

上海交通大学博士生学术论坛第十五期

暨『新兴信息、技术和材料』学术论坛

日程安排(拟)

日期	时间	活动内容	地点
10月3日	09:00-09:30	开幕式	图书信息楼8楼 报告厅
	09:30-11:30	主论坛博士生报告宣讲 和特邀嘉宾点评	
	午餐		
	13:30-14:00	Poster 作者与特邀嘉宾 互动交流	陈瑞球楼
	14:00-15:00	分论坛报告	陈瑞球楼
	茶歇		
	15:30-17:00	分论坛报告	陈瑞球楼
	17:00-17:30	颁奖典礼	陈瑞球楼
	晚餐		
	19:00-20:30	特邀嘉宾与研究生面对面沙龙	

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October 4th	Contents		
08:30---09:20	Opening Remark Prof. Huey-liang Hwang		
09:20---10:00	Keynote Speech Prof. Wen-Tsuen Chen (National TsingHua University, Taiwan) Intelligent sensing for better life and better environment		
10:00---10:40	Keynote Speech Prof. F. Kuznetsov (Russian Academy of Science, Russia) Nanotechnology and emerging materials in Asia		
10:40---11:00	Coffee Break		
11:00---11:40	Keynote Speech Prof. K. Lal (Hong Kong University of Science & Technology, Hong Kong) Science frontiers in India		
11:40---13:30	Lunch Break, Cafeteria Site		
	Session 1(site 1)	Session 2(site 2)	Session 3(site 3)
14:00---14:30	Prof. B.V.R. Chowdari (National Singapore University, Singapore) Lithium ion batteries– materials aspects and perspectives	TiaoKuo Dong (Deputy Director, Electronics and Optoelectronics Research laboratories, Industrial Technology Research Institute, Taiwan) World 1st invention of air touch-panel	Dr. ZhipingLiou (Siemens) From initiation to innovation
14:30---15:00	Prof. Kuo-Feng Chiu (FengChia University, TaiWan) Nanocrystalline electronic and ionic conducting coatings on cathode materials for high power or electric vehicle applications- LiMn2O4 as an example	Dr. John Su (CEO, ITRI Southern Branch, China) Technology and applications of 3D printing	Prof. Huey-Liang Hwang (Shanghai Jiao Tong University, China) Establishment of Asian photovoltaic association&innovative business

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15:00---15:30	<p>Prof. Ying Wang (Shanghai Jiao Tong University, China) Conducting polymer coated electrode active materials for lithium-ion battery</p>	<p>Prof. H. S. Kwok (Hong Kong University of Science & Technology, Hong Kong) New approach to large area electronics</p>	<p>Prof. Lihong Yang (Shanghai Center for Photovoltaics, China) Some key scientific and engineering fundamentals leading to the mass production of high efficiency flexible CIGS solar cells</p>
15:30---16:00	Coffee Break		
16:00---16:30	<p>Prof. ShouwuGuo (Shanghai Jiao Tong University, China) Graphene: controlled fabrication and application</p>	<p>Prof. GuangtaoZhai (Shanghai Jiao Tong University, China) Digital image and video processing</p>	<p>Prof. Bae-HengTseng (National Sun Yat-Sen University, Taiwan) Defect structures in CuInSe₂ epitaxial films grown on GaAs substrate</p>
16:30---17:00	<p>Prof. HonglieShen (Nanjing University of Aeronautics and Astronautics) Fabrication and properties of high-quality graphene grown by CVD</p>	<p>Prof. ShibaoZheng (Shanghai Jiao Tong University, China) Wearable multimedia technology and its application in the field of aerospace</p>	<p>Prof. Jun Zhang (Nanjing university) Spherical Cu₂ZnSnSe₄ grains growth in potassium iodide flux for monograin layer solar cells</p>
17:00---17:30	<p>Prof. Haixia Wu (Shanghai Jiao Tong University, China) Preparation of graphene in Bulk Scale</p>	<p>Dr. Stephen M. Kim (CEO, Xi'an SWIP Co., Ltd) Distributed Power System With Energy Storage</p>	<p>Prof. Juan Gao (Zhanjiang Normal University, China) Synthesis and characterization of Cu₂S nanoparticles by diethylenetriamine-assisted hydrothermal method</p>
17:30---18:00	<p>Prof. Jingyan Zhang (Shanghai Jiao Tong University, China) Interactions between graphene oxide and macro-biomolecules</p>	<p>Prof. Miao Zhu (Shanghai Jiao Tong University, China) Some issues on future offshore wind farms</p>	<p>Dr. Qingcui Li (Shanghai Jiao Tong University, China) Step towards removing some obstacles to industrialization of CIGS solar cells</p>
18:00	Banquet		

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October 5th	Contents		
	Session 1 (Site 1)	Session 2 (Site 2)	Session 3 (Site 3)
8:00---8:40	Keynote Speech Prof. H. Koinuma (University of Tokyo, Japan) Innovative ways to produce solar grade Si-operation “cloud over the desert”		
08:40---09:10	Prof. Yafei Zhang (Shanghai Jiao Tong University, China) Arc discharge synthesis and unique applications of carbon nanotubes	Prof. Hongkai Xiong (Shanghai Jiao Tong University, China) Data-driven sparse representation, coding, and transmission of multimedia	Prof. Mikhail Reznichenko (Russian Academy of Science, Russia) Silicon for photovoltaics
09:10---09:40	Prof. Takashi Goto (Tohoku University, Japan) Synthesis of transparent Lu-based oxides by Spark Plasma Sintering	Prof. Shengyong Xu (Peking University, China) Waveguide effect on the transportation of electrical signals in the organisms	Prof. S.A. Kharitonov (Novosibirsk State Technical University, Russia) Intelligent power electronics for renewable energy and electric energy storage systems
09:40---10:10	Prof. Xuhui Sun (Soochow University, China) Synchrotron radiation techniques for nanomaterials study	Dr. Poonam Sharma Quantum artificial leaf	Prof. CY Tsui (Hong Kong University of Science & Technology, Hong Kong) Power IC design
10:10---10:40	Prof. R. Sanjaasuren (Centre for Chemistry and Technology of New Materials National University of Mongolia, Mongolia) Pressing problems of new materials in Mongolia	Prof. Deren Yang (Zhejiang University, China) Germanium-doped crystalline silicon for solar cells	Dr. Pei Zhang (Nanjing University, China) Linear and nonlinear optical properties of nc-Si/SiO ₂
10:40---11:10	Conference Photo and Coffee Break		
11:10---11:40	Prof. Dapeng Yu (Peking University, China) On strain effects in semiconductor Nanowires	Prof. Yaping Dan (UM-SJTU Joint Institute, Shanghai Jiao Tong University, China) Surface engineering of	Dr. Jie Xu (Nanjing university, China) Microscopic and macroscopic charging effect in SiC/Si-NCs/SiC

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11:40---12:10	Prof. DeshengXue (Lanzhou University, China) Low dimension magnetic materilas	Dr. Letha (National Tsinghua University, Taiwan) Single thin film solar cell with poly-Si and a-Si:H absorber layers (SPA) fabricated by ICPCVD-LIA	Prof. Yi Luo (Tsinghua University, China) Solution for high luminescence efficiency solid state lighting
12:10---14:00	Lunch Break Cafeteria Site		
14:00---14:30	Prof. O. N. Srivastava (Banaras Hindu University, India) New nanomaterials and their applications in energy (hydrogen) and medicine (targeted drug delivery)	Prof. Zhiyu “Jerry” Hu (Shanghai Jiao Tong University, China) Power the world from nanoscale	Prof. Kei-May Lau (Hong Kong University of Science & Technology, Hong Kong) LED on silicon for intelligent lighting and display
14:30---15:00	Prof. Zhuo Sun (East China Normal University, China)Nanomaterials for photo-electronic water cleaning applications	Prof. XiangboZeng (Institute of Semiconductors, CAS, China) Effects of silicon film of on performance of silicon nanowire solar cells	Prof. Philip Mok (Hong Kong University of Science & Technology, Hong Kong) LED IC Design
15:00---15:30	Prof. KaiboZheng (Lund University, Sweden) Quantum dots for photovoltaic application	Prof. Fang liu (Tsinghua University, China) Plasmonic metal nanoparticles enhanced solar cells	Dr. J.M. Huang Only light no Heat LED
15:30---16:00	Coffee Break		
16:00---16:30	Prof. Y.N. Kulchin (Institute of automation and control process FEB RAS, Vladivostok, Russia) Self-organizing oceans biomineral nanostructures	Prof. Y. F. Zhang (Shanghai Jiao Tong University, China) Fabrication of 1-D nanomaterials with potential optoelectronic properties	Prof. Shen Jun (Department of Physics, Tongji University, China) Application of aerogel composite thermal insulations in high efficient energy saving buildings
16:30---17:00	Closing Remark Prof. Huey-liang Hwang		