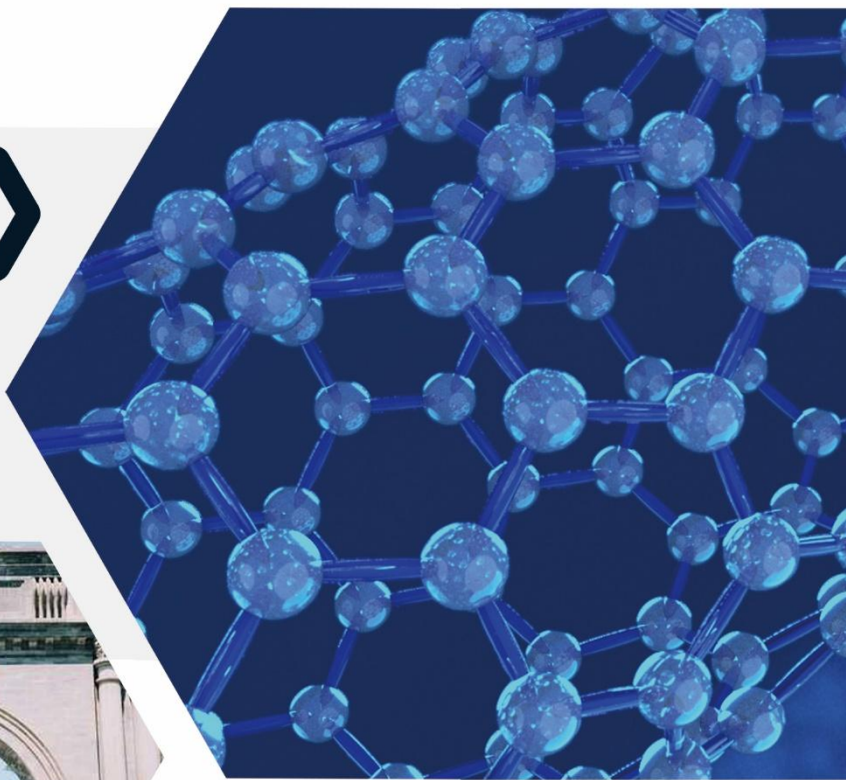


SWCNT



**INTERNATIONAL WORKSHOP CELEBRATING
30 YEARS' ANNIVERSARY
SINCE THE DISCOVERY OF SWCNTS**

CONFERENCE BOOK

OCT 26-28, 2023



Table of Contents

Committee	2
International Advisory Committee	2
Local Organizing Committee	2
Secretary	2
Program	3
Guide	7
Conference Mainpage	7
Conference On Live	7
Registration	7
Main Conference Venue	8
Language	8
Oral Presentations	8
Poster Presentations	8
Internet	9
Online Abstract	9
Travel	9
Meals	11
Contact Information	11
Maps	13
Maps of Shanxi University	13

Committee

International Advisory Committee

Sumio Iijima, **Chair**

Shoushan Fan, **Chair**

Huiming Cheng

Young Hee Lee

Yunqi Liu

Shigeo Maruyama

Lianmao Peng

Mauricio Terrones

Jin Zhang

Local Organizing Committee

Yan Li, **Chair**

Xuele Liang

Xiaoji Zhou

Sisi Feng

Zeyao Zhang

Sheng Zhu

Yan Zhang

Haiping Wang

Secretary

Shuwen Cui

Spectre Lee

Program

Oct 26		
Registration		
Oct 27		
08:10-08:30	Opening Ceremony	
08:30-09:10	Special Talk	Sumio Iijima
09:10-09:50	Plenary Talk 01	Young Hee Lee
09:50-10:10	Break	
10:10-10:50	Plenary Talk 02	Lianmao Peng
10:50-11:30	Plenary Talk 03	Mauricio Terrones
11:30-12:10	Plenary Talk 04	Huiming Cheng
12:10-13:40	Lunch	
13:40-14:05	Invited Talk 01	Wei Sun
14:05-14:30	Invited Talk 02	Huaping Liu
14:30-14:55	Invited Talk 03	Chuanhong Jin
14:55-15:20	Invited Talk 04	Xuelel Liang
15:20-18:00	Poster Presentation	
18:00-20:00	Banquet	
Oct 28		
08:10-08:50	Plenary Talk 05	Shigeo Maruyama
08:50-09:30	Plenary Talk 06	Jin Zhang
09:30-10:10	Plenary Talk 07	Yutaka Ohno
10:10-10:30	Break	
10:30-11:05	Invited Talk 05	Fei Wei
11:05-11:30	Invited Talk 06	Qingwen Li
11:30-11:55	Invited Talk 07	Chang Liu
11:55-12:20	Invited Talk 08	Feng Ding
12:20-13:40	Lunch	
13:40-14:05	Invited Talk 09	Kaili Jiang
14:05-14:30	Invited Talk 10	Anyuan Cao
14:30-14:55	Invited Talk 11	Weiya Zhou
14:55-15:20	Invited Talk 12	Dongming Sun
15:20-15:30	Break	
15:30-15:55	Invited Talk 13	Peining Chen
15:55-16:20	Invited Talk 14	Zeyao Zhang
16:20-17:20	Panel Discussion	
17:20-17:30	Closing Remarks	

October 26, 2023

14:00-20:00

Registration

October 27, 2023

08:10-08:30

Opening Ceremony

Chair:
Yan Li

Special Lectures

08:30-09:10

Sumio Iijima (*Meijo University*)

SL-01 “Audible sound generation from nanomaterials by periodically interrupted visible light irradiation”

Chair:
Shoushan Fan

Plenary Lectures

09:10-09:50

Young Hee Lee (*Sungkyunkwan University*)

PL-01 “van der Waals layered magnetic semiconductors”

Chair:
Yunqi Liu

09:50-10:10

Break

Plenary Lectures

10:10-10:50

Lianmao Peng (*Peking University*)

PL-02 “To Be Announced”

10:50-11:30

Mauricio Terrones (*PennState Institue of Energy and the Environment*)

PL-03 “The Past and Future of Carbon Science and Technology”

Chair:
Yue Zhang
Yuegang Zhang

11:30-12:10

Huiming Cheng (*Shenzhen Institute of Advanced Technology*)

PL-04 “Fabrication and applications of SWCNTs by floating catalyst CVD”

12:10-13:40

Lunch

Invited Talks

13:40-14:05

Wei Sun (*Peking University*)

IV-01 “DNA-Wrapped CNTs: From precise assembly to energy-efficient electronics switches”

Chair:
Feng Ding

14:05-14:30

Huaping Liu (*Insititute of Physics, CAS*)

IV-02 “Recent progress on the separation of single-chirality carbon nanotubes by gel chromatography”

14:30-14:55	Chuanhong Jin (<i>Zhejiang University</i>) IV-03 “Electron beam inspection of field-effect transistors based on aligned carbon nanotube arrays”	Chair: Feng Ding
14:55-15:20	Xuele Liang (<i>Peking University</i>) IV-04 “Introduce to the Institute of Carbon-based Thin Film Electronics, Peking University, Shanxi”	
Poster Presentation		
15:20-18:00	15:30-16:30 for Odd Poster Number (奇数) 16:30-17:30 for Even Poster Number (偶数)	
18:00-20:00	Banquet <i>at Baixing Fishing Village (百姓渔村)</i>	
October 28, 2023		
Plenary Lectures		
08:10-08:50	Shigeo Maruyama (<i>The University of Tokyo</i>) PL-05 “Progress of 1D vdW Heterostructures Based on Single-Walled Carbon Nanotubes”	
08:50-09:30	Jin Zhang (<i>Peking University</i>) PL-06 “Growth of Single-Walled Carbon Nanotubes with Controlled Structure”	Chair: Kaili Jiang
09:30-10:10	Yutaka Ohno (<i>Nagoya University</i>) PL-07 “Physical reservoir computing based on ensemble of CNT-junction nano-memories”	
10:10-10:30	Break	
Invited Talks		
10:30-11:05	Fei Wei (<i>Tsinghua University</i>) IV-05 “Molecular evolutionary growth of carbon nanotubes”	Chair: Dongming Sun
11:05-11:30	Qingwen Li (<i>Suzhou Institute of Nano-tech and Nano-bionics</i>) IV-06 “CNT Research and Industrialization @ Sinano”	

11:30-11:55	Chang Liu (<i>Institute of Metal Research, CAS</i>) IV-07 “A study on the growth mechanism and manipulation of SWCNTs by in situ TEM”	Chair: Dongming Sun
11:55-12:20	Feng Ding (<i>CAS Shenzhen Institutes of Advanced Technology</i>) IV-08 “How much do we understand SWCNTs’ growth?”	
12:20-13:40	Lunch	
	Invited Talks	
13:40-14:05	Kaili Jiang (<i>Tsinghua University</i>) IV-09 “Field Effect Catalysis – Toward an Intelligent Synthesis of SWCNTs”	Chair: Qingwen Li
14:05-14:30	Anyuan Cao (<i>Peking University</i>) IV-10 “Single-Walled Carbon Nanotube Films: Structure Engineering and Energy Applications”	
14:30-14:55	Weiya Zhou (<i>Institute of Physics, CAS</i>) IV-11 “Research on Properties and Potential Applications of SWCNTs: Progress in Our Group”	
14:55-15:20	Dongming Sun (<i>Institute of Metal Research, CAS</i>) IV-12 “Electronic devices based on single-walled carbon nanotubes for the post-Moore’s law era”	
15:20-15:30	Break	
	Invited Talks	
15:30-15:55	Peining Chen (<i>Fudan University</i>) IV-13 “Smart Fiber Materials and Electronics”	Chair: Anyuan Cao
15:55-16:20	Zeyao Zhang (<i>Peking University</i>) IV-14 “Preparation of Single-Walled Carbon Nanotubes for Electronics”	
16:20-17:20	Panel Discussion	Chair: Shigeo Maruyama
17:20-17:30	Closing Remarks	Chair: Yan Li

Guide

Conference Mainpage

swcnt30.cn



Conference On Live



Registration

We will put registration desks in the hotels on October 26 and at the conference venue on October 27. You may make registration and **deliver your poster after arrival.**

Hotels:

- Academic Exchange Center, Shanxi University (山西大学学术交流中心)

- Mehood Lestie Hotel (美豪丽致酒店)
- H-Hotel (H 酒店)

Main Conference Venue

Boya Lecture Hall, Conference Center, Shanxi University

山西大学（坞城校区）会议中心博雅报告厅

Language

English is the official language of the conference.

Oral Presentations

The time limits are 35min with another 5min Q&A for Special Talk and Plenary Lecture, 20 minutes with another 5-minute Q&A for Invited Talk.

A laptop with Microsoft Power Point and Adobe Acrobat Reader will be provided in the conference venue. The screen is 16:9 (4:3 slides are acceptable). It is recommended that you bring the presentation file on a flash disk and copy it to the public laptop before the session starts. All the files will be kept confidential and erased thoroughly after the session.

If you prefer to use private laptop, please test the connection before the session starts.

Poster Presentations

The committee have sent the Poster Number to you. You may also get your number and download the template by visiting <http://swcnt30.cn/swcnt30/#tag=abs>.

Please prepare your poster with the POSTER NUMBER. A one side of board with 90cm in width and 120cm in height will be provided. You may deliver your poster to volunteers when registration. Tapes will be provided if you need to put up on the

board by yourself. Posters printed in landscape or larger than the size of provided board may not be displayed.

Presentation: The Poster Session will take place at Shanxi University on October 27 from 15:20 to 18:00. Please ensure that at least one co-author is available to present the posters from 15:30 to 16:30 for odd-numbered posters and from 16:30 to 17:30 for even-numbered posters.

About Invited Poster: The SWCNT30 Committee have invited part of young scholars in carbon nanotube field as Invited Poster Presenters. There is NO difference in form between invited poster presentation and normal poster presentation. An Invited Poster Presenter should only communicate with other participants and need NOT give a formal presentation. This platform serves as an opportunity for scholars and students to engage in in-depth discussions without any barriers.

Internet

SSID: iSXU-Huiyi

Password: hyzx7011993

Online Abstract

The Abstract Book will not be printed but available at the conference official webpage:
<http://swcnt30.cn/swcnt30>.

Travel

From Taiyuannan Railway Station:

Step to Taiyuannan Bus Station(太原南站公交站), take **Road 868** or **Road 70** to Shanxi University Station(山西大学站).



From Taiyuan Railway Station:

Step to Railway Station Bus Station (火车站公交站), take **Road 812** to Yucheng Road Xuechao Street Bus Station(坞城路学府街口公交站).



From Taiyuan Wusu Airport:

From Airport Terminal Bus Stop(机场航站楼公交站), take **Road 201** to Taiyu Road Xutan East Street Bus Station(太榆路许坦东街口公交站).



Meals

Academic Exchange Center, Shanxi University (山西大学学术交流中心): Supper of Oct. 26, Lunch of Oct 27, Lunch and Supper of Oct 28.

Baixing Fishing Village (百姓渔村):

Banquet in the evening of October 27.

Contact Information

Conference Email:

SWCNT30@pku.edu.cn

swcnt30@163.com

Conference Venue and General Coordinator:

Ms. Sisi Feng

Phone: +86-13546336125

Email: ssfeng@sxu.edu.cn

Station Picking-up and Accommodation:

Ms. Yan Zhang

Phone: 13503511767

Dining and Visiting:

Mr. Haipeng Wang

Phone: +86-13403460018

Travel and Conference Materials:

Ms. Shuwen Cui

Phone: +86-18834827077

Email: 353761911@qq.com

Foreign Guest Reception and Services at Jinci State Hotel:

Dr. Sheng Zhu

Phone: +86-18800181782

Schedule and Report:

Mr. Spectre Lee

Phone: +86-16601248595

Email: lxwk1spectre@foxmail.com

Maps

Maps of Shanxi University





SWCNT30 Committee
SWCNT30@pku.edu.cn