



International Symposium on Physics and Device Applications of Two-dimensional Materials

Tentative Program 2015

Nanjing University
July 12-15

AGENDA

DAY 1
Monday, July 13

OPENING CEREMONY

Venue: 1st floor, Zhixing Hall

A.M.	8:45-9:00	Opening Ceremony
	9:00-9:35	Kang L. Wang <i>UCLA, USA</i> Topological Insulator and other 2D materials
	9:35-10:10	Hongjun Gao <i>Chinese Academy of Sciences, China</i> Construction of 2D Atomic Crystals on Transition Metal Surfaces: Graphene, Silicene, Germanene, and Hafnene
	10:10-10:30	Photo shooting and

Session 1

Venue: 1st floor, Zhixing Hall

13:00-13:30 **From 2D to 3D: The Evolution of Graphene**

Vertical Structures

13:30-14:00	Paulo Yu <i>Purdue University, USA</i>	13:10-13:30
	From Black Phosphorus to Phosphorene	
14:00-14:30	ChaoZeng, Jie <i>Nanjing University, China</i>	13:35-14:00
14:30-15:00	Qizhen Wang <i>Shanghai University, China</i>	14:05-14:30
	Electron Transport and device physics in monolayer MoS ₂	



Electron transport and device physics in monolayer MoS₂

16:55-18:00 **Poster Session**

18:00-20:00 **Banquet**

Session 2

Venue: 2nd floor, Zhixing Hall

P.M. 14:00-14:35 **Andrea Ferrari** *University of Cambridge, UK*

14:35-15:10 **Feng Wang** *UC Berkeley, USA*

15:10-15:45 **Wang Yao** *The University of Hong Kong, HK, China*

Novel exciton systems in transition metal dichalcogenides monolayers and heterobilayers

15:45-16:20 **Ting Yu** *Nanyang Technological University, Singapore*

Tuning Electronic and Valley Structures of Two-dimensional Semiconductors by Applying Electrical and Magnetic potentials

15:20-16:55 **Anlian Pan** *Hunan University, China*

Bandgap Engineering on Low Dimensional Semiconductors: from 1D to 2D Structures

16:55-18:00 **Poster Session**

18:00-20:00 **Banquet**

DAY 2

Tuesday, July 14

Session 1

Venue: 1st floor, Zhixing Hall

A.M. 8:35-9:05 **Xiangfeng Duan** *UCLA, USA*

Two-Dimensional Materials, Heterostructures, and Devices

9:05-9:40 **Wanlin Guo** *Nanjing University of Aeronautics and Astronautics, China*

Mechanical-electric-magnetic coupling and energy conversion in two-dimensional materials

9:40-10:15 **Doron Naveh** *Bar Ilan University, Israel*

Spin pumping and mode locked lasers from topological insulators



10:15-10:30 **Coffee break**

10:30-11:05 **Zhihong Chen** *Purdue University, USA*

Graphene Based All Spin Logic

11:05-11:40 **Kazuhito Tsukagoshi** *NIMS, Japan*

Atomically thin semiconducting channels for future nano-electronics

11:40-12:15 **Zhun-Yong Ong** *Institute of High Performance Computing, Singapore*

Theoretical analysis of electron mobility in single-layer MoS₂ field-effect transistors

P.M. 14:00-14:35 **Jian-Bin Xu** *Chinese University of Hong Kong, HK, China*

Investigation on Graphene-like Materials and their Related Devices

14:35-15:10 **Han Wang** *University of Southern California, USA*

Synthesis and Applications of Novel Two-Dimensional Nanomaterials

15:10-15:45 **Yong-Chai** *Hong Kong Polytechnic University, HK, China*

Session 2

Venue: 2nd floor, Zhixing Hall

University, USA

Yang Technological University, Singapore

Applications of Novel Two-Dimensional

P.M. 8:35 9:05

9:05 9:40

Jun Lou *Rice Un*

Hua Zhang *Nan*

Synthesis and Ap

Nanomaterials

10:15-10:30 **Coffee break**

10:30-11:05 **Yun'ai Liu** Institute of Chemistry, Chinese Academy of Sciences, China

Synthesis of graphene directly on dielectric substrates

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Session 1

Venue: 1st floor, Zhixing Hall

Optics spectroscopy on monolayer carbon nanotubes with Atomic Structure

Prof. Fengchun/Chen Fei/Chen, Linhui

Scanning probe imaging techniques for carbon nanotubes

Break

Prof. Jia/Beihua University, China

Interfacial stress effects on the mechanical properties of carbon nanotubes

Prof.

Prof. Wang/Hangzhou University, China

Carbon nanotubes and their applications in nanotechnology

Prof. Jia/Beihua University, China

Prof. Jia/Beihua University, China

Carbon nanotubes and their applications in nanotechnology

Prof.

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PRACTICAL INFORMATION

Accommodation

Jingli Hotel (晶丽酒店)

Address No.7, West Beijing Road, Gu Lou (南京市鼓楼区北京西路 7 号)

Tel (025)83714270
(025)80848000

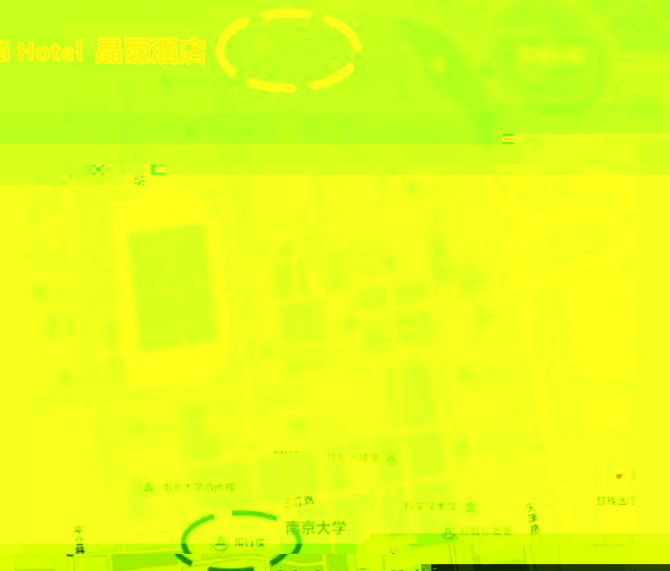
Transport

1. From Nanjing Lukou International Airport 55 minutes by taxi (around 130RMB)
2. From Nanjing Railway Station 15 minutes by taxi (around 17 RMB)
3. From Nanjing South Railway Station 30 minutes by taxi (around 25 RMB)

Conference Venue

Zhixing Hall, Nanjing University (Gulou Campus) 南京大学(鼓楼校区)知行楼

Jingli Hotel 晶丽酒店



Zhixing Hall (conference venue)
南京大学知行楼

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infrastructure