SERS XMU-2025 | ICSERS - 2025

Online Program

Live Photo Stream

— ORGANIZERS —

College of Chemistry and Chemical Engineering, Xiamen University

State Key Laboratory of Physical Chemistry of Solid Surfaces

厦門大學 XIAMEN UNIVERSITY

SERS XMU-2025 | ICSERS - 2025

3rd International Conference on Surface Enhanced Raman Spectroscopy

PROGRAM

November 28-30, 2025

Xiamen, China



CONTENTS

01

Conference Information 02

02

Conference Guide 04

03

Program Schedule 09

04

Poster Session 20

05

Sponsors & Supporters 26

01 CONFERENCE INFORMATION

1.1 ABOUT CONFERENCE

The 3rd International Conference on Surface-Enhanced Raman Spectroscopy（ICSERS-2025）will be held from November 28 to 30, 2025 in Xiamen, China. This conference aims to bring together scientists working on all aspects of SERS, from all over the world to discuss recent developments and propose future directions for SERS. It will also serve as a platform for the reunion of old friends. Comprising 6 plenary lectures, 17 keynote talks, 20 invited talks, 26 oral presentations, and 50 poster presentations, the conference program offers a comprehensive academic experience. Additionally, Best Poster Awards will be granted to top poster presenters at the conference.

1.2 ORGANIZERS

- **College of Chemistry and Chemical Engineering, Xiamen University**
- **State Key Laboratory of Physical Chemistry of Solid Surfaces**

1.3 ORGANIZING COMMITTEE

- **Conference Chairs**



Co-Chairs: Prof. Jian-Feng Li

College of Chemistry and Chemical Engineering, Xiamen University



Co-Chairs: Prof. Hua Zhang

College of Materials, Xiamen University

- **Honorary Chairman**

Prof. Zhong-Qun Tian

- **Secretaries**

Prof. Yue-Jiao Zhang　　Dr. Bao-Ying Wen

1.4 CONFERENCE CONTACT

Chief Coordination	Jian-Feng Li Jin-Chao Dong	+86-18805075018 +86-18250882601
Schedule & Poster	Jia Yu	+86-13264361202
Registration	Bao-Ying Wen	+86-15959262779
Transportation	Yu Gu	+86-13779953860
Accommodation	Jia-Sheng Lin	+86-18215563764
Catering	Jie Wei	+86-18850070105
Campus Access	Yao-Hui Wang	+86-18959288481
Business Cooperation	Xiao-Lei Liu	+86-13009486424

02 CONFERENCE GUIDE

2.1 CAMPUS ACCESS

2.1.1 In accordance with Xiamen University's campus management regulations, external visitors/non-university participants are required to complete access registration to enter and exit the Siming Campus. Please scan the QR code below to fill in your personal identification information before November 28th. The organizing committee will process the advance registration on your behalf (those who have registered via the official website do not need to submit this form).

Scan the QR code to register for campus entry during the conference.

2.1.2 During the conference, participants are requested to enter and exit the campus through Xiamen University's Xicun Gate or Danan Gate. After completing the advance registration, you will need to swipe your ID card (please remember to bring it) for the first entry; subsequent access can be gained via facial recognition.

2.1.3 For further assistance or questions regarding campus access and other related matters, please feel free to contact:

Yao-Hui Wang (Tel: +86-18959288481)
Xiao-Xuan Huang (Tel: +86-18050085193)

2.2 REGISTRATION

The registration site is on the 2nd floor of the Science and Art Center, Xiamen University, and the time is from **9:00-21:00 on November 28, 2025**.

2.3 CONFERENCE LANGUAGE

The official language of the conference is English. Please prepare your slides in English and deliver your presentation on-site in English. No simultaneous interpretation will be provided.

2.4 NOTE FOR SPEAKERS

2.4.1 Different presentation sessions have different durations:

- **Plenary Lectures: 40 minutes (including 3 minutes for Q&A)**
- **Keynote Talks: 25 minutes (including 3 minutes for Q&A)**
- **Invited Talks: 20 minutes (including 3 minutes for Q&A)**
- **Oral Presentations: 15 minutes (including 3 minutes for Q&A)**

To ensure all the sessions can be completed on time, please strictly obey these time limits.

2.4.2 Presenters are requested to copy their PPT materials (16:9 aspect ratio) to the on-site meeting computer 1 hour before the start of their respective session. Conference staff and volunteers will assist in checking the compatibility of the presentation files.

2.5 NOTE FOR POSTER PRESENTATION

2.5.1 Attendees are requested to mount their pre-prepared posters (1.2 m in height × 0.9 m in width) at the designated poster area in the Exhibition Hall on the 1st Floor (1F) of the Science and Art Center from 09:00 to 18:00 on November 28th, according to the assigned serial numbers. Display stands and mounting tools will be provided by the organizing committee.

2.5.2 Poster Arrangements:

- **Poster Setup Time: 9:00-18:00 on November 28th**
- **Poster Exchange Time: 13:30-14:30 on November 29th**
- **Poster Dismantling Time: 14:30-17:30 on November 29th**

2.5.3 The conference will present the Best Poster Awards, with certificates presented during the closing ceremony. Recipients must be present at the ceremony to receive the award; otherwise, it will be considered forfeited.

2.6 GENTLE REMINDER

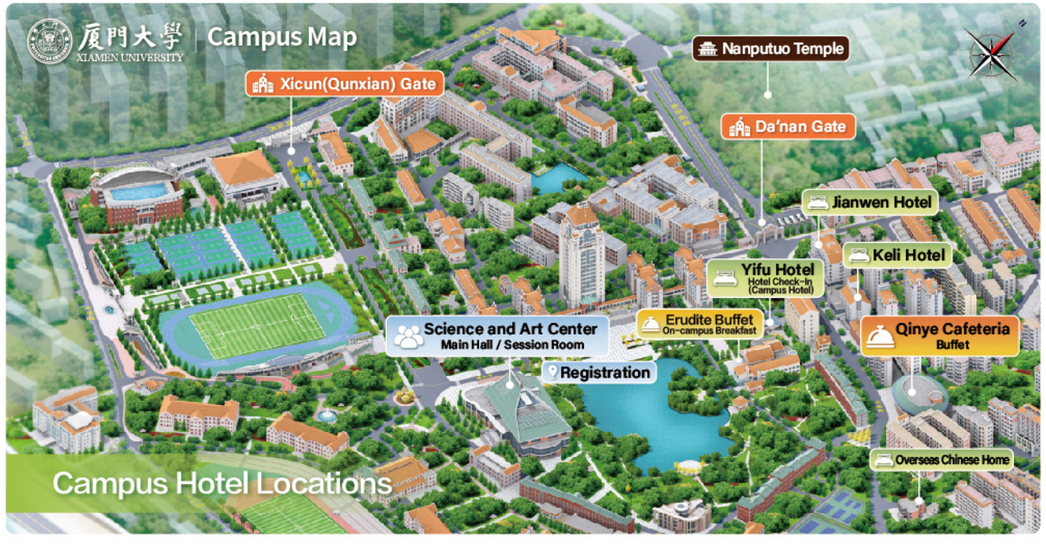
2.6.1 All participants are requested to attend the conference on time and wear the name badges throughout the entire conference period.

2.6.2 Please observe the venue order. Upon entering the meeting room, switch your mobile phones to vibration or silent mode, and avoid loud talking and moving around.

2.6.3 Do not leave valuables such as cash, mobile phones, and laptops in the meeting room to prevent property loss. If any items are misplaced or lost, contact the conference organizing committee promptly.

2.7 ACCOMMODATION GUIDE

2.7.1 For participants accommodated on campus:
If your accommodation is Huaqiao Zhijia (Overseas Chinese Home), please go directly to the hotel's front desk to check in.
If your accommodation is Yifu Building, Jianwen Building, or Keli Building, please check in uniformly at the front desk on the 1st floor of Yifu Building.
Please refer to the on-campus hotel location map for the specific locations of each hotel:



2.7.2 For participants accommodated off campus:
Please pay attention to the distance between your accommodation and the Xiamen University venue. Plan your round-trip routes in advance and allow sufficient time for morning and evening rush hours.
Please refer to the off-campus hotel location map for the specific locations of each hotel:



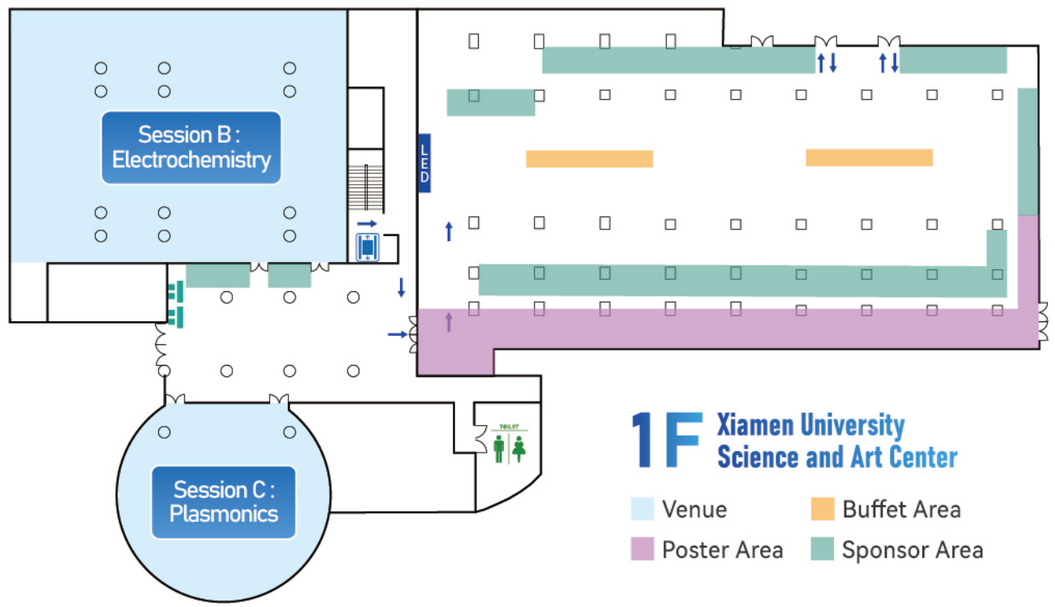
2.8 CATERING GUIDE

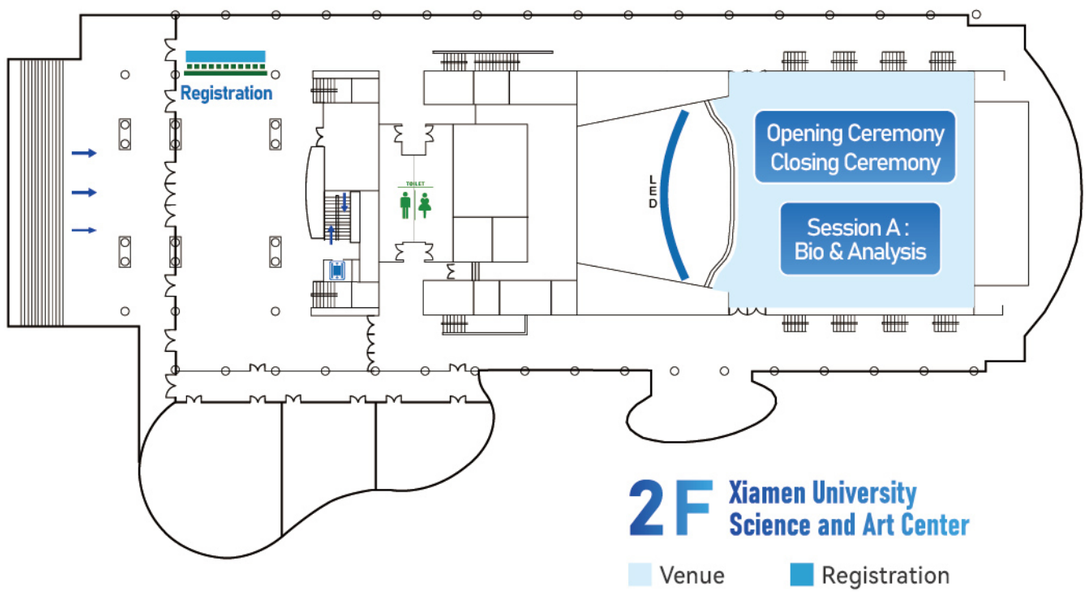
2.8.1 This conference meal voucher is the only valid proof of eligibility for dining. Please ensure you carry it with you at all times and keep it safe.

2.8.2 Please read the details on the meal voucher carefully. Dine at the designated date, time, and location as indicated on each voucher.

2.8.3 During the conference, breakfast for all on-campus hotels is served at "Erudite Buffet" from 7:00 AM to 9:00 AM.

2.9 MAIN VENUE & SUB-VENUE FLOOR PLAN





03 PROGRAM SCHEDULE

3.1 GENERAL SCHEDULE

Detailed Agenda

Date	Time	Content	Venue
Nov. 28, 2025	All-Day	Registration	Science and Art Center 2F - Registration
	Evening	Buffet Dinner	Science and Art Center 1F - Exhibition Hall
Nov. 29, 2025	Morning	Opening	Science and Art Center 2F - Concert Hall
		Plenary Talk	
	Noon	Buffet Lunch	Qinye Restaurant 3F
		Poster	Science and Art Center 1F - Poster Area
	Afternoon	Keynote Talk Invited Talk Oral Talk	Science and Art Center 2F - Concert Hall (Session A) 1F - Multi-function Hall (Session B) 1F - Conference Room 1 (Session C)
	Evening	Buffet Dinner	Buffet Restaurant
Nov. 30, 2025	Morning	Keynote Talk Invited Talk Oral Talk	Science and Art Center 2F - Concert Hall (Session A) 1F - Multi-function Hall (Session B) 1F - Conference Room 1 (Session C)
	Noon	Buffet Dinner	Qinye Restaurant 3F
	Afternoon	Keynote Talk Invited Talk Oral Talk	Science and Art Center 2F - Concert Hall (Session A) 1F - Multi-function Hall (Session B) 1F - Conference Room 1 (Session C)
		Plenary Talk	Science and Art Center 2F - Concert Hall
		Closing	
	Evening	Dinner & Departure	Qinye Restaurant 3F

3.2 DETAILED SCHEDULE

OPENING CEREMONY & PLENARY SESSIONS

Nov. 29th, 2025 (Sat.) Science and Art Center 2F Concert Hall

Detailed Agenda

Time	Theme	Chair
08:30-08:45	Opening Ceremony	Jian-Feng Li
08:45-08:50	Opening Photo	
08:50-09:30	**PL-1:** Stephan Link (University of Illinois Urbana-Champaign, USA) **Title:** Insights from single particle spectroscopy of plasmonic nanostructures	Tianquan (Tim) Lian
09:30-10:10	**PL-2:** Jin Zhang (Peking University, China) **Title:** Artificial intelligence for materials science: transforming research paradigms	
10:10-10:40	Coffee Break	
10:40-11:20	**PL-3:** Tianquan (Tim) Lian (University of Pennsylvania, USA) **Title:** Time-resolved SERS study of ultrafast plasmon driven selective excitation of adsorbate vibrational modes	Stephan Link
11:20-12:00	**PL-4:** Vartkess Ara Apkarian (University of California, Irvine, USA) **Title:** SERS without field enhancement photons as the carriers in electron transport	
12:00-13:30	Buffet Lunch	
13:30-14:30	Poster	

3.3 PARALLEL SESSIONS

Nov. 29th, 2025 (Sat.)

Session A: Bio & Analysis
Location: Science and Art Center 2F Concert Hall

Detailed Agenda

Time	Topic	Speaker	Affiliation	Chair
14:30-14:55	K1-1: Background-free SERS for biomedical analysis	Dingbin Liu	Nankai University, China	HongWei Duan
14:55-15:15	I1-1: Dual-fingerprint Raman measurement technologies for multi-targeted bio analysis	Ai-Guo Shen	Wuhan Textile University, China	
15:15-15:35	I1-2: Dynamic analysis of cell-drug interaction based on SERS data mining	Feng Lu	Naval Medical University, China	
15:35-15:50	O1-1: Machine learning-aided label-free SERS sensing for early detection of lung cancer	Kun Zhang	Shanghai Institute for Pediatric Research, China	
15:50-16:10	Coffee Break			
16:10-16:35	K1-2: Functional nanoparticles for ultrasensitive biodetection and targeted delivery	HongWei Duan	Nanyang Technological University, Singapore	Ai-Guo Shen
16:35-16:55	I1-3: Coherent Raman spectroscopic imaging of biological and medical systems using supercontinuum light source	Hideaki Kano	Keio University, Japan	
16:55-17:10	O1-2: Studying stress response process of cell during electrical stimulation through spectra techniques	Guo-Hua Qi	Shenzhen University, China	
17:10-17:25	O1-3: DNA secondary conformations studied by Surface-Enhanced Raman Spectroscopy	Xinhua Guo	Jilin University, China	
18:30-21:00	Buffet Dinner			

Nov. 29th, 2025 (Sat.)

Session B: Electrochemistry
Location: Science and Art Center 1F Multi-function Hall

Detailed Agenda

Time	Topic	Speaker	Affiliation	Chair
14:30-14:55	K2-1: Metal/alloy nanoparticle-based biosensing and catalysis	Chuan-Jian Zhong	State University of New York at Binghamton, USA	Ilko Bald
14:55-15:15	I2-1:A Question of Attribution: What exactly is Pt-OH when electrosorbed at Pt{hkl}?	Gary A. Attard	University of Liverpool, UK	
15:15-15:35	I2-2: Catalytic performance of plasmonic metal nanostructures	Lin Jiang	Soochow University, China	
15:35-15:50	O2-1: Design and applications of ECL/SERS sensing platform	Lin Shi	Xidian University, China	
15:50-16:10	Coffee Break			
16:10-16:35	K2-2: Probing chemical reactions by Surface-Enhanced Raman scattering using complex plasmonic nanostructures	Ilko Bald	University of Potsdam, Germany	Chuan-Jian Zhong
16:35-16:55	I2-3: Multi-dimensional SERS chemical fingerprinting and deep learning analysis for the identification of complex mixtures	Meikun Fan	Southwest Jiaotong University, China	
16:55-17:10	O2-2: Reversible Electric-Regulation of Surface-Enhanced Raman Spectroscopy	Yang Wu	Shandong Normal University, China	
17:10-17:25	O2-3: Interface microenvironment regulation electrocatalytic deuteration using D_2O	Meng He	Tianjin University, China	
18:30-21:00	Buffet Dinner			

Nov. 29th, 2025 (Sat.)

Session C: Plasmonics
Location: Science and Art Center 1F Conference Room 1

Detailed Agenda

Time	Topic	Speaker	Affiliation	Chair
14:30-14:55	K3-1: Single-molecule Raman detection via synergic electromagnetic and chemical enhancement enabled by coulomb-attraction driven spontaneous molecule-hotspot pairing	Zhi-Yuan Li	South China University Of Technology, China	Dangyuan Lei
14:55-15:15	I3-1: Updated mechanism of salt-induced aggregation-based single-molecule Surface-Enhanced Raman Spectroscopy	Jixiang Fang	Xi'an Jiaotong University, China	
15:15-15:35	I3-2: Nanogap-confined optical cavities for high-sensitivity detection of surface-bound molecules	Gyeongwon Kang	Kangwon National University, Republic of Korea	
15:35-15:50	O3-1: Computational–spectroscopic insights into chemical effects in plasmon-enhanced nanospectroscopy	Liangxuan Wang	University of Tübingen, Germany	
15:50-16:10	Coffee Break			
16:10-16:35	K3-2: Quantum tunnelling induced nonlinear optics in plasmonic nanocavities	Dangyuan Lei	City University of Hong Kong, China	Zhi-Yuan Li
16:35-16:55	I3-3: A Simple View of the (Rather Complex) Stark Effect in SERS	Juan C. Otero	Universidad de Málaga, Spain	
16:55-17:10	O3-2: Bichiral plasmonic nanoparticles with geometry-dependent circular dichroism	QingFeng Zhang	Wuhan University, China	
17:10-17:25	O3-3: Design and synthesis of chiroplasmonic nanostructures: From induced chirality to intrinsic chirality	Wenxin Niu	Changchun Institute of Applied Chemistry, CAS, China	
18:30-21:00	Buffet Dinner			

Nov. 30th, 2025 (Sun.)

Session A: Bio & Analysis
Location: Science and Art Center 2F Concert Hall

Detailed Agenda

Time	Topic	Speaker	Affiliation	Chair
08:30-08:55	K1-3: MOF-enhanced SERS detection	Jianfang Wang	The Chinese University of Hong Kong, China	Yung Doug Suh
08:55-09:20	K1-4: Nanoarray-based SERS rapid detection of trace-level toxic pollutants and drugs	Guowen Meng	Hefei Institutes of Physical Science, Chinese Academy of Sciences, China	
09:20-09:40	I1-4: On-bead microspectroscopy for SERS biosensing	Shuping Xu	Jilin University, China	
09:40-10:00	I1-5: Ice–water interfacial SERS reveals novel icing inhibition dynamics	Honglin Liu	Hefei University of Technology, China	
10:00-10:15	O1-4: SERS detection of biomaterials using plasmonic nanoarrays	Qi Hao	Southeast University, China	
10:15-10:35	Coffee Break			
10:35-11:00	K1-5: 26 Years of TERS: from its Birth & Naming to Growing	Yung Doug Suh	Ulsan National Institute of Science and Technology, Republic of Korea	Tullio Scopigno
11:00-11:20	I1-6: 2D SERS nanomaterials for biosensing	Yong Yang	Shanghai Institute of Ceramics, CAS, China	
11:20-11:35	O1-5: Single-cell Raman spectroscopy combined with metabolomics reveals distinct metabolic profiles in medulloblastoma subtypes	Yijia Peng	Shanghai Jiao Tong University, China	
11:35-11:50	O1-6: SERS-based chiral detection strategies and their applications in detecting cancer-associated salivary biomarkers of D-amino acids	Xinling Liu	Shanghai Normal University, China	

Time	Topic	Speaker	Affiliation	Chair
12:00-14:00	Buffet Lunch			
14:00-14:25	K1-6: Stimulated Raman Scattering and surface enhancement: a synergy which is still worth pursuing?	Tullio Scopigno	Sapienza University of Rome, Italy	Jianfang Wang
14:25-14:40	O1-7: From single particle spectroscopy to shape-controlled plasmonic metamolecules	Yiyu Cai	Macau University of Science and Technology, China	
14:40-14:55	O1-8: Clinical translations of silent-region SERS theranostics for simultaneous monitoring and promotion of bacterial wound healing	Zhun Nie	Hainan Medical University, China	
14:55-15:10	O1-9: V-shaped heterostructure nanocavities array with CM and EM coupled enhancement for ultra-sensitive SERS substrate	Abdur Rahim	Shandong Normal University, China	
15:10-15:40	Coffee Break			



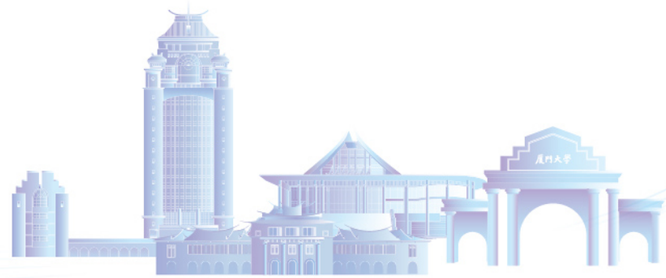
Nov. 30th, 2025 (Sun.)

Session B: Electrochemistry
Location: Science and Art Center 1F Multi-function Hall

Detailed Agenda

Time	Topic	Speaker	Affiliation	Chair
08:30-08:55	K2-3: Geometric and electronic redox properties of single-molecule junctions	Katrin F. Domke	University of Duisburg-Essen, Germany	Wei Wang
08:55-09:20	K2-4: In-situ terahertz spectroscopic observation of electrical double layers using Surface-Enhanced Raman scattering	Katsuyoshi Ikeda	Nagoya Institute of Technology, Japan	
09:20-09:40	I2-4: Towards polaritonic electrochemistry	Kei Murakoshi	Hokkaido University, Japan	
09:40-10:00	I2-5: Combining in situ SERS and IR spectroscopy to study thiol molecules on Au surfaces	Zhangfei Su	University of Guelph, Canada	
10:00-10:15	O2-4: Investigation of the interfacial growth mechanism of SURMOFs by surface infrared reflection-absorption spectroscopy	Jinliang Zhuang	Guizhou Normal University, China	
10:15-10:35	Coffee Break			
10:35-11:00	K2-5: An optical nano-coulometer approach for measuring the contact resistance between nanoparticle and electrode	Wei Wang	Nanjing University, China	Katrin F. Domke
11:00-11:20	I2-6: Effect of subradiant plasmon resonance on Surface-Enhanced Raman scattering signal	Yuko S Yamamoto	Japan Advanced Institute of Science and Technology, Japan	
11:20-11:35	O2-5: Surface-Enhanced Raman nanostructure design and in situ analysis of high temperature processes	Jing Shao	Shenzhen University, China	
11:35-11:50	O2-6: Fabrication and mechanistic study of transition metal sulfide-based nanozyme-SERS bifunctional substrates	Sisi Wen	Xingtai University, China	

Time	Topic	Speaker	Affiliation	Chair
12:00-14:00	Buffet Lunch			
14:00-14:25	K2-6: Plasmonic pathway to hybrid nanomaterials through energy transfer	Christy F. Landes	University of Illinois Urbana-Champaign, USA	Katsuyoshi Ikeda
14:25-14:40	O2-7: Versatile plasmonic coupling islands for ultrasensitive SERS sensing and photodegradation	Fuwei Pi	Jiangnan University, China	
14:40-14:55	O2-8: Defective material regulated the electrosynthesis of deuterated amines using deuterium water as the deuterium source	Rui Li	Tianjin University, China	
14:55-15:10	O2-9: Uncovering excited-state coupling in conjugated polymers through resonance Raman Spectroscopy	Junjun Guo	Tsinghua University, China	
15:10-15:40	Coffee Break			



Nov. 30th, 2025 (Sun.)

Session C: Plasmonics
Location: Science and Art Center 1F Conference Room 1

Detailed Agenda

Time	Topic	Speaker	Affiliation	Chair
08:30-08:55	K3-3: Tip-enhanced Raman spectroscopy for chemical imaging at the nanometer scale	Renato Zenobi	Eidgenössische Technische Hochschule Zürich, Switzerland	Andrzej Kudelski
08:55-09:15	I3-4: Enhanced Raman spectroscopy in optical and acoustic traps for the detection of small microplastics and nanoplastics	Pietro G. Gucciardi	Consiglio Nazionale delle Ricerche - Institute for Chemical - Physical Processes, Italy	
09:15-09:35	I3-5: Sensitive metal-free SERS substrates	Yasutaka Kitahama	University of Tokyo, Japan	
09:35-09:55	I3-6: Detecting collective molecular vibrations with Surface-Enhanced Raman Spectroscopy	Niclas S. Mueller	Freie Universität Berlin, Germany	
09:55-10:10	O3-4: Bottom-up fabrication of plasmonic nanostrcture for Highly sensitive SERS detection	Xiang Lin	Dalian Minzu University, China	
10:10-10:30	Coffee Break			
10:30-10:55	K3-4: Polarized excitation, angular scattering and directional effects in tipenhanced Raman spectroscopy	Alfred J. Meixner	University of Tübingen, Germany	Renato Zenobi
10:55-11:15	I3-7: Plasmon enhanced luminescence of RE^{3+} doped nanoparticle	Zhenglong Zhang	Shaanxi Normal University, China	
11:15-11:30	O3-5: Unlocking plasmonic hot electron utilization on palladium nanoparticles via modulation of bimetallic interface for enhanced photocatalysis	Yutao Cao	Nankai University, China	
11:30-11:45	O3-6: Digital colloid-enhanced Raman spectroscopy by single-molecule counting	Xinyuan Bi	Shanghai Jiao Tong University, China	

Time	Topic	Speaker	Affiliation	Chair
12:00-14:00	Buffet Lunch			
14:00-14:25	K3-5: Shell-isolated nanoparticle-enhanced Raman spectroscopy (SHINERS): Example applications and synthesis of nanomaterials	Andrzej Kudelski	University of Warsaw, Poland	Alfred J. Meixner
14:25-14:45	I3-8: Meta-tricks: Making SERS quantitative with built-in optical interferometry	Ivano Alessandri	University of Brescia, Italy	
14:45-15:00	O3-7: Development of stable plasmonic materials for environmental analytical applications	Zhiyang Zhang	Yantai Institute of Coastal Zone Research, CAS, China	
15:00-15:15	O3-8: Ultrasensitive Surface-Enhanced Raman scattering measurement of macromolecules	Xuejin Zhang	Nanjing University, China	
15:15-15:40	Coffee Break			

PLENARY SESSIONS & CLOSING CEREMONY

Nov. 30th, 2025 (Sun.) Science and Art Center 2F Concert Hall

Detailed Agenda

Time	Theme	Chair
15:40-16:20	**PL-5:** Jwa-Min Nam (Seoul National University, Republic of Korea) **Title:** Plasmonic nanogap-enhanced Raman scattering with nanoparticles	Vartkess Ara Apkarian
16:20-17:00	**PL-6:** Hongxing Xu (Wuhan University, China) **Title:** Quantitative SERS at the single-molecule level and its prospects based on statistical protocols	
17:00-17:30	Closing Ceremony	Jian-Feng Li
17:30-20:00	Dinner & Departure	

04 POSTER SESSION

Nov. 29, 2025, 13:00-14:30

Location: Science and Art Center 1F - Poster Area

P-01	Surface-Enhanced Raman Spectroscopy combined with advanced AI algorithms for liquid biopsy in cancer diagnosis
	Luhao Li, Ren Zhang, Hui Chen (Fudan University, China)
P-02	Multi-stage screening and staging of obesity-induced T2DM via non-targeted SERS-AI platform with biochemical interpretability
	Qixin Miao, Ren Zhang, Mingxia Gao (Fudan University, China)
P-03	Three-dimensional SERS-active hydrogel microbeads enable highly sensitive homogeneous phase detection of alkaline Phosphatase in biosystems
	Lili Cong, Songling Zhang, Shuping Xu (The First Hospital of Jilin University & Jilin University, China)
P-04	Bioinspired hierarchical multi-synergistic interface for the capture and phenotype analysis of CTCs on a multistage SERS-microfluidic platform
	Changbiao Zhan, Rongke Gao, Liandong Yu (China University of Petroleum (East China), China)
P-05	Background-free rolling circle amplification for SERS bioassay using chimeric hairpin integrated CRISPR/Cas12a system
	Xian-Ming Guo, Yue-Jiao Zhang, Jia-Sheng Lin, Jian-Feng Li (Xiamen University, China)
P-06	Application of SERS in oxygen reduction reaction
	Siying Zhang, Yingying Duan, Ruonan Teng, Jingqi Guan, Weidong Ruan (Jilin University, China)
P-07	First highly sensitive detection of 6PPD using a SERS-colorimetric dual-mode method
	Yujie Yan, Wei Lin, Liping Chen, Xiaojun Luo, Yuanyuan Li (Shanghai University of Sport & Xihua University, China)
P-08	Enhanced non-destructive SERS detection in muscle tissue: Functionalizing acupuncture needles with planar silver dendrites
	Yanqiang Cao, Liyong Jiang (Nanjing University of Science and Technology, China)
P-09	Tunable gold nanocrystal films for ultrasensitive and reproducible SERS detection
	Minglu Bu, Yiyu Cai (Macau University of Science and Technology, China)
P-10	Raman scattering measurement of single nanoparticle collision
	Haowei Wang, Shaochuang Liu, Yitao Long (Nanjing University, China)
P-11	In situ SERS probing the structure change and interfacial water on monolayer 1T'-TMD during acid HER
	Han-Liang Zhong, Zijian Li, Yao-Hui Wang, Hua Zhang, Jian-Feng Li (Xiamen University & City University of Hong Kong, China)
P-12	Interfacial water regulation enables efficient Zn^{2+} transport and electrode stability
	ChongYuan Zhai, Yao-Hui Wang, Jian-Feng Li (Xiamen University, China)
P-13	Template-based fabrication of plasmonic nanopore for integrated optical-electrochemical sensing
	Bao-Kang Xie, Shao-Chuang Liu, Yi-Lun Ying, Yi-Tao Long (Nanjing University, China)
P-14	Fast ion dynamic exchange at electrochemical interfaces
	Xiaoting Yin, Feng Wang, Jun Huang, Deyin Wu, Jun Cheng, Bingwei Mao, Jiawei Yan (Xiamen University, China & Tan Kah Kee Innovation Laboratory, China & Forschungszentrum Jülich GmbH, Germany & RWTH Aachen University, Germany)
P-15	In-situ SERS insights into tailoring key intermediates and interfacial water in $Ag_{92}Ru_8$ aerogel for sustainable nitrate reduction to ammonia
	Junjie Chen, Wei Song (State Grid Sichuan Electric Power Research Institute & Jilin University, China)
P-16	PDDA-functionalized glass fiber membranes with Ag/rGO for instantaneous and sensitive detection of sulfasalazine
	Meichun Liu, Tianyuan Liu, Xinna Yu, Tianshuo Lan, Meizhen Huang (Shanghai Jiao Tong University, China)
P-17	Designing your own Smart SERS Sensor (DYOSSS): AI assisted smart agent for rapidly discovering new quantitative and qualitative analytical detection mechanisms
	Jiarui Gao, Jun Xu (Tsinghua University, China)

P-18	Raman-based 3D reconstruction of tissue lesions using tetrahedral unstructured mesh refinement
	Yang Luo, Zilin Wei, Wenkai Liu, Haoqiang Xie, Li Lin (Shanghai Jiao Tong University, China)
P-19	A dual-signal SERS biosensor based on magnetic nanoparticles for sensitive exosome detection
	Wenxi Wang, Renjie Li, Kaixi Yin, Wenli Chen, Xiandeng Hou, Li Wu (Sichuan University, China)
P-20	SpecRecFormer: Similarity-driven methods for adaptive open-set recognition of complex spectra
	Xinna Yu, Tianyuan Liu, Tianshuo Lan, Meichun Liu, Meizhen Huang (Shanghai Jiao Tong University, China)
P-21	SERS-based rapid quantification of propofol for real-time perioperative precision sedation monitoring
	Siyi Han, Enduo Feng (Shanghai Fourth People's Hospital, School of Medicine, Tongji University, China)
P-22	In-situ Surface-Enhanced Raman Spectroscopy monitoring of Rhodamine 6G degradation in agricultural products by TiO_2@COF@Au multifunctional photocatalyst
	Liping Chen, Yueyue Ma, Xiaojun Luo (Xihua University, China)
P-23	Preparation and humidity sensitive properties of NH2-MIL-125/silicon nanoporous pillar array
	Lingling Yan, Xinyu Shi, Hongxin Cai, Yixin Shao, Liang Chen, Qiang Hu, Lingli Wang (Henan Polytechnic University & Zhengzhou University of Light Industry, China)
P-24	Enantioselective Surface-Enhanced Raman Scattering by chiral Au nanocrystals with chiral fields and internal standards
	Yu Tian, Wenxin Niu (Changchun Institute of Applied Chemistry, CAS, China)
P-25	Single-cell SERS profiling of IL-6-associated pyroptosis in breast cancer subtypes
	Xin Wang, Shuping Xu (Jilin University, China)
P-26	Layered biometal nanoporous platforms for SERS sensing
	Yanqiu Zou, Anastasiia Sapunova, etc. (Zhejiang University, China & Istituto Italiano di Tecnologia, Italy & Università degli Studi di Milano-Bicocca, Italy, etc)

P-27	Ultrafast photoelectron imaging of spatiotemporal plasmonic vortices
	Qian Chen, Shuoshuo Zhang, Guoyu Xian, Haoqiang Hu, Yuquan Zhang, Xiaocong Yuan, Changjun Min, Yanan Dai (Southern University of Science and Technology, China)
P-28	Portable Raman-combined microfluidic sensor with femtosecond laser-fabricated VCSAS for SERS detection of trace Pb^{2+} and Cd^{2+} in seawater
	Hancheng Liu, Rongke Gao, Liandong Yu (China University of Petroleum (East China), China)
P-29	Nano-micro hierarchical anemone-like substrates integrated SERS-based microfluidic sensor for highly sensitive detection of Hg^{2+} in seawater
	Yiyue Yu, Rongke Gao, Liandong Yu (China University of Petroleum (East China), China)
P-30	Stretchable plasmonic SERS hydrogel patch for versatile metabolite sensing on bio-interfaces
	Xuanting Liu, Yide Yang, Zehou Su, Jiayin Song, Jian Ye, Li Lin (Shanghai Jiao Tong University, China)
P-31	Construction of micro-nano hierarchical structures with collective properties for SERS sensing
	Shuang Lin, Mingyuan Dong, Chi Li (Dalian Minzu University, China)
P-32	Highly spherical, single crystalline Au nanospheres for uniform and reproducible hot spots in Surface-Enhanced Raman Scattering at the single-particle level
	Huan Cheng, Yue-Jiao Zhang, Jiawen Hu, Jian-Feng Li (Xiamen University & Hunan University, China)
P-33	Construction of a magnetic dual-signal SERS aptasensor for the ratiometric detection of acetamiprid in tea samples
	Chongyang Qin, De Zhang, Chenxi Jin, Pu Wang, Fei Guo, Dejiang Ni, Pei Liang, Zhi Yu (Huazhong Agricultural University, China)
P-34	In-situ Raman spectroscopy reveals the mechanism of enantioselective based on chiral plasmonic gold nanoparticles
	Xiaoning Luo, Yao-Hui Wang, Jiawen Hu, Jian-Feng Li (Hunan University & Xiamen University, China)
P-35	Construction of a self-cleaning SERS aptasensor based on TiO_2 foam for efficient separation and rapid detection of multiple pyrethroid pesticides
	Danni Duan, Yun Han, Dejiang Ni, Pei Liang, De Zhang (Huazhong Agricultural University, China)

P-36	Development of high time resolution HPLC-SERS using concentrated SERS array for trace samples
	U. Yamaguchi, V. S. Kumagai, H. Takei (Toyo University, Japan)
P-37	Morphology and depletion force-based assembly of nanocubes
	Yuna Kwak, Yeonhee Lee, Seungsang Cha, Jwa-Min Nam (Seoul National University, Republic of Korea)
P-38	Chiral light emissions from WSe_2 monolayer enhanced by (chiral nanoparticle)-on-mirror structures
	Ruiqian Zhang, Ruoqi Ai, Jiale Wang, Xiaolu Zhuo, Jianfang Wang (The Chinese University of Hong Kong, China)
P-39	Highly precise nanocomposite coating fabrication using PVD-ALD technologies for SERS detection
	Le Coultre Sylvain David (Bern University of Applied Sciences, Switzerland)
P-40	Interfacial coupling and charge transport in planar molecular junctions on copper-based graphene
	Zi-You Pan, Bi-Jun Geng, Hongyu Chen, Yang Yang (Xiamen University, China)
P-41	Enhancing iridium efficiency for ocidic oxygen evolution reaction via co-based support engineering
	Xin Liang, Yiyao Quan, Ziling Ye, Baoqun Lu, Yang Yang (Xiamen University, China)
P-42	Study on the Surface Behavior and Activity Regulation of IrOx for OER in the Presence of Cl
	Xiao-Hui Zhang, Hua Zhang, Jian-Feng Li (College of Materials, Xiamen University)
P-43	Probing the response of Pt-H bond to interfacial cation dynamics via in situ Raman in alkaline hydrogen evolution
	Zhen Zhang, Jin-Chao Dong, Jian-Feng Li (Xiamen University, China)
P-44	Dual-bipolar conjugated organic polymer cathode enabling ultra-stable 10000-cycle organic lithium and sodium batteries
	Tianfu Li, Ping Gao, Zhen Chen, Xiu-Mei Lin, Jian-Feng Li (Xiamen University, China)

P-45	Lewis-base electrolyte additive mediates interfacial chemistry for stable lithium metal batteries
	Rong Fang, Dr. Siyuan Ma, Lian Ding, Dr. Yu Gu, Xin Dong, Dr. Duan-Hui Si, Prof. Jing-Hua Tian, Dr. Xiu-Mei Lin, Prof. Bing-Wei Mao, Prof. Jian-Feng Li (Xiamen University & Minnan Normal University, China)
P-46	Revealing the CO tolerance mechanism in acidic hydrogen oxidation reactions on platinum-based catalyst surfaces
	Zi-Han Chen, Xing Chen, Wei Kang, Shisheng Zheng, Quan-Feng He, Qiong-Qiong Li, Yu-Xing Zhang, Yu-Cheng Hou, Jing-Hua Tian, Jin-Chao Dong, Jian-Feng Li (Xiamen University, China)
P-47	Unraveling the nafion effect on the ORR at Pt electrodes by in-situ Raman spectroscopy
	Shu-Ming Xing, Jiayang Lin, Jin-Chao Dong, Jian-Feng Li (Xiamen University & Innovation Laboratory for Sciences and Technologies of Energy Materials of Fujian Province, China)
P-48	Carbon nanotube-enabled microstructure regulation for overcoming mass transfer limitations and poisoning in fuel cells
	Yao-Lin A, Wen-Xuan Yu, Hua Zhang, Jian-Feng Li (Xiamen University, China)
P-49	The CO_2 assisted reconstruction of copper coordination polymers enables C–C coupling during CO_2 electroreduction
	Zeyu Zhang, Hua Zhang, Jian-Feng Li (Xiamen University, China)
P-50	Shell-isolated nanoparticle-enhanced femtosecond stimulated Raman spectroscopy reveals ultrafast molecular dynamics of surface reactions
	Hong-Gang Sun, Yuhan He, Ling-Yun Hu, Renxian Gao, Jing-Liang Yang, Huijie Liu, Xiaguang Zhang, Guilin Yin, Bin Hu, Zhongzhang Shi, Ye Yang, Yao-Hui Wang, Hua Zhang, Jinxuan Liu, Shisheng Zheng, Yu Gu, Zhaohui Wang, Jian-Feng Li (Dalian University of Technology & Xiamen University & Gannan Normal University & Hangzhou Dianzi University & Guizhou University & Henan Normal University & Innovation Laboratory for Sciences and Technologies of Energy Materials of Fujian Province & Minnan Normal University, China)

05 SPONSORS & SUPPORTERS

— Premier Booth（Diamond） —

HORIBA

— Premium Booth（Gold） —

ThermoFisher SCIENTIFIC

雷尼绍 RENISHAW apply innovation™

天美 Techcomp

EDINBURGH INSTRUMENTS

— Enhanced Booth（Silver） —

OXFORD INSTRUMENTS

TELEDYNE

福芯科技 FORTEC

OPTOSKY 奥谱天成

Metrohm 瑞士万通中国

DynaSense 鼎信优威

— Standard Booth —

optime 光谱时代

惟光探真 Lumixplore

EXCIPOLAR 谱光慧联

Hiferg Technology 北京海菲尔格科技有限公司

SPL 杭州普镭光电技术有限公司 Hangzhou SPL Photonics Co.,Ltd

ciss 中智科仪 Intelligent Scientific Systems

ULTRON PHOTONICS INC

贝拓科学

BAYSPEC

Quantum Design CHINA

CNI Laser 长春新产业光电

基元科技 Technique for Advanced Materials

CryoPride 中船鹏力超低温

Zolix 卓立汉光

Anton Paar

ideoptics 复享

忆玺智科 YIXIST

OPLAN

埃光科技 APhoton Technology

JINSP 鉴知

如海光电 OCEANHOOD

北京理工大学 BEIJING INSTITUTE OF TECHNOLOGY

鹭翔嘉仪 LU XIANG JIA YI

PERSEE TECH

光散射學報 THE JOURNAL OF LIGHT SCATTERING

VISIYUN 睿视兴科技

河北工業大学 HEBEI UNIVERSITY OF TECHNOLOGY

Wayne Labs 众韦光电 INSTRUMENTS & SOLUTIONS

昊真科技 HAOZHEN TECHNOLOGY

— Media Support —

仪器信息网 www.instrument.com.cn

MeLab 米测科技 Better Research

HORIBA

JOBIN YVON Technology

全方位拉曼分析解决方案

满足拉曼分析多样需求





HORIBA 为用户提供全套的光谱解决方案，
让每一位研究家都尽情发挥奇思妙想，
让每一个分析都闪耀艺术的光芒，
让复杂的科学工作成为赏心悦目的乐事！

在 HORIBA，从工业级、分析级到科研级，您可以轻松选到满足您多样需求的光谱仪；
在 HORIBA，您可以享受到便捷、全面的应用和售后服务支持，为您的研究分析保驾护航。
所有这些，都来自光谱技术的引领者——HORIBA

扫/描/二/维/码
即/刻/联/系/我/们

欢迎至展台
与专家现场交流

HORIBA

JOBIN YVON Technology

SignatureSPM

化学原子力显微镜

多模态　同区域　易操作



- 完整的 AFM 形貌、电学、力学测量功能
- 同区域拉曼 & PL 等光谱测量
- 操作简单，软件友好，使用方便

扫/描/二/维/码
即/刻/联/系/我/们

HORIBA 集团

HORIBA 是全球著名的分析与检测仪器制造商之一。致力于为用户提供先进的检测和分析仪器，涉及光学光谱、分子光谱、表面测量、粒度表征、元素分析等。
HORIBA 旗下拥有众多知名品牌的技术优势，包括近 200 年光谱制造技术经验的 Jobin Yvon。今天，HORIBA 的各种高端检测分析仪器已经遍布全球各地，并在中国实现了销售和服务的本土化，位于上海、北京、广州、西安、成都、武汉等地的产品专家、售后服务团队以及全国各地的代理商机构可充分保障国内用户的技术咨询以及售后服务需求。

上海办公室：021-6289 6060　北京办公室：010-8567 9966　广州办公室：020-3878 1883　西安办公室：029-8886 8480　成都办公室：028-8620 2663

HORIBA 集团

HORIBA 是全球著名的分析与检测仪器制造商之一。致力于为用户提供先进的检测和分析仪器，涉及光学光谱、分子光谱、表面测量、粒度表征、元素分析等。
HORIBA 旗下拥有众多知名品牌的技术优势，包括近 200 年光谱制造技术经验的 Jobin Yvon。今天，HORIBA 的各种高端检测分析仪器已经遍布全球各地，并在中国实现了销售和服务的本土化，位于上海、北京、广州、西安、成都、武汉等地的产品专家、售后服务团队以及全国各地的代理商机构可充分保障国内用户的技术咨询以及售后服务需求。

上海办公室：021-6289 6060　北京办公室：010-8567 9966　广州办公室：020-3878 1883　西安办公室：029-8886 8480　成都办公室：028-8620 2663

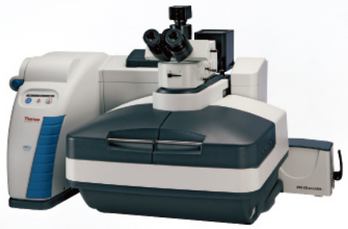
Explore the future　HORIBA

ThermoFisher SCIENTIFIC

精准之道，始于洞察

赛默飞拉曼解决方案

面对复杂的分析挑战，赛默飞拉曼解决方案化繁为简。无论是科研成像测试，还是前沿的联用研究，我们助您精准决策，解锁材料、药物与化学的未知奥秘。







Thermo Scientific™ DXR3xi 拉曼成像显微镜

研究级拉曼成像系统，以更快的成像速度、更高的空间分辨率和极简的样品制备流程，为用户提供高效的成像分析能力。系统具备全自动校准与聚焦功能，支持 3D 共聚焦成像、地形测绘与先进粒子分析，可轻松应对不平整表面与微小污染物的鉴定需求，结合直观的 OMNIC™xi 软件平台，实现从纳米材料到制药研究的精准分析与可视化呈现。

典型应用领域：

- 纳米技术与材料科学
- 塑料微粒与聚合物分析
- 电子组件与地质样品
- 制药研究与学术开发

Thermo Scientific™ DXR3 Flex 智能拉曼光谱仪

科研级拉曼光谱仪，专为多技术联用设计。体型小巧，数据质量优异，支持与 XPS、拉曼积分球、红外光谱仪等联用。

典型应用领域：

- 过程 / 生物过程监测
- 纳米技术
- 材料科学研究
- 学术研究
- 液体微量成分与微量气体测量
- 红外 - 拉曼电化学联用
- 拉曼 -XPS 联用
- 拉曼 -Rohmeter 联用

MarqMetrix All-In-One 在线拉曼光谱仪

采用最新硬件与软件技术，固态设计无移动部件，无需频繁校准，采样速度快至毫秒级，结果准确稳定。

典型应用领域：

- 生物制药：上游培养监控、下游蛋白纯化、ADC 过程监测
- 化药：合成监控、晶型监测
- 化工：过程监控、快速质控

期待与您交流，共同探索拉曼技术的无限可能！

赛默飞 官方微信

赛默飞化学分析 官方微信

服务热线：800 810 5118/400 650 5118
中文网站：www.thermofisher.cn
E-mail 地址：sales.cad@thermofisher.com

RENISHAW
apply innovation™

Raman spectroscopy
from research to routine



Renishaw's spectroscopy products incorporate manypatented innovations.
We produce a wide range ofRaman instruments including;

- inVia™ confocal Raman microscope
- Virsa™ Raman analyser
- Strada® Intelligent Raman Microscope
- inLux™ SEM Raman interface
- Custom Raman instruments

www.renishaw.com.cn/raman

Scan and follow

上海	T +86 21 6180 6416	E shanghai@renishaw.com	天津	T +86 22 8485 7632	E tianjin@renishaw.com	青岛	T +86 532 8503 0208 E qingdao@renishaw.com
北京	T +86 10 8420 0202	E beijing@renishaw.com	成都	T +86 28 8652 8671	E chengdu@renishaw.com	西安	T +86 29 8833 7292 E xian@renishaw.com
广州	T +86 20 8550 9485	E guangzhou@renishaw.com	重庆	T +86 23 6865 6997	E chongqing@renishaw.com	宁波	T +86 574 8791 3785 E ningbo@renishaw.com
深圳	T +86 755 3369 2648	E shenzhen@renishaw.com	苏州	T +86 512 6660 6825	E suzhou@renishaw.com	郑州	T +86 371 6658 2150 E zhengzhou@renishaw.com
武汉	T +86 27 6552 7075	E wuhan@renishaw.com	沈阳	T +86 24 2334 1900	E shenyang@renishaw.com		

www.renishaw.com.cn

© 2023 Renishaw plc。版权所有。

Techcomp | EDINBURGH INSTRUMENTS A Techcomp Company

RAMAN AND BEYOND

About US

Edinburgh Instruments focuses on the molecular spectroscopy field, providing high-quality molecular spectroscopy instruments. The company has over 50 years of experience in the design, research and development, and manufacturing in this field.

EI Raman Microscope is fully customizable to meet scientific research and analytical needs, making them an ideal choice for rigorous quality control and innovative academic research.



Module Design-RMS1000



Integrated Design-RM5

True Confocal

An adjustable confocal pinhole enables higher spatial resolution and superior fluorescence background suppression. It can be flexibly optimized for specific applications.

Dual Spectrometers

Offers both standard focal length and enhanced focal length spectrometers. They deliver ultra-high resolution, high sensitivity, and excellent stray light rejection.

Upright/ Inverted Microscope

Features reflection/transmission illumination for visualization and contrast enhancement techniques.

Multi-Modal Imaging

Raman Spectroscopy | Photoluminescence (PL) | Fluorescence Lifetime (FLIM) | Second Harmonic Generation (SHG) | Electroluminescence (EL)

Customization and Extensibility

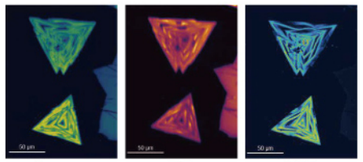
Supports various in-situ cells, large external lasers, a second microscope, low wavenumber measurements, large sample stages, and 0-360° polarization.

Python SDK enables integration with complex third-party equipment.

Multi-Dimensional Imaging

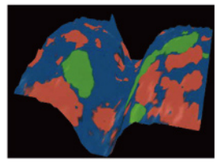
1D, 2D, 3D, FastMAP, SurfMAP and MultiMAP for spatial distribution analysis.

2D FAST Mapping



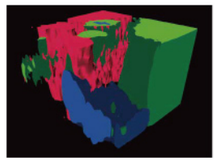
MoS_2 Multi-Modal Imaging

Surface Mapping



Distribution Analysis of Paracetamol, Aspirin, and Caffeine by SurfMAP

3D mapping



3D mapping of the Distribution of Feldspar, Organic Matter, Quartz, and Anatase in a Feldspar Rock Fissure.

Techcomp

天美集团总部
香港新界葵涌永得利广场1座2606
t 852—27519488
e techcomp@techcomp.com.hk

天美仪拓实验室设备(上海)有限公司
上海市松江新桥民益路 201号16幢
t 021-67687200
e TIL_AI@techcomp.cn

天美仪拓实验室设备（上海）有限公司

北京分公司
北京市朝阳区北苑路58号航空科技大厦1号楼4层
t 010—64010651
e TIL_AI@techcomp.cn

广州分公司
广州市海珠区南边路38号保利1918产业园自编20号楼A218
t 020-32644011
e TIL_AI@techcomp.cn

全国免费服务热线
400-810-7898
www.techcomp.cn
www.techcomp.com.hk

天美集团官方网站　天美分析官方微信

witec360 Raman Microscope and Hexalight Spectrometer: Pioneering a New Era of Raman Imaging

OXFORD INSTRUMENTS

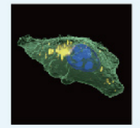
Oxford Instruments: Empowering Scientific Breakthroughs

Product Advantages

- **Research-Grade:** Wide spectral range and high sensitivity, with automatic switching of six gratings.
- **Multi-Technique Integration:** Capable of integrating with PL, AFM, SNOM, SHG, FLIM, SEM, and profilometry.
- **Modular Customization:** Modular design supports customization and long-term upgrade needs.
- **Smart and Convenient:** Rich automation options and multi-user access functionality.
- **User-Friendly:**Stable optical path and streamlined control software.



Life Sciences



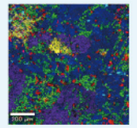
Label-free and sensitive analysis in neuroscience and cancer research.

Semiconductor



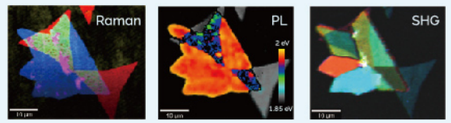
PL image of defects with different bandgap properties in a 4H-SiC wafer, showing spectral characteristics of 4H-SiC (blue), 4H-SiC with stacking faults (orange, green) and 3C-SiC (grey).

Pharmaceutical



Raman image showing the spatial distribution of various APIs and excipients on the surface of a pharmaceutical tablet.

Materials Science



Correlative Raman, PL and SHG analysis of a 2D material heterostructure.

苏州铭显精密仪器有限公司

起售价：69.8 万元

突破光学衍射极限：
Beyond the Diffraction Limit:

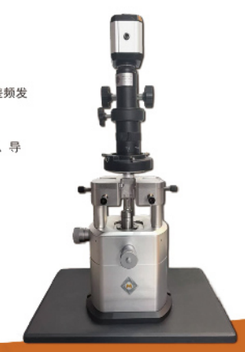
可搭建
纳米红外（Nano-IR）
太赫兹（THz）光谱的
原子力显微镜

产品特点：

- 开放式的 AFM 结构设计，给予足够空间搭建外光路；
- 兼容从可见光到中红外、太赫兹波段；
- 兼容各类红外光源，如 QCL（量子级联激光器），DFG（差频发生器）激光器，CO2 激光器、太赫兹光源等；
- 高稳定性、多功能的 AFM 系统：包含扫描开尔文显微镜、导电力显微镜、压电响应力显微镜等。

应用领域：

- 光学超材料
- 表面等离激元
- 石墨烯等离基元
- 石墨烯
- 光电流 / 太赫兹
- 六方氮化硼



原子力显微镜与光的集成方案
AFM Integration with Light

可与
拉曼光谱实现联用的光谱的
原子力显微镜

产品特点：

- 开放式的 AFM 结构设计，给予足够空间引入外部激光；
- 物镜（100X，0.55NA）垂直内嵌式设计给予系统最优的光路和最大的收集效率；
- 兼容市面上几乎所有的拉曼光谱仪；
- 高稳定性、多功能的 AFM 系统：包含扫描开尔文显微镜、导电力显微镜、压电响应力显微镜等。

应用领域：

- 石墨烯等离基元
- 表面等离激元
- 薄膜与二维材料
- 半导体
- 光电流 / 太赫兹
- 光学超材料
- 聚合物与复合材料



公司地址：江苏省昆山市巴城镇迎宾西路 2001 号 B 幢 6 楼
公司官网：www.mxafm.com
联系电话：021-31252000、13817907735（微信同号）
联 系 人：陈经理

欢迎关注公司官方微信号

TELEDYNE PRINCETON INSTRUMENTS
Everywhereyoulook™



www.princetoninstruments.com.cn

OPTOSKY
Spectroscopy Solutions

China's Leading High-End Spectrometer Enterprise with fully Independent R&D Across the Entire

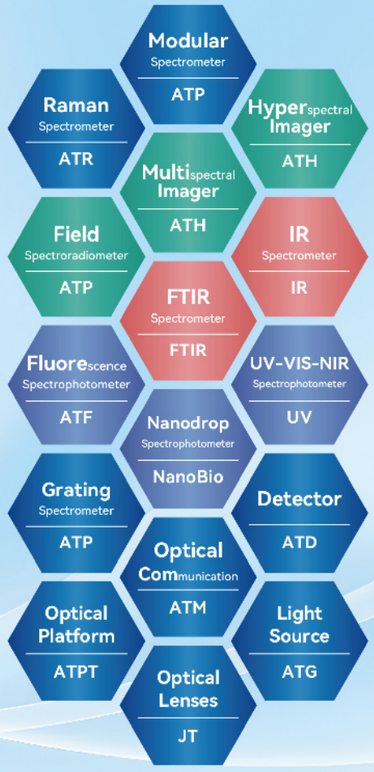
Chain | Comprehensive Product Portfolio | In-Depth Industry Expertise | Localized OriginaManufacturerServices

Optosky Group was founded in 2015 by internationally renowned spectroscopy expert Dr. Hongfei Liu and is headquartered in Xiamen, China. As a national-level high-tech enterprise, we specialize in the research, development and manufacturing of high-end spectral analysis instruments.

With over 50% of our team dedicated to R&D and the annual investment exceeding 30% of revenue, Optosky possesses industry-leading independent innovation capabilities. We have established a comprehensive spectroscopy product system centered on Raman spectrometers, encompassing fiber optic spectrometers, hyperspectral imagers etc. Our products are widely used across various fields including scientific research, semiconductors, biopharmaceuticals and agriculture.

To date, Optosky products have been exported to over 70 countries and regions worldwide, achieving significant breakthroughs in independent technological development and establishing the company as a global leader in the field of spectroscopic instruments. The group holds more than 70 invention patents and has led or participated in the formulation of 22 national, industry, and association standards. Our achievements have been recognized with multiple prestigious awards, including the Fujian Provincial Science and Technology Progress First Prize and the China Optical Engineering Society Science and Technology Progress First Prize.

Tel: 4008-508-928
Web: www.optosky.net



i-Raman NxG

Next-generation quality control measurements utilizing laboratory Raman spectroscopy

Metrohm 瑞士万通中国



https://www.metrohm.cn
marketing@metrohm.com.cn
400-604-0088
瑞士万通订阅号 瑞士万通服务号

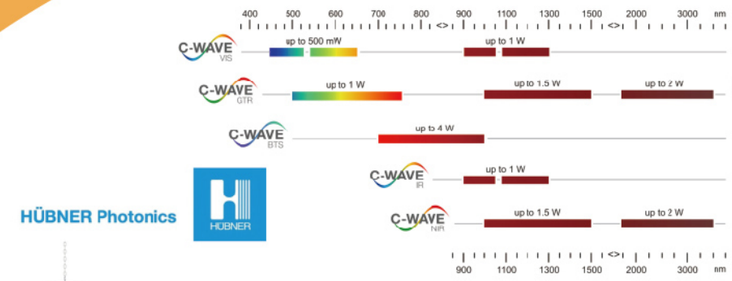
DynaSense 鼎信优威

北京鼎信优威光子科技有限公司

地址：北京市西城区太平街6号富力摩根中心E座915室
电话：131-2160-4043 邮箱：info@dyna-sense.com

1MHz窄线宽，700-980nm，单波长功率最高可达1W

C-Wave BTS 波长可调OPO激光器





HÜBNER Photonics



785nm固体激光器

超窄线宽< 100 kHz，信噪比 > 70 dB
完美TEM00光束，功率高达500mW
非常适合拉曼光谱和全息术。



Semrock光学滤光片

IBS 离子束溅射硬镀膜，满足预算的合适产品、定制尺寸、光谱等。可选择带通、长通&短通、 陷波等多种类型。

OXFORD INSTRUMENTS | ANDOR



Andor科研级相机

CCD、SCMOs、EMCCCD、ICCD、大靶面相机、X射线相机、红外相机

Company Introduction

BaySpec, founded by optical engineers, is dedicated to manufacturing rugged, high-performance optical instruments. We have delivered over 100,000 spectrometers and related equipment to customers worldwide. Our core principles of technological innovation, R&D investment, and efficient management underpin our enduring success in the spectroscopy industry. BaySpec manufactures all core system components domestically in the United States, with every stage-from detector packaging and grating fabrication to control electronics and software development—completed at our Silicon Valley headquarters. This vertically integrated model empowers us with enhanced innovation capabilities and exceptional cost efficiency, enabling BaySpec to truly stand out in the competitive landscape. Our product portfolio includes, but is not limited to: Raman spectrometers; FT-CARS coherent Raman flow cytometers; fast linear ion trap mass spectrometers; hyperspectral imagers; and miniature integrating sphere IR/fiber optic spectrometers.

Laboratory Benchtop / Industrial Online Portable / Wearable Raman Spectrometers



FT-CARS Coherent Raman Flow Cytometer



Fast Linear Ion Trap Mass Spectrometer



Hyperspectral Imaging Cameras



Miniature Integrating Sphere Infrared Spectrometer



BaySpec Scientific Instruments (Shanghai) Co., Ltd. Web: **www.bayspeccn.com** Email: **salessupport@bayspeccn.com**
Contact: **Mr. Zhou** Mcl: **+86 183 2198 2630**

WeChat Official Account

