <i>same</i></p> <p>3:10-3:30 Break 3:30-5:10 Outreach Forum and City/Beach Tour</p>	<p>5:30-8:30 Dinner and City/ Beach Tour</p>
<p>July 7 <i>Tue</i> Qingdao</p>	<p>8:30-9:15 Chien Lecture II CHOLESTERIC FOR PHOTONIC APPLICATIONS</p> <p>9:15-9:25 Break 9:25-10:10 Chien Lecture II <i>same</i></p> <p>10:10-10:30 Break 10:30-11:15 Gogotsi Lecture I TRANSPARENT THIN FILMS OF CARBON NANOTUBES</p> <p>11:15-11:25 Break 11:25-12:10 Gogotsi Lecture I <i>same</i></p>	<p>1:30-7:30 Qingdao Olympic Center Tour and Dinner</p>	
<p>July 8 <i>Wed</i> Qingdao</p>	<p>8:30-9:15 Chen Lecture I MOLECULAR ENGINEERING APPROACH TO SEARCH FOR DEEP-UV NLO CRYSTALS</p> <p>9:15-9:25 Break 9:25-10:10 Chen Lecture I <i>same</i></p> <p>10:10-10:30 Break 10:30-11:15 Yu Lecture II NONLINEAR FREQUENCY CONVERSION FOR DISPLAY</p>	<p>1:30-2:15 Chen Lecture II DEEP-UV HARMONIC GENERATION AND APPLICATIONS</p> <p>2:15-2:25 Break 2:25-3:10 Chen Lecture II <i>same</i></p> <p>3:10-3:30 Break 3:30-5:20 Hisense Display Ltd. Tour</p>	<p>6:30-8:30 Banquet (free to all professors and students, provided by Hisense)</p> <p>Dinner and Early-Career Forum</p>

	11:15-11:25 11:25-12:10	APPLICATIONS Break Yu Lecture II <i>same</i>			
July 9 Thu Qingdao	8:30-9:15 9:15-9:25 9:25-10:10 10:10-10:30 10:30-11:15 11:15-11:25 11:25-12:10	Srinivasarao Lecture I PHOTONIC CRYSTALS IN BIOLOGY Break Srinivasarao Lecture I <i>same</i> Break Jung Lecture II MOLECULAR SELF-ASSEMBLY Break Jung Lecture II <i>same</i>	1:30-2:15 2:15-2:25 2:25-3:10 3:10-3:30 3:30-4:15 4:15-4:25 4:25-5:10	Xu Lecture I INTRODUCTION TO NONLINEAR OPTICS Break Xu Lecture I <i>same</i> Break Gogotsi Lecture II SPECTROSCOPY OF CARBON NANOTUBES Break Gogotsi Lecture II <i>same</i>	5:30-8:30 Dinner and Early-Career Forum
July 10 Fri Qingdao	8:30-9:15 9:15-9:25 9:25-10:10 10:10-10:30 10:30-11:15 11:15-11:25 11:25-12:10	Srinivasarao Lecture II BIOLOGICALLY-INSPIRED DESIGN OF PHOTONIC MATERIALS Break Srinivasarao Lecture II <i>same</i> Break Xu Lecture II INTRODUCTION TO NONLINEAR OPTICS Break Xu Lecture II	1:30-2:15 2:15-2:25 2:25-3:10 3:10-3:30 3:30-4:15 4:15-4:25 4:25-5:10	Jung Lecture II SELF-ASSEMBLY FOR PHOTONIC AND ELECTROOPTIC APPLICATIONS Break Jung Lecture II <i>same</i> Break Shen Lecture I (Video), METAMATERIALS Break Lavrentovich Lecture I (video) ELECTROOPTICS OF COLLOIDAL LIQUID CRYSTAL DISPERSIONS	5:30-8:30 Poster Session/ Reception
July 11 Sat Beijing	<i>Leave for Beijing (High-Speed Train D62, leave at 10:45am)</i>		<i>Arrive at Beijing (~16:38)</i>		6:30-8:30 Reception

Week 3(Beijing): Metamaterials and Photonic Crystals

July 12 <i>Sun</i> Beijing	8:30-19:00	The Great Wall Tour		7:00-8:30	Dinner	
July 13 <i>Mon</i> Beijing	8:30-9:15 9:15-9:25 9:25-10:10 10:10-10:30 10:30-11:15 11:15-11:25 11:25-12:10	Zhou Lecture I Break Zhou Lecture I Break Chan Lecture I USING METAMATERIALS TO CREATE ILLUSION EFFECTS Break Chan Lecture I same	1:30-2:15 2:15-2:25 2:25-3:10 3:10-3:30 3:30-4:15 4:15-4:25 4:25-5:10	Coles Lecture I SELF-ASSEMBLED TUNABLE PHOTONIC CRYSTALS Break Coles Lecture I same Break Zhou Lecture II Break Zhou Lecture II	5:30-8:30	Poster Session/ Reception
July 14 <i>Tue</i> Beijing	8:30-9:15 9:15-9:25 9:25-10:10 10:10-10:30 10:30-11:15 11:15-11:25 11:25-12:10	Coles Lecture II MIRROR-FREE LASERS Break Coles Lecture II same Break Chan Lecture II THE PHYSICAL PROPERTIES OF PLASMONIC LATTICES Break Chan Lecture II same	1:30-5:30	International Outreach Forum/ Lab Tour	5:30-8:30	Dinner and Tour
July 15 <i>Wed</i> Beijing	8:30-9:15 9:15-9:25 9:25-10:10 10:10-10:30 10:30-11:15	Woliński Lecture I LIQUID CRYSTAL PHOTONIC CRYSTAL FIBERS Break Woliński Lecture I same Break He Lecture I	1:30-7:00	Tour to the Summer Palace and Dinner		

	<p>11:15-11:25 Break</p> <p>11:25-12:10 He Lecture I <i>same</i></p>	<p>NANO-MICRO STRUCTURES FOR SLOW LIGHT</p>	
<p>July 16 <i>Thu</i> Beijing</p>	<p>8:30-9:15 He Lecture II NANO-MICRO STRUCTURES FOR ENHANCEMENT OF TRANSMISSION, COLLECTION AND ABSORPTION</p> <p>9:15-9:25 Break</p> <p>9:25-10:10 He Lecture II <i>same</i></p> <p>10:10-10:30 Break</p> <p>10:30-11:15 Poulin Lecture I CARBON-NANOTUBE-BASED NANOSTRUCTURED COMPOSITE MATERIALS</p> <p>11:15-11:25 Break</p> <p>11:25-12:10 Poulin Lecture I <i>same</i></p>	<p>1:30-2:15 Russell Lecture I PHOTONIC CRYSTAL FIBERS</p> <p>2:15-2:25 Break</p> <p>2:25-3:10 Russell Lecture I <i>same</i></p> <p>3:10-3:30 Break</p> <p>3:30-4:15 Poulin Lecture II CARBON-NANOTUBE-BASED NANOSTRUCTURED COMPOSITE MATERIALS</p> <p>4:15-4:25 Break</p> <p>4:25-5:10 Poulin Lecture II <i>same</i></p>	<p>5:30-8:30 Dinner and Early Career Forum</p> <p>5:30-6:30 Douglas K. Duncan</p> <p>7:00-8:30 Banquet (Free to all professors and students, provided by local organizers)</p>
<p>July 17 <i>Fri</i> Beijing</p>	<p>8:30-9:15 Grigorenko Lecture I OPTICAL METAMATERIALS / PLASMONICS</p> <p>9:15-9:25 Break</p> <p>9:25-10:10 Grigorenko Lecture I <i>same</i></p> <p>10:10-10:30 Break</p> <p>10:30-11:15 Russell Lecture II PHOTONIC CRYSTAL FIBERS</p> <p>11:15-11:25 Break</p> <p>11:25-12:10 Russell Lecture II <i>same</i></p>	<p>1:30-2:15 Woliński Lecture II LIQUID CRYSTAL PHOTONIC CRYSTAL FIBERS</p> <p>2:15-2:25 Break</p> <p>2:25-3:10 Woliński Lecture II <i>same</i></p> <p>3:10-3:30 Break</p> <p>3:30-4:15 Grigorenko Lecture II OPTICAL METAMATERIALS / PLASMONICS</p> <p>4:15-4:25 Break</p> <p>4:25-5:10 Grigorenko Lecture II <i>same</i></p>	<p>5:30-8:30 Planetarium talk and Reception</p>
<p>July 18 <i>Sat</i> Beijing</p>	<p>8:30-17:30 Forbidden City Tour/ Discussions/ I-CAMP 2010 Planning</p>		<p>6:30-8:30 Farewell party (organized by students)</p>

July 19 San Beijing	<i>Depart from Beijing for Shanghai/International</i>	<i>Depart from Shanghai</i>	<i>Depart from Shanghai</i>
July 20-22 Shanghai/ Suzhou	<i>A Trip for Total Solar Eclipse Viewing (Optional)</i>		