The Third

Asian Spectroscopy Conference

November 28 - December 1, 2011, Xiamen, China

http://www.asc2011.org

THIRD CIRCULAR

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IMPORTANT DATES

Deadline for Early-Bird Registration	September 30, 2011
On-site Registration (with City Tour in the afternoon)	November 28, 2011
Meeting Dates	November 29 - December 1, 2011

CONTACT DETAILS

Secretary-General: Prof. REN, Bin
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INVITATION

The Third Asian Spectroscopy Conference (ASC2011) will be organized by Xiamen University on November 28 through December 1, 2011. This meeting aims to bring together scientists working on various aspects of spectroscopy, from all countries in the Asian and Pacific regions to enable stimulating discussion and exchange of information. It is hoped that students from these regions will gain immensely from participating in this meeting and interacting with international experts.

TOPICS AND SCOPE

Optical spectroscopy has remained an important area of research. Contributions are invited for oral or poster presentation subjects within the scope of the conference:

- Theory
- Raman, Fluorescence, IR, Terahertz and Microwave Spectroscopy
- Time-resolved Spectroscopy and Ultrafast Phenomena
- Non-linear Spectroscopy (CARS, SRS, SFG, etc.)
- Surface-enhanced and Tip-enhanced Spectroscopy
- Application to Material Science and Technology
- Application to Catalysis and Electrocatalysis
- Application to Biology and Medicine
- Application to Surface Science and Trace Analysis
- Novel Spectroscopies, Data Analyses and Chemometrics

CONFERENCE AND EXHIBITION

According to the constitution of the ASC, the objective of this conference is "*to bring together spectroscopists in all the Asian and Pacific countries to stimulate contacts and exchange of experiences*". It will consist of plenary, keynote, invited and oral sessions, poster presentation, and an instruments exhibition. World-known scientists will be invited to give plenary lectures at the conference. Also, social programs, excursion, as well as program for accompanying persons will be nicely organized.

Instrument manufacturers and related firms are invited to show their products and services at the conference exhibition.

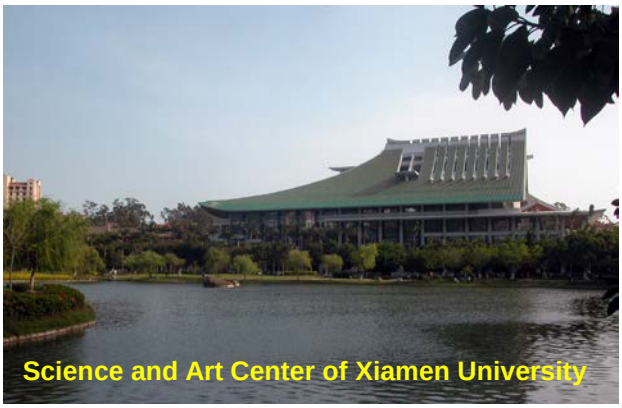
SYMPOSIUM FORMAT

The scientific program of the conference will begin in the morning of November 29 and end in the afternoon of December 1, 2011. It consists of plenary lectures (40 min.), keynote lectures (30 min.), invited talks (20 min.), oral presentations (15 min.), poster session and vendor exhibition. Three parallel sessions will be organized: *Raman Spectroscopy*, *Fluorescence Spectroscopy* and *Infrared and Other Spectroscopies*. The official language of the conference is English, no translation or interpreting facilities will be available. The facility of presentation is multimedia projector. The poster size should be 90 cm (width) × 120 cm (height).

XIAMEN: THE VENUE

The venue city will be Xiamen, also known as Amoy, a beautiful subtropical coastal city on the west coast of the Taiwan Strait. There is a wealth of golden beaches, parks, ancient temples, museums, and concert halls in the city and its vicinity. No wonder in recent years the city has won the finals of the world's Human Settlements and Environment Awards, "Nations in Bloom", and other awards. The weather in November is fine and comfortable. Xiamen is easily accessible by air; Xiamen International Airport (XMN) is one of the leading international airports in China with excellent services and first-rate facilities. There are direct flights from Bangkok, Hong Kong, Kuala Lumpur, Manila, Seoul, Singapore and Tokyo. Xiamen is a hub linked to more than 50 domestic airports.

The venue site will be the Science and Art Center of Xiamen University with excellent facilities, on the side of the beautiful and peaceful Furong Lake, surrounded by lines of palm trees and embraced by the flourish banyan trees.


Science and Art Center of Xiamen University

SCHEDULE

Monday, November 28	Tuesday, November 29
13:00-22:00 Registration Exhibition Hall, Science and Art Center (1st Floor)	09:00-09:20 Opening Ceremony
	09:20-10:00 Plenary Lecture 1
	10:00-10:40 Plenary Lecture 2
	10:40-11:00 Coffee Break
	11:00-11:40 Plenary Lecture 3
	11:40-12:20 Plenary Lecture 4
	12:30-14:00 Lunch
14:00-18:00 City Tour	14:00-18:00 Parallel Sessions 16:00-16:20 Coffee Break
19:00 Reception	18:30-20:00 Sponsored Dinner 20:00-21:30 Culture Night
Wednesday, November 30	**Thursday, December 1**
08:30-12:30 Parallel Sessions 10:30-10:50 Coffee Break	08:30-12:30 Parallel Sessions 10:30-10:50 Coffee Break
12:30-14:00 Lunch	12:30-14:00 Lunch
14:00-16:00 Parallel Sessions 16:00-18:30 Poster Session	14:00-14:40 Plenary Lecture 5
	14:40-15:20 Plenary Lecture 6
19:00 Banquet	15:20-15:40 Coffee Break
	15:40-16:20 Plenary Lecture 7
	16:20-17:00 Plenary Lecture 8
	17:00-17:15 Closing Ceremony

General Sessions / Plenary Lectures

Concert Hall, Science and Art Center (2nd Floor)

Nov. 29, Morning		
Chairperson: Bin Ren		
9:00-9:20	Opening Ceremony	
Chairpersons: Can Li, Soo-Ying Lee		
9:20-10:00	Plans for Preparing *M*-Entangled Molecules *Richard N. Zare (Stanford University, USA)*	PL01
10:00-10:40	Super Vibrational Spectroscopy with Hyper-Raman Scattering *Hiro-o Hamaguchi (The University of Tokyo, Japan)*	PL02
10:40-11:00	Coffee Break	
Chairpersons: Shu-Ming Nie, Seong-Keun Kim		
11:00-11:40	Pushing the Limits of Surface-Enhanced Raman Spectroscopy: Single Molecules, Single Particles and Femtosecond Time Resolution *Richard P Van Duyne (Northwestern University, USA)*	PL03
11:40-12:20	Femtosecond Time Resolved Raman Spectroscopy *Siva Umapathy (Indian Institute of Science, India)*	PL04
Dec. 1, Afternoon		
Chairpersons: Tahei Tahara, Donald McNaughton		
14:00-14:40	UV and Deep UV Raman Spectroscopic Characterization of Catalytic Material *Can Li (Dalian Institute of Chemical Physics, CAS, China)*	PL05
14:40-15:20	Spectroscopy of Reaction Intermediates Using *p*-H_2 Matrix Isolation, Step-Scan FTIR, and IR-VUV Ionization Techniques *Yuan-Pern Lee (National Chiao Tung University, Taiwan)*	PL06
15:20-15:40	Coffee Break	
Chairpersons: Elangannan Arunan, David Lee Phillips		
15:40-16:20	Single Molecule Bio-spectroscopy: Real-time Observation of an Enzymatic Reaction *Seong-Keun Kim (Seoul National University, Korea)*	PL07
16:20-17:00	Simple Aspects of Femtosecond Stimulated Raman Spectroscopy *Soo-Ying Lee (Nanyang Technological University, Singapore)*	PL08
Chairperson: Bin Ren		
17:00-17:15	Closing Ceremony	

Session 1: Raman Spectroscopy

Conference Room No. 01, Science and Art Center (1st Floor)

Tuesday, Nov. 29 Afternoon	Wednesday, Nov. 30 Morning	Wednesday, Nov. 30 Afternoon	Thursday, Dec. 1 Morning
14:00-14:30 Keynote Lecture (S. M. Nie)	8:30-10:10 Invited Talks (K. Kim, I. C. Chen, T. Itoh, B. Zhao, Y. C. Liu)	14:00-14:30 Keynote Lecture (L. A. Nafie)	8:30-9:10 Invited Talks (J. Zhang, C. Q. Sun)
14:30-15:10 Invited Talks (Z. Q. Tian, K. Murakoshi)	10:10-10:40 Oral Presentations (W. S. Yue, P. Xu)	14:30-14:50 Invited Talks (Y. T. Chen)	9:10-10:25 Oral Presentations (W. W. Cai, D. Zhang, X. X. Yu, W. Qiu, A. O. Solak)
15:10-16:10 Oral Presentations (Q. Xue, M. Futamata, D. Y. Wu, J. L. Yao)	10:40-10:50 Coffee Break	14:50-16:05 Oral Presentations (S. Tiwari, D. J. Han, L. T. T. Huong, H. Yurtseven, Q. Guo)	10:25-10:50 Coffee Break
16:10-16:30 Coffee Break	10:50-11:50 Invited Talks (H. X. Xu, X. Zhu, T. Pal)	16:05-18:30 Poster Session	10:50-11:30 Invited Talks (J. R. Durig, S. L. Zhang)
16:30-17:30 Invited Talks (K. Venkat, T. Ogura, J. M. Hu)	11:50-12:35 Oral Presentations (C. Z. Huang, W. P. Qian, X. Y. Ling)		11:30-12:15 Oral Presentations (M. G. Yao, M. Kurt, B. Kolesov)
17:30-18:15 Oral Presentations (C. L. Ma, V. Dharmaraj, S. Shigeto)			

Nov. 29, Afternoon		
Chairpersons: Masayuki Futamata, Qi Xue		
14:00-14:30	Single-Molecule and Singe-Nanoparticle SERS: 15 Years Later *Shuming Nie (Emory University, USA)*	1-K-01
14:30-14:50	How far plasmon-enhanced Raman spectroscopy (PERS) can go *Zhongqun Tian (Xiamen University, China)*	1-I-01
14:50-15:10	Anisotropic Polarization of a Single Molecule at Metal Nanogap under Illumination *Kei Murakoshi (Hokkaido University, Japan)*	1-I-02

15:10-15:25	Monolayer detection on flat metal surface via SERS and SFG *Qi Xue (Nanjing University, China)*	1-O-01
15:25-15:40	Formation of closely adjacent gold nanoparticles by chemical and electrostatic interaction for enormous SERS enhancement *Masayuki Futamata (Saitama University, Japan)*	1-O-02
15:40-15:55	A theoretical study of Raman spectra of substituted benzene derivatives adsorbed on metal surfaces *Deyin Wu (Xiamen University, China)*	1-O-03
15:55-16:10	Ultrasensitive Competitive Immunoassay for Hg^{2+} Ions Based on Surface-Enhanced Raman Spectroscopy *Jianlin Yao (Soochow University, China)*	1-O-04
16:10-16:30	Coffee Break	
Chairpersons: Jiming Hu, Takashi Ogura		
16:30-16:50	Advanced vibrational spectroscopy in soft solids and multiphase composites – Applications in personal care industry *Krishnan Venkat (ITC Ltd, India)*	1-I-03
16:50-17:10	Microsecond Protein Dynamics of Cytochrome c Oxidase as Studied with Resonance Raman Spectroscopy *Takashi Ogura (University of Hyogo, Japan)*	1-I-04
17:10-17:30	Bio-Raman spectroscopy, a powerful technique for bioanalysis and disease diagnosis *Jiming Hu (Wuhan University, China)*	1-I-05
17:30-17:45	High Pressure Raman Scattering Studies of Rotator Phase Transition in n-Heptane *Chunli Ma (Jilin University, China)*	1-O-05
17:45-18:00	Low Temperature Raman Study on $Ca(Fe_{0.95}Co_{0.05})_2As_2$ *Victor Dharmaraj (Indian Institute of Science, India)*	1-O-06
18:00-18:15	Low-Frequency Raman Spectra and Structures of Crystal Polymorphs of a Building Block of Chiral Catalysts: 1,1'-Binaphthyl *Shinsuke Shigeto (National Chiao Tung University, Taiwan)*	1-O-07
Nov. 30, Morning		
Chairpersons: I-Chia Chen, Tamitake Itoh		
8:30-8:50	Effect of Organic Vapors on Surface Potential of Noble Metal Nanoparticles Probed by Surface-Enhanced Raman Scattering *Kwan Kim(Seoul National University, Korea)*	1-I-06
8:50-9:10	Surface-enhanced Raman Scattering Spectra of Metal Complexes *I-Chia Chen (National Tsing Hua University, Taiwan)*	1-I-07
9:10-9:30	Analysis of blinking in surface enhanced resonance Raman scattering and fluorescence by molecular fluctuations and plasmon resonance changes *Tamitake Itoh (National Institute of Advanced Industrial Science and Technology, Japan)*	1-I-08
9:30-9:50	Semiconductor Materials as SERS-active Substrates *Bing Zhao (Jilin University, China)*	1-I-09

9:50-10:10	Surface-Enhanced Raman Scattering based on Electrochemical Methods *Yu-Chuan Liu (Taipei Medical University, Taiwan)*	1-I-10
10:10-10:25	Electron-beam Lithography of Nanostructured Substrates for Surface-Enhanced Raman Spectroscopy *Weisheng Yue (King Abdullah University of Science and Technology, Saudi Arabia)*	1-O-08
10:25-10:40	Fabrication of Silver Nanostructures on Polyaniline Substrates for SERS Applications *Ping Xu (Harbin Institute of Technology, China)*	1-O-09
10:40-10:50	Coffee Break	
Chairpersons: Tarasankar Pal, Weiping Qian		
10:50-11:10	Plasmon-based interferometric logic and plasmon-assisted chemical reactions *Hongxing Xu (Institute of Physics, CAS, China)*	1-I-11
11:10-11:30	Plasmonic Properties in Symmetry Broken Nanostructures *Xing Zhu (Peking University, China)*	1-I-12
11:30-11:50	Mono- and Bi-metallic Nanoparticles in SERS *Tarasankar Pal (Indian Institute of Technology, India)*	1-I-13
11:50-12:05	Light Scattering Signals: from Assemble of Nanoparticles to Single Nanoparticles *Chengzhi Huang (Southwest University, China)*	1-O-10
12:05-12:20	Fabrication of Gold Nanoshells with Tunable Plasmon Resonance and their Applications in Biosensors *Weiping Qian (Southeast University, China)*	1-O-11
12:20-12:35	Ultra-Sensitive Anisotropic Ag Nanocrystal Films for Inorganic and Organic Arsenic Sensing *Xingyi Ling (Nanyang Technological University, Singapore)*	1-O-12
Nov. 30, Afternoon		
Chairpersons: Yit-Tsong Chen, Dejun Han		
14:00-14:30	Vibrational Optical Activity: Overview and State-of-the-Art Applications *Laurence A. Nafie (Syracuse University, USA)*	1-K-02
14:30-14:50	Microspectroscopic Characterizations of Crystalline Structure, Exciton-Phonon Excitation, and Electron Transfer in Nanomaterials *Yit-Tsong Chen (National Taiwan University, Taiwan)*	1-I-14
14:50-15:05	Investigating Organelle-specific Water Structures in Living Yeast Cells Using Raman Microspectroscopy *Shraeddha Tiwari (University of Tokyo, Japan)*	1-O-13
15:05-15:20	Time-Resolved Raman Spectroscopy Based on a Strip Silicon Photomultiplier and Time-correlated Single Photon Counting Technique *Dejun Han (Beijing Normal University, China)*	1-O-14

15:20-15:35	Position and FWHM of the Raman Band at 1068-1072 cm^{-1}: Possibility to Identify Natural and Synthetic Beryl *Le Thi-Thu Huong (Hanoi University of Science, Vietnam)*	1-O-15
15:35-15:50	Raman Frequency Shift as an Order Parameter in Biphenyl *Hamit Yurtseven (Middle East Technical University, Turkey)*	1-O-16
15:50-16:05	UV resonance Raman spectroscopic identification of different titanium species in TS-1 *Qiang Guo (Dalian Institute of Chemical Physics, CAS, China)*	1-O-17
Dec. 1, Morning		
Chairpersons: Weiwei Cai, Changqing Sun		
8:30-8:50	Graphene-mediated Surface Enhanced Raman Spectroscopy *Jin Zhang (Peking University, China)*	1-I-15
8:50-9:10	Raman spectroscopic determination of the length, strength, compressibility, Debye temperature, elasticity, and force constant of the C-C bond in graphene *Changqing Sun (Nanyang Technological University, Singapore)*	1-I-16
9:10-9:25	Thermal Conductivity Measurement of Isotopically Modified Graphene by Optothermal Raman Technique *Weiwei Cai (Xiamen University, China)*	1-O-18
9:25-9:40	Electronic bands coupling enhanced Raman scattering in $FeCl_3$-intercalated few-layer graphene *Da Zhang (Nanyang Technological University, Singapore)*	1-O-19
9:40-9:55	Tuning the Chemical Enhancement through Controllably Constructed Dipoles on the Surface of Graphene Sheets *Xinxin Yu (University of Science and Technology of China, China)*	1-O-20
9:55-10:10	CNT Strain Micro-Sensor by Raman Spectroscopy *Wei Qiu (Tianjin University, China)*	1-O-21
10:10-10:25	Spectroscopic characterization of surface modified nanoparticles and nanofilms *Ali Osman Solak (Kyrgyz-Turk Manas University, Turkey)*	1-O-22
10:25-10:50	Coffee Break	
Chairpersons: Mustafa Kurt, Shu-Lin Zhang		
10:50-11:10	Conformational Stability Utilizing Variable Temperature Raman Spectra of Rare Gas Solutions *James R. Durig (University of Missouri-Kansas City, USA)*	1-I-17
11:10-11:30	No Quantum Confinement Effect on Phonons and Translation Symmetry Breaking in Nano-semiconductors *Shu-Lin Zhang (Peking University, China)*	1-I-18
11:30-11:45	Laser induced metallization and high pressure structure studies in light alkali-metal intercalated fullerides *Mingguang Yao (Jilin University, China)*	1-O-23
11:45-12:00	Half-Width of the Raman Stretching Modes as a Function of Pressure in Solid Nitrogen *Mustafa Kurt (Canakkale 18 Mart University, Turkey)*	1-O-24
12:00-12:15	A Variable-Temperature Polarized Raman Spectroscopy Study of Intermolecular Hydrogen bonds in the Polymorphs of Paracetamol *Boris Kolesov (Institute of Inorganic Chemistry SB RAS, Russia)*	1-O-25

Session 2: Fluorescence Spectroscopy

Multi-function Hall, Science and Art Center (1st Floor)

Tuesday, Nov. 29 Afternoon	Wednesday, Nov. 30 Morning	Wednesday, Nov. 30 Afternoon	Thursday, Dec. 1 Morning
14:00-14:30 Keynote Lecture (K. Bhattacharyya)	8:30-9:50 Invited Talks (A. Samanta, W. Y. Lin, J. S. Yang, X. J. Peng)	14:00-14:30 Keynote Lecture (H. Tian)	8:30-9:50 Invited Talks (W. Z. Shen, Q. H. Xu, H. T. Chang, A. J. Tong)
14:30-15:30 Invited Talks (N. Teramae, S. Wang, K. K. W. Lo)	9:50-10:35 Oral Presentations (R. H. Yang, S. Patsaeva, H. M. Ma)	14:30-15:30 Invited Talks (T. Hayashita, T. Chakraborty, I. Liau)	9:50-10:35 Oral Presentations (J. J Zhu, H. Z. Lin, Y. C. Yang)
15:30-16:00 Oral Presentations (A. D. Xia, S. Bangaru)	10:35-10:50 Coffee Break	15:30-16:00 Oral Presentations (G. B. Xu, S. Kunsagi-Mate)	10:35-10:50 Coffee Break
16:00-16:20 Coffee Break	10:50-11:50 Invited Talks (H. Y. Woo, D. Q. Zhang, W. H. Chan)	16:00-18:30 Poster Session	10:50-11:50 Invited Talks (E. K. L. Yeow, N .P. Ganpathi, Z. L. Zhang)
16:20-17:20 Invited Talks (G. Krishnamoorthy, H. W. Li, N. Ohta)	11:50-12:05 Oral Presentation (S. M. Shuang)		11:50-12:20 Oral Presentations (Z. K. He, G. Chen)
17:20-17:50 Oral Presentations (X. Y. Chen, M. Q. Zhu)			

Nov. 29, Afternoon		
Chairpersons: Norio Teramae, Kenneth Kam-Wing Lo		
14:00-14:30	FCS study of molecular diffusion in ionic liquids, vesicle and proteins *Kankan Bhattacharyya (Indian Association for the Cultivation of Science, India)*	2-K-01
14:30-14:50	Biosensing Based on Interactions Between Nucleic Acids and Small Ligands *Norio Teramae (Tohoku University, Japan)*	2-I-01

14:50-15:10	Conjugated Polymer-Based Fluorescence Resonance Energy Transfer (FRET) Technique for Biosensing and Cell Imaging *Shu Wang (Institute of Chemistry, CAS, China)*	2-I-02
15:10-15:30	Effects of Appended Molecular Substrates on the Photophysical and Biological Properties of Luminescent Iridium(III) and Rhenium(I) Polypyridine Complexes *Kenneth Kam-Wing Lo (City University of Hong Kong, China)*	2-I-03
15:30-15:45	Determination and Modulation of Fluorescence on/off at Single Molecule Level *Andong Xia (Institute of Chemistry, CAS, China)*	2-O-01
15:45-16:00	Luminescence and optical studies of X ray-irradiated KBr :Ce^{3+}, Tb^{3+} crystals *S. Bangaru (AA gov. Arts college, India)*	2-O-02
16:00-16:20	Coffee Break	
Chairpersons: Nobuhiro Ohta, Guruswamy Krishnamoorthy		
16:20-16:40	Structural Information on Protein Folding and Unfolding from Time-Domain Fluorescence *Guruswamy Krishnamoorthy (Tata Institute of Fundamental Research, India)*	2-I-04
16:40-17:00	Visualization of DNA Recombination Processes Using Single-Molecule Methods *Hung-Wen Li (National Taiwan University, Taiwan)*	2-I-05
17:00-17:20	Electroabsorption and Electrophotoluminescence Measurements in Solution and Solid Films *Nobuhiro Ohta (Hokkaido University, Japan)*	2-I-06
17:20-17:35	Lanthanide-Doped Luminescent Nano-Biolabels: Optical Spectroscopy and Bioapplications *Xueyuan Chen (Fujian Institute of Research on the Structure of Matter, CAS, China)*	2-O-03
17:35-17:50	Self-Assembly and Superradiance of Tetraphenylethene-Substituted Fluorophores *Ming-Qiang Zhu (Huazhong University of Science and Technology, China)*	2-O-04
Nov. 30, Morning		
Chairpersons: Xiaojun Peng, Anunay Samanta		
8:30-8:50	Understanding and Exploiting the Ionic Liquids through Fluorescence Spectroscopic Studies *Anunay Samanta (University of Hyderabad, India)*	2-I-07
8:50-9:10	Development of a Ratiometric Fluorescent Sensor for Ratiometric Imaging of Endogenously Produced Nitric Oxide in Macrophage Cells *Weiying Lin (Hunan University, China)*	2-I-08
9:10-9:30	Fluorescence Evidences on Exciton Localization and Delocalization in π-Conjugated Oligomeric Systems *Jye-Shane Yang (National Taiwan University, Taiwan)*	2-I-09

9:30-9:50	Fluorescence Ratiometry and Fluorescence Lifetime (FLIM) Imaging: Dual Mode Imaging Cellular Viscosity by a Single Molecular Rotor *Xiaojun Peng (Dalian University of Technology, China)*	2-I-10
9:50-10:05	Carbon Nanotubes as Effective Quenchers for Designing of Fluorescent Biosensing Platform *Ronghua Yang (Hunan University, China)*	2-O-05
10:05-10:20	Fluorescence Spectroscopy of Natural and Industrial Humic Substances *Svetlana Patsaeva (Moscow State University, Russia)*	2-O-06
10:20-10:35	Spectroscopic Probes and Labeling Analysis *Huimin Ma (Institute of Chemistry, CAS, China)*	2-O-07
10:35-10:50	Coffee Break	
Chairpersons: Winghong Chan, Han Young Woo		
10:50-11:10	Water-Soluble Conjugated Polyelectrolytes for Fluorescence Biosensors and Bioimaging *Han Young Woo (Pusan National University, Korea)*	2-I-11
11:10-11:30	Chemo-/biosensors based on the aggregation-deaggregation mechanism with silole and tetraphenylethene luminogens *Deqing Zhang (Institute of Chemistry, CAS, China)*	2-I-12
11:30-11:50	Spirobenopyran-based Fluorescent Chemosensors *Winghong Chan (Hong Kong Baptist University, China)*	2-I-13
11:50-12:05	Analysis and application of near-infrared fluorescence sensor based on N-acetyl-L-cysteine-protected gold nanoparticles *Shaomin Shuang (Shanxi University, China)*	2-O-08
Nov. 30, Afternoon		
Chairpersons: Ian Liau, Takashi Hayashita		
14:00-14:30	Luminescent and ICD spectral characters for functional supramolecular systems *He Tian (East China University of Science & Technology, China)*	2-K-02
14:30-14:50	Design and Function of Supramolecular Cyclodextrin Complex Sensors for Glucose Recognition in Water *Takashi Hayashita (Sophia University, Japan)*	2-I-14
14:50-15:10	Light-induced tautomerization of 7-azaindole: Some new aspects of catalytic and non-catalytic conversions *Tapas Chakraborty (Indian Association for the Cultivation of Science, India)*	2-I-15
15:10-15:30	Probing *in vivo* Hepatic Ischemia-Reperfusion in Rats with Intravital Autofluorescence Microscopy *Ian Liau (National Chiao Tung University, Taiwan)*	2-I-16
15:30-15:45	Some Approaches for Improving Sensitivity of Electrochemiluminescence Analysis *Guobao Xu (Changchun Institute of Applied Chemistry, CAS, China)*	2-O-09
15:45-16:00	Weak Molecular Interactions in Binary Solvents *Sandor Kunsagi-Mate (University of Pecs, Hungary)*	2-O-10

Dec. 1, Morning		
Chairpersons: Aijun Tong, Qing-Hua Xu		
8:30-8:50	Spectroscopy of Silicon Quantum Dots for Optoelectronic Application *Wenzhong Shen (Shanghai Jiao Tong University, China)*	2-I-17
8:50-9:10	Aggregation Induced Two-photon Emission of Metal Nanoparticles and Their Applications *Qing-Hua Xu (Natioanl University of Singapore, Singapore)*	2-I-18
9:10-9:30	Detection of small and large molecules using fluorescent metal nanoclusters *Huan-Tsung Chang (National Taiwan Uinversity, Taiwan)*	2-I-19
9:30-9:50	Novel Fluorescent Chromophores based on Aggregation Induced Emission Enhancement *Aijun Tong (Tsinghua University, China)*	2-I-20
9:50-10:05	Electrogenerated Chemiluminescence of Quantum Dots for Bioassay *Jun-Jie Zhu (Nanjing University, China)*	2-O-11
10:05-10:20	Excitation Energy Transfer in Individual Polymer Chains and Molecular Aggregates *Hongzhen Lin (Suzhou Institute of Nanotech & Nanobionics, China)*	2-O-12
10:20-10:35	Quantum-dot Based Biosensors for Selective Quantification of Endogenous Hypochlorous Acid Secreted by Leukocytes *Yi-Cyun Yang (National Chiao Tung University, Taiwan)*	2-O-13
10:35-10:50	Coffee Break	
Chairpersons: Naresh Patwari Ganpathi, Edwin Kok Lee Yeow		
10:50-11:10	Single-molecule spectroscopy reveals new and exciting insights into polymer science *Edwin Kok Lee Yeow (Nanyang Technological University, Singapore)*	2-I-21
11:10-11:30	Tuning Electronic Properties on the Inter- and the Intra-Molecular Potentials *Naresh Patwari Ganpathi (Indian Institute of Technology Bombay, India)*	2-I-22
11:30-11:50	Visualizing the Endocytic and Exocytic Processes of Wheat Germ Agglutinin by Quantum Dot-based Single-particle Tracking *Zhi-Ling Zhang (Wuhan University, China)*	2-I-23
11:50-12:05	Dual-Color Fluorescence Applied in Biochemical Assay *Zhi-Ke He (Wuhan University, China)*	2-O-14
12:05-12:20	Force and Fluorescence Spectroscopy Studies of RNA and RNA-Protein Complex *Gang Chen (Nanyang Technological University, Singapore)*	2-O-15

Session 3: Infrared and Other Spectroscopies

Conference Room No. 04, Science and Art Center (2nd Floor)

Tuesday, Nov. 29 Afternoon	Wednesday, Nov. 30 Morning	Wednesday, Nov. 30 Afternoon	Thursday, Dec. 1 Morning
14:00-14:30 Keynote Lecture (P. R. Griffiths)	8:30-9:50 Invited Talks (D. McNaughton, E. Arunan, K. Tominaga, T. H. Joo)	14:00-15:20 Invited Talks (S. Keshavamurthy, C. H. Yu, K. C. Lin, L. K. Chu)	8:30-9:00 Keynote Lecture (T. Tahara)
14:30-15:30 Invited Talks (S. Q. Sun, M. S. Chen, S. G. Sun)	9:50-10:35 Oral Presentations (B. B. Liu, R. Shimada, X. M. Zheng)	15:20-16:05 Oral Presentations (Z. H. Loh, J. H. Choi, K. R. Dastidar)	9:00-10:00 Invited Talks (S. Ye, Z. H. Wang, T. Ishibashi)
15:30-16:00 Oral Presentations (C. Marcott, X. X. Zhao)	10:35-10:50 Coffee Break	16:05-18:30 Poster Session	10:00-10:30 Oral Presentations (H. S. Tan, T. C. Sum)
16:00-16:20 Coffee Break	10:50-11:50 Invited Talks (Y. Endo, S. Mahapatra, Z. W. Yu)		10:30-10:50 Coffee Break
16:20-17:20 Invited Talks (M. Osawa, W. B. Cai, Y. X. Chen)	11:50-12:20 Oral Presentation (D. H. Kim, Z. F. Huang)		10:50-11:50 Invited Talks (S. Ruhman, D. L. Phillips, S. Wategaonkar)
17:20-18:05 Oral Presentations (J. T. Li, H. M. Su, H. Huang)			11:50-12:20 Oral Presentations (J. Liu, B. Zhao)

Nov. 29, Afternoon		
Chairpersons: Keisuke Tominaga, Bingbing Liu		
14:00-14:30	Novel Chemometric Approaches to Open-Path FT-IR Spectroscopy *Peter R. Griffiths (University of Idaho, USA)*	3-K-01
14:30-14:50	Infrared Spectroscopy for Complex Mixture: Applications in Food and Traditional Chinese Medicine *Suqin Sun (Tsinghua University, China)*	3-I-01

14:50-15:10	A surface spectroscopy study of model catalysts *Mingshu Chen (Xiamen University, China)*	3-I-02
15:10-15:30	In situ FTIR spectroscopy and its studies of reactions on Pt single crystal planes and nanostructured electrodes *Shigang Sun (Xiamen University, China)*	3-I-03
15:30-15:45	Gaining Insights into Polymer Crystallization via Nanoscale Mapping at 100 nm Spatial Resolution using AFM-Based Infrared Spectroscopy *Curtis Marcott (Light Light Solutions, LLC, USA)*	3-O-01
15:45-16:00	Study of broad bean and corn rust and rice blast by FTIR spectroscopy *Xingxiang Zhao (Yunnan Normal University, China)*	3-O-02
16:00-16:20	Coffee Break	
Chairpersons: Masatoshi Osawa, Hongmei Su		
16:20-16:40	(To be announced) *Masatoshi Osawa (Hokkaido University, Japan)*	3-I-04
16:40-17:00	Surface Enhanced Infrared Spectroscopic Study of Formic Acid Decomposition on Pd electrodes *Wenbin Cai (Fudan University, China)*	3-I-05
17:00-17:20	The Mechanism of HCOOH on Pt electrodes, an Electrochemical in-situ ATR-FTIRS study *Yanxia Chen (University of Science and Technology of China, China)*	3-I-06
17:20-17:35	In-Situ Characterizations of Aqueous/Non-aqueous Interfacial Process of Electrochemical Energy Systems by Infrared Spectroscopy *Juntao Li (Xiamen University, China)*	3-O-03
17:35-17:50	Nonadiabatic Reaction Pathways Explored by Step-Scan FTIR *Hongmei Su (Institute of Chemistry, CAS, China)*	3-O-04
17:50-18:05	Molecular Interactions and Crystallization Behavior of Poly(vinylidene fluoride) During Gelation in Cyclohexanone *He Huang (Soochow University, China)*	3-O-05
Nov. 30, Morning		
Chairpersons: Chin-Hui Yu, Zhi-Heng Loh		
8:30-8:50	High Resolution Spectroscopy of "Interstellar Species" – From the Microwave to the Infrared *Donald McNaughton (Monash University, Australia)*	3-I-07
8:50-9:10	Microwave spectroscopic studies on some hydrogen bonded alcohol complexes *Elangannan Arunan (Indian Institute of Science, India)*	3-I-08
9:10-9:30	Low-Frequency Dynamics in Condensed Phases Studied by Terahertz Radiation Spectroscopy *Keisuke Tominaga (Kobe University, Japan)*	3-I-09
9:30-9:50	Linear accelerator based femtosecond terahertz pulse generation and its application *Taiha Joo (POSTECH, Korea)*	3-I-10

9:50-10:05	Structural Study of Hydrogenated Fullerenes under High Pressure *Bingbing Liu (Jilin University, China)*	3-O-06
10:05-10:20	Selection Rule of the Hyper-Raman Molecular Near-field Effect and SoluteCSolvent Multipole Interaction *Rintaro Shimada (The University of Tokyo, Japan)*	3-O-07
10:20-10:35	Resonance Raman Spectroscopic Probe of Conical Intersection and structural dynamics of biological molecules in Franck-Condon Region *Xuming Zheng (Zhejiang Sci-Tech University, China)*	3-O-08
10:35-10:50	Coffee Break	
Chairpersons: Yasuki Endo, Zhiwu Yu		
10:50-11:10	High Resolution Spectroscopy of Short Lived Species and Complexes Containing such Species *Yasuki Endo (The University of Tokyo, Japan)*	3-I-11
11:10-11:30	Electronic nonadiabatic and spin-orbit coupling effects in molecular spectroscopy *Susanta Mahapatra (University of Hyderabad, India)*	3-I-12
11:30-11:50	Excess Absorption Spectroscopy, the Concept and Applications *Zhiwu Yu (Tsinghua University, China)*	3-I-13
11:50-12:05	The role of electronic couplings in photophysical properties of various molecular assemblies *Dongho Kim (Yonsei University, Korea)*	3-O-09
12:05-12:20	Photoluminescence and Light Trapping of Mesoporous Silicon Nanowire Arrays *Zhifeng Huang (Hong Kong Baptist University, China)*	3-O-10
Nov. 30, Afternoon		
Chairpersons: Li-Kang Chu, Srihari Keshavamurthy		
14:00-14:20	Intramolecular energy flow dynamics and eigenstates: Connecting the quantum state space and classical phase space perspectives *Srihari Keshavamurthy (Indian Institute of Technology Kanpur, India)*	3-I-14
14:20-14:40	Dynamic simulations of the stretching mode in an idealized NHN^+ bridge *Chin-Hui Yu (National Tsing Hua University, Taiwan)*	3-I-15
14:40-15:00	Some Applications of Cavity Ringdown Spectroscopy in Gas and Condensed Phases *King-Chuen Lin (National Taiwan University, Taiwan)*	3-I-16
15:00-15:20	The Photocycle of Bacteriorhodospin upon Chemical and Physical Treatments *Li-Kang Chu (National Tsing Hua University, Taiwan)*	3-I-17
15:20-15:35	Observing real-time electron motion with attosecond soft x-ray transient absorption spectroscopy *Zhi-Heng Loh (Nanyang Technological University, Singapore)*	3-O-11

15:35-15:50	Computational IR Spectroscopy of Azido-derivatized Compounds as IR Probes of Local Electrostatic Environment *Jun-Ho Choi (Korea University, Korea)*	3-O-12
15:50-16:05	Electromagnetically induced transparency with broadband laser pulses *Krishna Rai Dastidar (Raman Research Institute, India)*	3-O-13
Dec. 1, Morning		
Chairpersons: Taka-aki Ishibashi, Zhaohui Wang		
8:30-9:00	Molecular behavior at water interfaces revealed by heterodyne-detected sum-frequency generation *Tahei Tahara (RIKEN, Japan)*	3-K-02
9:00-9:20	Enzyme Reaction on the Phospholipid Bilayer Surface Evaluated by in situ SFG and AFM Observations *Shen Ye (Hokkaido University, Japan)*	3-I-18
9:20-9:40	Using Femtosecond SFG Spectroscopy to Follow Ultrafast Energy Transfer on Surfaces *Zhaohui Wang (Xiamen University, China)*	3-I-19
9:40-10:00	Vibrational SFG Studies of Chemisorbed Monolayers on Silica-Deposited CaF_2 Substrates in Aqueous Environments *Taka-aki Ishibashi (Hiroshima University, Japan)*	3-I-20
10:00-10:15	Ultrafast Two Dimensional Optical Spectroscopy. Implementation and Application *Howe-Siang Tan (Nanyang Technological University, Singapore)*	3-O-14
10:15-10:30	Probing Charge Transfer Dynamics in Cu-doped ZnO Nanowires *Tze Chien Sum (Nanyang Technological University, Singapore)*	3-O-15
10:30-10:50	Coffee Break	
Chairpersons: Sanford Ruhman, Sanjay Wategaonkar		
10:50-11:10	Asymmetric Toggling of a Natural Photoswitch: Ultrafast Spectroscopy of Anabaena Sensory Rhodopsin *Sanford Ruhman (The Hebrew University of Jerusalem, Israel)*	3-I-21
11:10-11:30	Time-Resolved Spectroscopic Studies of Meta-Methoxy Substituent Effects on the Photochemistry of Aromatic Carbonyl Compounds *David Lee Phillips (University of Hong Kong, China)*	3-I-22
11:30-11:50	C-H•••X Interaction; Unconventional Hydrogen Bond *Sanjay Wategaonkar (Tata Institute of Fundamental Research, India)*	3-I-23
11:50-12:05	Ultrafast time-resolved spectroscopy of PYP by a sub-8fs pulse at 400 nm *Jun Liu (Shanghai Institute of Optics and Fine Mechanics, CAS, China)*	3-O-16
12:05-12:20	Direct versus Cascade Processes in time-resolved Femtosecond Stimulated Raman Spectroscopy *Bin Zhao (Nanyang Technological University, Singapore)*	3-O-17

Poster Session 1 - Raman Spectroscopy

Nov. 30, 16:05-18:30, Exhibition Hall, Science and Art Center (1st Floor)

1-P-01	Formation and In-cell Location of Leukocyte Lipid Bodies Studied by Raman Microspectroscopy *Masahiro Ando, C. Onogi, K. Venkatesh, S. Tiwari, H. Hamaguchi*
1-P-02	Distinctive Facet dependent Raman scattering from single-crystals studied by shell-isolated nanoparticle-enhanced Raman spectroscopy *Song-Bo Li, Jian-Feng Li, Yi-Fan Huang, Song-Yuan Ding, De-Yin Wu, Bin Ren, Zhong-Qun Tian*
1-P-03	Raman Spectra of the Pigments in Ancient Wall Paintings *Jingjing Chang, Shuping Xu, Xuyang Xuan, Weiqing Xu, Wenyuan Zhang, Bomin Su*
1-P-04	Raman Analyses of Oxygen Defects in Hexagonal $HoMnO_3$ Thin Films *Xiang-Bai Chen, Nguyen Thi Minh Hien, D. Lee, S. Y. Jang, T. W. Noh, and In-Sang Yang*
1-P-05	Raman Scattering of 4-Aminobenzenethiol Sandwiched between Ag Nanoparticle and Smooth Au Substrate: Effects of Size of Ag Nanoparticles and Excitation Wavelength *Jeong-Yong Choi, Kuan Soo Shin, Kwan Kim*
1-P-06	The Robustness of Vibrational Raman Optical Activity in Solution *Song-Yuan Ding, Paul N. Nicu, Evert J. Baerends, Zhong-Qun Tian*
1-P-07	The Measurement of Methane Dissolved in Water Using Raman Spectroscopy Assisted with CCl_4 Extraction *Zengfeng Du, Wenjuan Zhang, Huaming Hou, Ronger Zheng*
1-P-08	Elucidation of electrostatic and chemical interaction between distinct adsorbates and Ag nanoparticles for enormous SERS enhancement *Masayuki Futamata, Yingying Yu, Toru Yajima*
1-P-09	Accuracy of Oil Film Thickness Measurement At Different Signal/Noise Ratio In Raman Spectra *Matvey Glushko, Viktor Varlamov*
1-P-10	Development of a High-Polarization-Sensitive CARS Spectrometer and its Application to the Measurement of ROA(Raman Optical Activity) of Chiral Molecules *Kotaro Hiramatsu, Hiro-o Hamaguchi*
1-P-11	The synthesis and characterization of the Al-doped B_4C compound *Caihong Zhang, F. L. Kwong, K. T. Lai, Dickon H. L. Ng*
1-P-12	Solution-phase Synthesis and SERS Application of Metal/Metal Homojunction/Heterojunction nanomaterials *Jianqiang Hu, Xiumei Feng, Yanping Zhang*
1-P-13	The effects of annealing on the microstructural properties of nanocrystalline diamond films: An uv Raman spectroscopy study *Xiaojun Hu, X. H. Chen, J. S. Ye, H. Hu, S. S. Gu*
1-P-14	In vivo Raman imaging study of dynamic molecular composition and distribution changes during yeast cell cycle: univariate and multivariate analyses *Chuan-Keng Huang, Hiro-o Hamaguchi, and Shinsuke Shigeto*
1-P-15	Spectroscopic Assessment of Damage of Glutathione Induced by Glow Discharge *Zhigang Ke, Qing Huang*

1-P-16	What is the Real State of Adenine on Silver Naonostructures *Rong Huang, De-Yin Wu, Zhong-Qun Tian*
1-P-17	A chemical transformation in the surface-enhanced Raman spectroscopic study of p-Aminothiophenol *Yi-Fan Huang, Hong-Ping Zhu, Liu-Bin Zhao, De-Yin Wu, Bin Ren, Zhong-Qun Tian*
1-P-18	A mechanistic study on surface-enhanced Raman scattering of water related to electron-enhanced Raman scattering from electrode/electrolyte interfaces *Yi-Fan Huang, Jian-Feng Li, Song-Bo Li, De-Yin Wu, Bin Ren, Zhong-Qun Tian*
1-P-19	Hyperspectral optical unit for SERS imaging of living cell *Mitsuhiro Iga, Tamitake Itoh, Nobuyuki Kakuryu, Takeo Tanaami, Jiro Sajiki, Mitsuru Ishikawa, Katsumi Isozaki*
1-P-20	Protein Dynamics and Reaction Mechanism of Cytochrome c Oxidase as Studied by Resonance Raman Spectroscopy *Izumi Ishigami, Takeshi Nishigaki, Satoru Nakashima, Kyoko Shinzawa-Itoh, Shinya Yoshikawa, Takashi Ogura*
1-P-21	Raman Spectroscopic Study of Micro-Conformational Transitions in L-alanine Single Crystals *Boris A. Kolesov and Elena V. Boldyreva*
1-P-22	Surface-Enhanced Raman Scattering of 4-Aminobenznethiol on Silver: Confirmation of The Origin of b_2-Type Bands *Hyang Bong Lee, Kuan Soo Shin, Kwan Kim*
1-P-23	Organic Isocyanide-Adsorbed Gold Nanostructure: A Sensory Device for Detection of Volatile Organic Compounds by Raman Scattering Spectroscopy *Ji Won Lee, Kuan Soo Shin, Kwan Kim*
1-P-24	Morphology Dependence of Raman Properties of Carbon Nanotube Layers Formed on Nanostructured Films *Heng Li, Jiacai Nie, Sandor Kunsagi-Mate*
1-P-25	Estimate the Apparent Diffusion Coefficient of Water in the Gel Phase *Kai-Kai Li, Guang Zeng, Yu-Cong Guo, Yun-Hong Zhang*
1-P-26	Study of Stepwise Evaporation and Deliquescence of $NaNO_3$ Droplet at Low Relative Humidity with Cavity Enhanced Raman Spectroscopy *See-Hua Tan, Feng Wang, Chen Cai, Chun-Bo Leng, Yun-Hong Zhang*
1-P-27	FDTD Simulation of SERS Activity of Ag@SiO_2 SHINERS *Li-Mei Li, V. Uzayisenga, Yi-Fan Huang, Xiang Wang, Zhi-Lin Yang, Bing-Wei Mao, Bin Ren, De-Yin Wu, Zhong-Qun Tian*
1-P-28	High Pressure Raman Study of Nanoporous Anatase TiO_2 *Quanjun Li, Bingbing Liu, Ran Liu, Benyuan Cheng*
1-P-29	Phase Transition, Nonequivalent Crystal Water and Thermal Expansion Properties in $A_2Mo_3O_{12}$ *Erjun Liang, Wenbo Song, Baohe Yuan, Yan Zhao, Yijian Jiang*
1-P-30	Seperation of Absorption and Scattering of Metallic Nanoparticles and Its Relation with SERS *Biju Liu, Xiang Wang, Bin Ren*
1-P-31	Effect of Volatile Organic Chemicals on Surface-Enhanced Raman Scattering of 4-Aminobenzenethiol on Ag: Comparison with The Potential Dependence *Kyung Lock Kim, Kuan Soo Shin, Kwan Kim*
1-P-32	High Pressure Raman Study of Single-wall Carbon Nanotubes *Shuangchen Lu, Mingguang Yao, Quanjun Li, Zhaodong Liu, Ran Liu, Bingbing Liu*

1-P-33	Structural Phase Transition of Ammonia-water binary system under High Pressure *Chunli Ma, Qiang Zhou, Fengxian Huang, Jingshu Wang, Qiliang Cui and Fangfei Li*
1-P-34	Multi-functional SFM-based TERS system and the preparation of tips with large field enhancement for it *Zhicong Zeng, Maohua Li, Tengxiang Huang, Xiang Wang, Bin Ren*
1-P-35	Cytochrome redox state analysis and respiration diagnosis of mitochondria by resonance Raman spectroscopy *Minoru Kakita and Hiro-o Hamaguchi*
1-P-36	Non-uniform Thermal Equilibration and Local Structure Formation in Ionic Liquids: A Study by Stokes/anti-Stokes Raman Spectroscopy *Hajime Okajima, Hiro-o Hamaguchi*
1-P-37	Quantitative Molecular Imaging of a Single Living Cell by Confocal Raman Microspectroscopy *Masanari Okuno and Hiro-o Hamaguchi*
1-P-38	Multivariate Spectra Resolution Applied to Raman Imaging of Single Living Cells *Chikao Onogi, Masahiro Ando, Hiro-o Hamaguchi*
1-P-39	Raman and IR Absorption Spectroscopy of Aqueous Ethanol Solutions *Sergey Burikov, Tatiana Dolenko, Svetlana Patsaeva, Yuriy Starokurov, Viktor I. Yuzhakov*
1-P-40	Gold Nanoparticle Langmuir-Blodgett Film for Surface-Enhanced Raman Scattering Constructed by Ionic Surfactant-Mediated Method *Prompong Pienpinijtham, Xiao Xia Han, Sanong Ekgasit, Yukihiro Ozaki*
1-P-41	Controllable Synthesis of Highly Branched Gold Nanoflowers and Their SERS Property *Qian Sun, Weiping Qian*
1-P-42	Investigation on H_2O_2-induced Cellular Changes by Confocal Raman Spectroscopy *Chunhui Rong, Qin Tao, Weiping Qian*
1-P-43	Novel Multi-modal Imaging of Living Cells with Multiplex CARS and Multiplex Third Order Sum Frequency Generation (TSFG) *Hiroki Segawa, M. Okuno, H. Kano, H. Hamaguchi*
1-P-44	Multilayered Metal-Dielectric Nanostructure Enhanced Raman *Wei Shen, Yong-Fei Yu, Kai-Qiang Lin, Bin Ren*
1-P-45	Surface-Enhanced Raman Scattering of 4-Aminobenzenethiol on Gold: The Concept of Threshold Energy in Charge Transfer Enhancement *Dongha Shin, Kuan Soo Shin, Kwan Kim*
1-P-46	The Exploitation of Mesostructures for Highly Sensitive Surface Enhanced Raman Spectroscopy *Cuifeng Tian, X. P. Song, B. J. Ding, Z. B. Sun, J. X. Fang*
1-P-47	Optimization of SERS Activities of SHINERS Nanoparticles *Xiang-Dong Tian, Yi-Fan Huang, Ping-Ping Fang, Jian-Feng Li, Bin-Ren, Zhong-Qun Tian*
1-P-48	Synthesis, Characterization and Application of Ag@SiO_2 Nanoparticles for Surface-Enhanced Raman Spectroscopy *V. Uzayisenga, X. D., Lin, Yifan Huang, L. Haixin, L. M. Li, Z. Q. Tian*

1-P-49	Ten second time-resolved Raman microspectroscopy and fast molecular dynamics in single living cells *Taiga Wada, Chikao Onogi, Hiro-o Hamaguchi*
1-P-50	Application of Micro-Raman Spectrometry to the Study of Atmospheric Heterogeneous Reactions *Mingjin Wang, Tong Zhu, Defeng Zhao, Xiaojuan Song, Ting Yu, Nan Zheng*
1-P-51	Revealing the states of self-assembled monolayer with tip-enhanced Raman spectroscopy *Xiang Wang, Teng-Xiang Huang, Zheng Liu, Bin Ren*
1-P-52	A novel 3D optics logical network with surface plasmon polaritons *Xiang Wang, Ye Zhu, Zhi-Lin Yang, Bin Ren*
1-P-53	Strain Tears The Phonon Band of Graphene *Xuexian Yang, J. W. Li, Y. Wang, Z. F. Zhou, Chang Q. Sun*
1-P-54	Graphene Veiled Metal Substrates towards More Reliable Surface Enhanced Raman Scattering *Weigao Xu, Jin Zhang*
1-P-55	Directional Emission of SERS on Silver Pit Array *Haibo Li, Shuping Xu, Yuejiao Gu, Weiqing Xu*
1-P-56	Raman spectroscopic study of the effect of inclusion complex of Coenzyme Q10-γ-CD on the growth of CoQ non-productive fission yeast *Tatsuro Nishida, K. Yoshikiyo, T. Kaino, M. Kawamukai, A. Ohshima, S. Shigeto, N. Ikuta, D. Nakata, K. Terao, H. Hamaguchi and T. Yamamoto*
1-P-57	A Raman Study on Laser Heating Effect on Styrene-Butadiene Rubber/Multiwalled Carbon Nanotube (SBR/MWCNTs) Nanocomposites *Xinlei Yan, Yasutaka Kitahama, Tamitake Itoh, Harumi Sato, Toshiaki Suzuki, Xiaoxia Han, Liliane Bokobza, Yukihiro Ozaki*
1-P-58	The interaction and heating effect studies on the interface of Single-walled Carbon Nanotube /Polystyrene (PS/SWCNTs) composites by Raman spectroscopy *Xinlei Yan, Harumi Sato, Yasutaka Kitahama, Toshiaki Suzuki, Takeshi Miyake, Tamitake Itoh, Xiaoxia Han, Yukihiro Ozaki*
1-P-59	Surface-Enhanced Raman Scattering-Active Silver Nanoparticles Prepared by Photochemical Methods *Kuang-Hsuan Yang, Chia-Ming Chang*
1-P-60	Electromagnetic enhancement mechanism in SHINERS *Zhi-Lin Yang, Ji-Feng Li, Bin Ren, Zhong-Qun Tian*
1-P-61	Facile Fabrication on Iron Oxide/Au/Ag Nanostructures for SERS and Magnetic Enrichment *Sanyang Han, Qinghua Guo, Minmin Xu, Jianlin Yao, Wei Liu and Ren'ao Gu*
1-P-62	Interface Synthesis of Gold Mesocrystals with Highly Roughened Surface for Surface-Enhanced Raman Spectroscopy *Hongjun You, Yetian Ji, Liang Wang, Shengchun Yang, Zhimao Yang, Jixiang Fang, Xiaoping Song, Bingjun Ding*
1-P-63	Experimental Investigations of Hydrocarbon Gases Based on Raman Spectroscopy *Wenjuan Zhang, Y. Li, Z. F. Du, Z. N. Wang, H. M. Hou, J. J. Guo*

1-P-64	Synthesis of SERS active Ag_2S nanocrystals using oleylamine as solvent, reducing agent and stabilizer *Xiaomiao Hou, Xiaoling Zhang, Wen Yang, Yan Fang*
1-P-65	Generation of Pronounced Resonance Line Profile of the Charge-Transfer Contributions to SERS *Wei Ji, Xiangxin Xue, Zhu Mao, Bing Zhao*
1-P-66	Fabrication Alternative Regions of Ordered Protein Patterns for Immunoglobulin Surface Enhanced Resonance Raman Scattering Sensing *Zhishi Li, Huijuan Mao, Zhinan Guo, Bing Zhao*
1-P-67	Reproducible Surface-enhanced Raman Measurement of Small Biological molecules in a Metastable State Way *Xiaoshan Zheng, Yan Cui, Wei Shen, Lijia Xu, Bin Ren*
1-P-68	The Study of Surface Interaction Between Graphene and Benzopyrene by Raman Spectroscopy *Jinhui Zhong, Zhicong Zeng, Biju Liu, Bin Ren*
1-P-69	Combining SERS and Dark-Field Microscopy for Studying the Interaction between Gold Nanoparticles and Single Living Cells *Cheng Zong, Lijia Xu, Jiayi Huang, Xiaoshan Zheng, Bin Ren*

Poster Session 2 - Fluorescence Spectroscopy

Nov. 30, 16:00-18:30, Exhibition Hall, Science and Art Center (1st Floor)

2-P-01	Microwave-assisted Synthesis of Highly Fluorescent Glutathione-stabilized Ag Nanoclusters *Tingyao Zhou, Xiwei Liu, Chunyan He, Xi Chen*
2-P-02	Fabrication of 3D silver nanostructure for surface enhanced fluorescence *Jun Dong, Hairong Zheng, Zhenglong Zhang, Xiaoqing Yan, Yu Sun*
2-P-03	Discrimination of Phytoplankton Community Composition Using Multiple Fluorescence Excitation-Emission Spectra based on Wavelet Analysis *Yali Duan, Rongguo Su, Xiaoyong Shi*
2-P-04	Water-soluble Porphyrin as a Temperature Sensor Base on Fluorescent Enhancement *Qiang Fei, Chunyu W., Baojun W., Yanfu Huan, Guodong Feng*
2-P-05	A Simple, Rapid And Sensitive Synchronous Fluorescence Method To Determine Rhodamine B In Spices *Dong-Sai Fu, Ping-Ping Wu, Xiu-Ying Li, Yao-Qun Li*
2-P-06	Ultrasensitive Detection of Phenolic Compounds Based-on a Spin-labled Luminescent Lanthanide Complex *Xiang Ji, Jinqing Hong, Xiangqun Guo*
2-P-07	Selective Fluoride Ion Recognition by a Simple Chiral Amidothiourea Based Receptor *Jin-He Wang, Jia-Wang Zhou, Bo-Wen Zhao, Yun-Bao Jiang*
2-P-08	Fluorescence enhancement by a waveguide mode formed in a nanoporous alumina film *Kazuhiro Hotta, Yong Fan, Akira Yamaguchi, Norio Teramae*
2-P-09	Preparation of Fluorescence-Encoded Silica Nanoparticles for Multitargets Simultaneous Determination *Juanjuan Wang, Shigang Wei, Qiang Fei, Guodong Feng, Yanfu Huan*
2-P-10	A Ratiometric Fluorescent Sensor for Glucose *Yan-Jun Huang, Xin Wu, Wen-Juan Ouyang and Yun-Bao Jiang*
2-P-11	Rotational Relaxation of Pyrene Derivative in Reverse Micelles Revealed by Fluorescence Anisotropy Decay Measurements *Yuki Imashiro, Y. Iima, S. Akimoto, K. Tominaga*
2-P-12	In Situ Qualitative Measurement of CDOM Using a Laser Induced Nanosecond Time-resolved Fluorescence System *Haifeng Sun, Y. X. Zhu, J. N. Chen, Y. Zhang*
2-P-13	Effects of Nano-Ag on the Adsorption of An onto Kandelia Candel (Kc) Leaves *Yanan Yang, J. L. Chen, H. F. Sun, Y. Zhang*
2-P-14	Study on inclusion behaviours between Pyrene and Cyclodextrins using Circular Dichroism *Zhenxuan Zhang, Y. B. Hu, Y. X. Zhu, Y. Zhang*
2-P-15	Intramolecular Charge Transfer with 2,2-Bis(dimethylamino)-5,5-bis(methoxycarbonyl)-1,1-biphenyl *Zhao Li, Fu Cai, Na Chen, Yun-Bao Jiang*
2-P-16	Preparation of Chiral CdS Quantum Dots Covered Immediately by achiral Thiols *Ke-Yi Wei, Yun-Bao Jiang*

2-P-17	Light-up response to pyrimidine nucleobases opposite an abasic site in DNA duplexes by naphthyridine-cyanine conjugates *Megumi Kudo, Yusuke Sato, Seiichi Nishizawa, Norio Teramae*
2-P-18	Effect of Unexpected Solvation Shell Composition on the Interaction of of Thiacalix[4]arene Towards Phenolic derivatives *Sandor Kunsagi-Mate, Koichi Iwata*
2-P-19	Competitive Interaction between Flavonoid Aglycons and Ochratoxin A During their Binding to Human Serum Albumin *Miklos Poor, Tamas Koszegi, Sandor Kunsagi-Mate*
2-P-20	Interaction of 25,26,27,28-tetrahydroxy-5,11,17,23-tetra-[4-(N-hydroxyl-3-phenylprop-2-enimidamido)phenylazo]calixarene Host with Ionic Guests *Maria Beata Vizeli, Yin Li, Ashok Kumar, Pratibha Sharma, Sandor Kunsagi-Mate*
2-P-21	Liquid Structure of the Primary Alcohols C QCE-modell study and Rayleigh-scattering experiments *Gergely Matisz, Adam Eordog, Anne-Marie Kelterer, Walter M.F. Fabian, Sandor Kunsagi-Mate*
2-P-22	Host-Guest Interaction of Functionalized Cavitand Derivatives with 4-Chloro-Benzotrifluoride *Sandor Kunsagi-Mate, Zsolt Csok, Tamas Kegl, Agnes Varga, Laszlo Kollar*
2-P-23	Complex Formation Ability of Functionalized Cavitand Derivatives towards Alkali Metal Ions *Sandor Kunsagi-Mate, Zsolt Csok, Tamas Kegl, Koichi Iwata, Laszlo Kollar*
2-P-24	Spectrophotometric Study of Thermodynamics of Complexation of Pyridino-18-Crown Ether-6 with Alkali Cations *Yin Li, Peter Huszthy, Sandor Kunsagi-Mate*
2-P-25	The Characterization of an Anthracene-based Moleculer Tweezers and their Interaction with Carbon Nanotubes *Beata Peles-Lemli, Daniel Kannar, Laszlo Kollar, Sandor Kunsagi-Mate*
2-P-26	Modified Dispersion of Functionalized Multi-walled Carbon Nanotubes in Acetonitrile *Heng Li, Jiacai Nie, Sandor Kunsgi-Mate*
2-P-27	A General Approach for Monitoring Peptide-Protein Interactions Based on Graphene-Peptide Complex *Juan Li, Chun-Hua Lu, Xiao-Long Zhang, Guo-Nan Chen, and Huang-Hao Yang*
2-P-28	Studies on the interaction of an isoquinoline alkaloid with calf thymus DNA in aqueous medium and on solid substrate *Junfen Li, Wentao Shi, Chuan Dong, Martin M. F. Choi*
2-P-29	Ratiometric Fluorescence Imaging for Distinguishing Chloride Concentration between Normal and Ischemic Ventricular Myocyte *Ping Li, Ting Xie, Nannan Fan, Wen Zhang, Bo Tang*
2-P-30	Highly selective off-on fluorescent sensing of organotin by bimetallic ruthenium complexes *Yu-Fen Niu, Fei-Fei, Shun-Hua Li*
2-P-31	Ratiometric fluorescence sensing of fluoride by a light-modulated allosteric anion receptor *Qiong Qi, Lei Zhang, Shun-Hua Li*

2-P-32	A highly selective ratiometric fluorescent chemosensor for Hg^{2+} based on formation of the Hg(II) coordination polymers *Jia-Ni Wang, Qiong Qi, Lei Zhang, Shun-Hua Li*
2-P-33	Preparation and evaluation of fluorescent artificial receptor for selective recognition of protein *Wei Zhang, Xi-Wen He, Yang Chen, Wen-You Li, Yu-Kui Zhang*
2-P-34	pH-responsive emission characters of Ag@polypyrrole nanoparticles *Sunjie Ye, Shujun Chen, Yun Lu*
2-P-35	Comparative study of one photon and two photon induced fluorescence: Effect of concentration *Sandeep Kumar Maurya*
2-P-36	Determination of Honey Adulteration Using Synchronous Scanning Fluorescence Spectroscopy *Sunita Mishra, Sheetal Balana, A K Paul, Pawan Kapur*
2-P-37	Quantum dot-Eu^{3+} Conjugate as a Luminescence Turn-on Sensor for Ultrasensitive Detection of Nucleoside Triphosphates *Jinqing Hong, Dejun Pei, and Xiangqun Guo*
2-P-38	Live-Cell DNA Imaging and Quantification Using an Effective Red Fluorescent Probe *Tong Wu, Jiangli Fan, Jingyun Wang, Xiaojun Peng*
2-P-39	Strong Binding of Amiloride to an Abasic Site in LNA/DNA Duplex: Effect of the LNA Modification *Tetsushi Sato, Yusuke Sato, Seiichi Nisizawa, Norio Teramae*
2-P-40	Ratiometric fluorescence signaling of naphthyridine-DBD conjugate for the analysis of thymine-related single-base mutation *Yusuke Sato, Chunxia Wang, Seiichi Nishizawa, Norio Teramae*
2-P-41	Why GFP Chromophore Analogs Weakly Fluorescent? A Spectroscopic and Theoretical Study *Pratik Sen*
2-P-42	Aptasensors For Thrombin Detection Based On FRET Between QDs SAMs And GO *Congcong Li, Chuanxiao Yang, Qiong Wu, Chi Ren, Fang Li, Xiangying Sun*
2-P-43	An Aptamer-Gold Nanoparticle Conjugated Fluorescent Probe For High Sensitive Detection of rHuEPO-α *Jiefang Sun, Aitao Guo, Zhaoyang Zhang, Lei Guo and Jianwei Xie*
2-P-44	Hydrothermal Synthesis, Structure and Fluorescent Property of One 3-D Cadmium(II)-p-Xylenediphosphonate *Yan-Qiong Sun, Jin Hu, Hna-Hui Zhang, Yi-Ping Chen*
2-P-45	Electromagnetically Induced Transparency of Cs Atom *Chin-Chun Tsai, Zong-Syun He, Yung-Yung Chang, Ming-Tsung Lee, Sheng-Long Lin*
2-P-46	Interface quantum trap depression and charge polarization in the CuPd and AgPd bimetallic alloy catalysts *Yan Wang, Yan Guang Nie, B. R. Mehta, M. Khanuja, Changqing Sun*
2-P-47	Colorimetric Sensing Pb^{2+} Based on Silver Nanoparticles *Li Qi, Fangying Wu*
2-P-48	ZnSMn quantum dot-based turn-on fluorescent probe for detection of zinc ion in aqueous media *Yan Shnag, Fangying Wu*

2-P-49	Design of a New Molecule as a Selective Chemosensor for Recognition of Cu^{2+} *Hua Zhang, Fangying Wu*
2-P-50	Fluorescent Sensing via Smart Polymer-Inorganic Hybrid Nanogels *Runqi Qiu, Shoumin Chen, Ting Ye, Jiao Fan, Weitai Wu*
2-P-51	Fluorescence quenching effect of the DNA- gold nanoparticles--isochlorotetracycline system *Xiaoyu Liu, Ping Liu, Xia Wu*
2-P-52	Selective Fluorescent Sensing of Monosaccharides by Boronic Acid/gamma-Cyclodextrin Inclusion Complex *Xin Wu, Yan-Jun Huang, Li-Rong Lin, Yun-Bao Jiang*
2-P-53	Dummy Molecularly Imprinted Film Capped on Quantum Dots as Fluorescent Sensor for Rapid Detection of Tetrabromobisphenol A *Yi-ping Chen, Xiang-feng Wang, Yu-min Yin, Yuan Liu, Hai-Ling Liu, Meng-Xia Xie*
2-P-54	Improvements on fluorescence properties of organic dyes *Shuping Xu, Xumei Wang, Weiqing Xu*
2-P-55	Tracing chromophoric dissolved organic matter (CDOM) in coastal water Using excitation-emission matrix (EEM) fluorescence and parallel factor analysis (PARAFAC) *Lihong Yan, Rongguo Su*
2-P-56	Solvent-Dependent Intramolecular Charge Transfer Fluorescence of *p*-Dimethylaminobenzanilide Bearing Steric *o,o*-Dimethyl Substituents at Amido Aniline *Xuan Zhang, Yun-Bao Jiang*
2-P-57	A Novel Label-free Fluorescent Detection of K^+ Based on DNAzyme *Xiaoyu Fan, Haitao Li, Jie Zhao, Fanbo Lin, Lingli Zhang, Youyu Zhang, Shouzhuo Yao*
2-P-58	Nicking Enzyme Assisted Fluorescence Aptasensor for Amplification Detection of Proteins *Ai-Xian Zheng, Jin-Ru Wang, Juan-Li, Guo-Nan Chen, and Huang-Hao Yang*
2-P-59	The Influence of Substrate Dimension onto the Surface Enhanced Fluorescence *Hairong Zheng, Jun Dong, Zhenglong Zhang, Yu Sun, Xiaoqing Yan*
2-P-60	Photoswitchable Polymer Nanoparticles for Two-Photon Excitation Fluorescent Bioimaging *Ming-Qiang Zhu, Matthew P. Aldred, Guo-Feng Zhang, Chong Li*

Poster Session 3 - Infrared and Other Spectroscopies

Nov. 30, 16:05-18:30, Exhibition Hall, Science and Art Center (1st Floor)

3-P-01	Low-frequency Dynamics of Acetate Ion in Aqueous Solution Studied by Ultrafast Vibrational Spectroscopy *Motohiro Banno, Kaoru Ohta, Keisuke Tominaga*
3-P-02	A study of CO oxidation on Ru-based catalysts by in-situ IRAS *Xuefei Weng, Xin Wang, Zhenyan Tang, Mingshu Chen, Huilin Wan*
3-P-03	Two-dimensional Infrared Correlation Spectroscopy on a novel Polyoxometalate with hybrid framework *Xiangyi Chen, Hengbin Hu, Yipin Chen, Hanhui Zhang, Yanqiong Sun*
3-P-04	The Potential-Dependent Co-Adsorption of Cyanide and Carbon Monoxide onto Pt Electrodes: An Infrared Spectroscopic Study *Shaoxiong Liu, Qian Tao, Yanxia Chen*
3-P-05	Artificial neural networks combined with modified genetic algorithm applied to near-infrared quantitative analysis of trimethoprim power *Shigang Wei, Yanfu Huan, Guodong Feng, Qiang Fei*
3-P-06	Structural Studies of Polyelectrolyte Multilayers (PEMs) by Sum Frequency Generation (SFG) Spectroscopy *Aimin Ge, Koji Kadowaki, Michiya Matsusaki, Masatoshi Osawa, Mitsuru Akashi, Shen Ye*
3-P-07	Preliminary Investigation of LIBS under Laboratory Simulated Deep Ocean Condition *Huaming Hou, Y. Li, K. Cheng, J. S. Xiu, Y. Tian, R. E. Zheng*
3-P-08	An *in-situ* spectroelectrochemical study of methanol electrooxidation on Pt-V_8C_7/GC catalyst in acidic solution *Haiping Huang, Guoqiang He, Peikang Shen*
3-P-09	In-situ FTIR spectroscopic studies of ethanol oxidation on carbon supported high-index faceted Pt nanocatalyst *Rui Huang, S. P. Chen, Z. L. Liu, L. Huang, S. G. Sun*
3-P-10	Sucrose as chiral selector for determining enantiomeric composition of phenylalanine by UV-vis spectroscopy and chemometrics *Qianqian Li, Jia Duan, Lijun Wu, Dong Wang, Guo Tang, Shungeng Min*
3-P-11	In situ FTIR Studies of Ethylene Glycol Electrooxidation on Pd in Alkaline Media: The Influence of Ethylene Glycol Concentration *Jianlong Lin, Ren Jie, Zhiyou Zhou, Shigang Sun*
3-P-12	In situ microscope FTIR spectroscopic studies of interfacial reactions of amorphous Fe-P alloy anode of lithium ion battery *Xiaomei Zheng, Juntao Li, Hang Su, Xueqing Zeng, Ling. Huang, Shigang Sun*
3-P-13	Coordination Chemistry of V^+ Probed with IR Spectroscopy and Quantum Chemical Calculations *Kazuhiko Ohashi, N. Koga, K. Furukawa, K. Judai, N. Nishi, H. Sekiya*
3-P-14	IR reflectance of InSb and PbSe layers at a free carrier plasmon resonance *Mikhail Fyodorovich Panov*
3-P-15	A Novel Cavity Ring-down Spectroscopy System for Measurement of Methane Concentration *Bin Wang, Zhennan Wang, Xiaoning Luan, Fujunqi Qi*
3-P-16	Differentiate Cells in Different States Using Multivariate Date Analysis of Surface-enhance Raman Spectroscopy *Qin Tao, Chunhui Rong, Haiqing Feng, Weiping Qian*

3-P-17	FTIR Studies on Two Components in Tung Oil Polyol Prepared by Aminolysis *Yujun Shang, Lei Jiang, Zhiyong Ren, Xiaozhan Guo, Yang Fu*
3-P-18	Creation and Characterization of Ultrafast Polarization Shaped Pulses in the mid-IR and UV *Marco T. Seidel, Zhengyang Zhang, Suxia Yan, Kym L. Wells, Howe-Siang Tan*
3-P-19	Acid-Base Equilibrium of Methyl Orange in Presence of Mixed Micellar System of Anionic-Non Ionic and Cationic-Non Ionic Surfactant and its Effect on Acid Dissociation constant and Free Energy of the System *Mritunjay Sharma, Savita Ladage, R. V. Jayaram*
3-P-20	Zone-resolved photoelectronic scoping of the local bonding and electronic dynamics at the graphite skin with and without atomic vacancy *Yanguang Nie, Jisheng Pan, Xi Zhang, S. Z. Ma, Weitao Zheng, Changqing Sun*
3-P-21	Terahertz Conductivity of Annealed Polyaniline Emeraldine Salt *Alvin G. Tapia and Keisuke Tominaga*
3-P-22	Charge Dynamics of ZnSe using Optical-Pump Terahertz-Probe Spectroscopy *Alvin G. Tapia, Naoki Yamamoto, Carlito Ponseca, Jr. and Keisuke Tominaga*
3-P-23	Multivariate Analysis of Cuttings Identification in Lithology and Color Using Laser-induced Breakdown Spectroscopy *Ye Tian, Zhennan Wang, Huaming Hou, Ying Li, Ronger Zheng*
3-P-24	Potential dependent phase transition of bipyridine on Cu(111) surface: a combined STM and SEIRS study *Dong Wang, Yu-Xiao Diao, Masatoshi Osawa, Li-Jun Wan*
3-P-25	How to Remove IR Background bands completely and conveniently: The Signal-averaged Intensity of the Background Spectrum Depends on the Number of Scans by Scanning Two Background Samples in Different Thicknesses *Hai-Shui Wang, Yu-Jing Chen*
3-P-26	Carrier Dynamics of Pure-phase and Mixed-phase TiO_2 Photocatalysts Under Weak Excitation Condition *Xiuli Wang, Zhaochi Feng, Can Li*
3-P-27	Excitonic Properties and Electron-Hole Plasma Lasing in ZnTe Nanowires *Guichuan Xing, Cheng Hon Alfred Huan, Tze Chien Sum*
3-P-28	Adsorption and Removal of Tetracyclines Antibiotics from Aqueous Solution by Graphene Oxide *Yuan Gao, Yan Li, Xingguang Su*
3-P-29	Quantitative Determination of Heavy Metal Elements in Aqueous Solutions by Laser Induced Breakdown Spectroscopy using Paper Substrates *Junshan Xiu, Shilei Zhong, Huaming Hou, Ying Li, Ronger Zheng*
3-P-30	Preliminary studies on the coordination state of copper ions under super-concentrated HCl environments *Lin Guo, Xiaopei Li, Kun Huang, Shifu Weng, Zhanlan Yang, Yizhuang Xu, Jinguang Wu, Tingguo Kang*
3-P-31	FT-IR spectroscopic on the super concentrated HCl, HNO_3 and aqua regia *Anqi He, Kun Huang, Xiaopei Li, Shifu Weng, Yizhuang Xu, Jinguang Wu*
3-P-32	The Study on the Color of Mixed Metal Oxide Pigments with The Nature Research of UV-vis Spectroscopy *Hanjie Jiang, Shijuan Yue, Cuige Liu, Yongju Wei, Yizhuang Xu, Jinguang Wu*

3-P-33	Studies on Mixed Metal Oxide Pigments *Shijuan Yue, Hanjie Jiang, Cuige Liu, Yongju Wei, Yizhuang Xu, Jinguang Wu*
3-P-34	A New Solvent for Contact Dissolution of Gallstones *Wei Liu, Xiaopei Li, Dong Liu, Tingguo Kang, Xuejun Sun, Yizhuang Xu, Jinguang Wu*
3-P-35	Analysis-through-separation of Danshen by Infrared Spectroscopy *Changhua Xu, Y. Wang, Chenjian Bo, Q. Zhou, S. Q. Sun*
3-P-36	A ^{1}H NMR and UV-Vis. absorption spectroscopic study on the complexation of three different mono- (deoxy-guanidino)--cyclodextrins with the p-nitrophenolate ion *Keita Takezawa, Y. Yoshikiyo, Y. Matsui, T. Yamamoto*
3-P-37	Spectrum Study on the Phase Behavior of pH- and Temperature- Dual Responsive PAA-PEO-PPO-PEO-PAA Copolymers *Liangrong Yang, Huizhou Liu*
3-P-38	Studies on weak interactions between cyclodextrins with organic solvents, ethylene glycol and its related compounds by means of ^{1}H NMR spectroscopy *Keisuke Yoshikiyo, Yoshihisa Matsui, Tatsuyuki Yamamoto*
3-P-39	Comparison of THz spectra of crystalline and non-crystalline molecular solids *Feng Zhang, Ohki Kambara, Keisuke Tominaga*
3-P-40	Discrimination of Palmae Plants Using Fourier Transform Infrared Spectroscopy *Li Zhang, Gang Liu*
3-P-41	FTIR Spectroscopic Study of Broad Bean Leaves Infected by Pathogens and Damaged by Insects *Zhiyong Li, Gang Liu*
3-P-42	Study of Leaf Senescence by Fourier Transform Infrared Spectroscopy *Lun Li, Gang Liu, Zhiyong Li, Quanhong Ou, Li Zhang, Xingxiang Zhao*
3-P-43	*In-situ* FTIR Studies of CO and CN^- adsorption on Pt(100) surface *Li Tian, Jun-Tao Li, Chun-Hua Zhen, Shi-Gang Sun*
3-P-44	The Hydrogen Bonding Interactions between 1-butyl-3-methylimidazolium Tetrafluoroborate and Acetonitrile *Yanzhen Zheng, Nannan Wang, Zhiwu Yu*
3-P-45	Quantitative analysis of heavy metal element lead dissolving in aqueous samples by UN-LIBS *Shilei Zhong, Y. Lu, J. S. Xiu, R. E. Zheng*

REGISTRATION FEE

Participant Type	on or before September 30, 2011	after September 30, 2011
Regular[1]	1900 yuan[#]	2300 yuan
Student[1]*	1100 yuan	1500 yuan
Accompanying Person[2]	1000 yuan	1000 yuan

[1] Include final program, proceedings, a welcome reception, banquet, lunches and dinners, and daily coffee breaks.

[2] Include 3-day accompanying persons' program, welcome reception, banquet, lunches and dinners.

* The registration of student must be accompanied by a proof of full-time student status. Only full-time student who has not yet received the Ph. D degree is eligible.

[#] 1000 yuan (Chinese RMB) equals to 157.4 USD as of September 30, 2011 (please check the live exchange rate of 100 foreign currency to yuan by visiting Bank of China Exchange Rate http://www.boc.cn/sourcedb/whpj/enindex.html).

Payment:

Payment in Chinese Yuan or equivalent US Dollar or Japanese Yen at the exchange rate on the date of payment should be completed by bank transfer to the following account:

Beneficiary's Name: Bin Ren
Beneficiary's Account No: 4548237-0188-020880-6
Beneficiary's Bank: Bank of China, Xiamen Branch
Remittance Route (Swift): BKCHCNBJ73A

Please note that all the bank charge for the bank transfer is to be bared by the participants themselves. To assure credit for proper money transfer, please send us a photocopy of the receipt of bank transfer with your name and institution.

We apologize that we cannot accept payments by personal checks or credit card at the present stage. For on-site registration, only cash in Chinese Yuan or equivalent US dollar or Euro at the exchange rate on the date of payment will be accepted.

Important: We recommend you to make bank transfer via Bank of China or in Japanese Yen (for participants from Japan) to reduce the transfer charges.

Cancellation and Refund:

The payments of registration will be refunded only if written notification is received before October 31, 2011 and the cancellation charge will be 20%. No refunds are possible after October 31, 2011. However, another delegate can be nominated as a replacement.

ACCOMMODATION

Important: The booking can only be made via the symposium secretariat to ensure the discounted price and after receiving the payment of the registration fee. Payment of accommodation should be made at the hotel reception desk in cash of Chinese Yuan or by international credit card.

Please login your account at on-line registration system to reserve hotel room.

Notes:

- Governmental tax and breakfast are included in the room rate. All rooms are equipped with internet access, direct dial telephone, bathroom, air-condition and TV.

- You may occupy a double room if you don't want to share with others.
- The room will be arranged on the first-come-first-serve policy.
- 1000 yuan (Chinese RMB) equals to 158.2 USD as of November 9, 2011 (please check the live exchange rate of 100 foreign currency to yuan by visiting Bank of China Exchange Rate http://www.boc.cn/sourcedb/whpj/enindex.html).

Hotel	Room Type	Rates
Wyndham Xiamen (★★★★★)	Deluxe Sea View Room	850 yuan
*Yifu Hotel and Jianwen Hotel (★★★★☆)	Deluxe Suite Room	870 yuan
	Deluxe Double Room or Single Room	470 yuan
	Double Room	370 yuan
*Keli Hotel (★★★)	Double Room or Single Room	270 yuan

* Yifu Hotel, Jianwen Hotel and Keli Hotel are subordinate hotels of International Academic Exchange Center in Xiamen University


Wyndham Xiamen Hotel


Yifu Hotel in XMU


Jianwen Hotel in XMU


Keli Hotel in XMU

CITY TOURS

City tours will be arranged in the afternoon of November 28, 2011.

Option 1: Gulangyu Island, the "Garden on the Sea" (Price: 140 yuan)


Bird's Eye View of Gulangyu

This tiny island is accessible by an eight-minute ferryboat from the downtown area. There are many well-known scenic attractions on Gulangyu surrounded by beautiful beaches. The island was the site of the foreign consular residences after Xiamen became one of the five trade ports in the 19th century. Its luxurious green-trees provide shade for the buildings of many different styles, so called as the "International Exhibition Hall of Architecture". The cultural atmosphere of the island is very attractive. Since the residence of the island have a special love for the piano, Gulangyu is also renowned as "Piano Islet". Motor vehicles (even bicycles) are forbidden on the island; hence you will enjoy the atmosphere of peace and sounds of silence there!

Option 2: Nanputuo Temple and Botanical Garden (Price: 90 yuan)


The Nanputuo Temple

The Nanputuo Temple is a very famous Buddhist temple founded in the Tang era in the Chinese city of Xiamen. Nanputuo literally means South Putuo. Putuo refers to the mountain in Zhejiang Province, China.
The Nanputuo Temple is located on the southeast of Xiamen Island. It is surrounded by the graceful sea and the Wulao Peak behind the temple. The Wulao peak is a small mountain range that rises on the island. It enjoys a very high reputation for its picturesque view of Xiamen and the surrounding district of Haicang, Gulangyu and Zhangzhou Prefecture Level City. Nanputuo Temple has many deep caves and verdant woods. The Nanputuo Temple is adjacent to Xiamen University and Lujiang River.


Xiamen Botanical Garden

Xiamen Botanical Garden is set amidst Wanshi Mountain in the southeastern part of Xiamen Island, also known as Wanshi Botanical Garden. It's an integral part of the Gulangyu Islet – Wanshi Mountain National Key Scenic Spot, covering an area of 4.93 square kilometers. The garden is set on rolling hills and dotted with grotesque rocks, forming a dramatic rocky landscape. The granite boulders throughout the garden are graced with calligraphic inscriptions of ancient men of letters. Major tourist attractions in the garden include "Laughing Rocks of Eternal Peace", "Dawn Bell Ringing from Heaven's Border", "A Thousand Scepters Facing Skywards", "Jade Scepter on Central Boulder", "Road on Purpled Cloud", and "Melodious Instrument Cave", all of which are on the list of Xiamen's top sights. There are also various provincial- and municipal-level cultural heritage sites in the garden. The garden is also home to several of Southern Fujian's most renowned temples, including the Heaven's Border Temple, the Wanshi Lotus Temple, and the Eternal Peace Rock Temple.

ACCOMPANYING PERSONS' PROGRAMS

Xiamen is a beautiful subtropical bay city with a wealth of golden beaches, parks, ancient temples, museums, and concert halls in the city and its vicinity. Xiamen University, situated at the foot of the green mountains and facing the blue sea, is known as one of the most beautiful campuses in China. The programs are designed so that you can enjoy not only the scenery but also the culture of the city and university. Please visit our website for detailed schedule.

November 29, 2011

Morning: Sightsee in Xiamen Botanical Garden, and experience Chinese traditional Taiji practicing in the Garden.




Afternoon: Visit Jimei District, the hometown of the founder of Xiamen University, Mr. Chen Jia-Geng (also known as Tan Kah Kee).




November 30, 2011

Morning: Experience traditional Kungfu fan in Xiamen University, tour in campus of Xiamen University, visit Anthropology Museum in campus, bird's view of the charming campus on the 21st floor of Jiageng Main Building, the Administration Building of Xiamen University.




Afternoon: Visit the famous Nanputuo Temple, sightsee around Xiamen city on a double-decker tour bus, stroll and do shopping on Zhongshan Road, the commercial center of Xiamen city, and feel the leisure life.




December 1, 2011

Full day: Visit Quanzhou City. Please refer to the post-conference tours option 2.

POST-CONFERENCE TOURS

Option 1: The Hakka Tulou (Hakka Earth Buildings) (one day, 280 yuan)


The Hakka Tulou

The Tulou is a unique Chinese rammed earth building of the Hakka and other people in the mountainous areas in southwestern Fujian, China. They are mostly built between the 12th to the 20th centuries. Tulou is usually a large enclosed building, rectangular or circular in configuration, with a very thick weight supporting earth wall (up to 6 feet thick) and wooden skeletons, from three to five stories high, housing up to 80 families. 45 Tulou sites have been inscribed in 2008 by UNESCO as World Heritage Site, "as exceptional examples of a building tradition and function exemplifying a particular type of communal living and defensive organization, and, in terms of their harmonious relationship with their environment". Hakka Tulou also served to reinforce the ideology of fengshui practices used in design and construction "to demonstrate the unity between man and nature".

Option 2: Quanzhou City (one day, 200 yuan)


Laozi Statue in Quanzhou

Quanzhou is a coastal prefecture bordered by Xiamen sub-provincial city to the south west. Quanzhou, also called Licheng and Citong Cheng in Pinyin, is one of the most famous historical and cultural cities in China. It is an important seaport located in southeast Fujian Province and is the economic and political center of the province. To its east is Taiwan separated from Quanzhou by the East Sea, making Quanzhou the famous mother town of Chinese compatriots in Taiwan and overseas. The climate is warm and humid, comfortable for year-round travel, making Quanzhou a popular tourist destination.

GENERAL INFORMATION

VISA application and invitation letter

Please visit conference website (http://www.asc2011.org/asc2011/genl_info.asp) for detailed information.

Insurance

No responsibility can be assured for any kind of personal accidents, sickness, theft, or property damage suffered by conference participants. Participants are advised to arrange whatever insurance they consider it necessary.

Currency and credit cards

The unit of Chinese currency is Yuan (or RMB/CNY). The exchange rate is subject to

market fluctuations. One US dollar is equivalent to approximately 6.32 RMB as of November 9, 2011. Major credit cards including VISA, MasterCard, and American Express are accepted at some hotels, department stores and restaurants.

Tipping

Tipping is not a part of Chinese custom. No tipping is expected unless you are provided with extra service. It is not necessary to tip a taxi driver unless he/she assists with luggage or provides extra service.

Electricity

The standard domestic power supply in China is 220 V AC at 50 Hz. The standard sockets are two parallel lines and three lines as shown on the right photo.

Time and Business hours

China is eight hours ahead of Greenwich Meantime. Typical business hours in government and private offices are from 8:00 to 17:00 and closed on Saturday & Sunday. Most shops and banks are open from 9:00 to 19:00 or later, and open seven days a week.

Weather

Xiamen is a subtropical coastal city. The temperature in November is between 14 to 24 °C. The averaged precipitation in November is about 30 mm. You are recommended to have autumn dress and bring umbrella with you.

Transportation

With 62 international and domestic air routes opened, Xiamen Gaoqi International Airport is the fourth largest air traffic hub in mainland China after Beijing, Shanghai and Guangzhou. Daily direct domestic flights are available from major cities, e.g., daily 13 flight from Beijing, 21 flights from Shanghai, and 4 flights from Hong Kong. In addition, you can also go by direct flight to international destinations such as Seoul, Tokyo, Osaka, Singapore, Bangkok, Manila, and Kuala Lumpur.

Going from one place to another within the city is fairly easy with over 50 public transport routes with a fare of 1~2 yuan or by taxis at a reasonable fare.

The taxi fee from airport to Xiamen University is *ca.* 42 yuan in the daytime and *ca.* 55 yuan after 11:00 pm. For participants arriving at the train station, you can take bus route 1 or 21 to Xiamen University (last stop) and the taxi fee is around 16 yuan.

TAXI NOTE

Please take me to Wyndham Xiamen Hotel
请带我去温德姆酒店(请走成功大道)

Please take me to Yifu Hotel of Xiamen University
请带我去厦门大学逸夫楼(请走成功大道)

Please take me to Jianwen Hotel of Xiamen University
请带我去厦门大学建文楼(请走成功大道)

Please take me to Keli Hotel of Xiamen University
请带我去厦门大学克立楼(请走成功大道)

Please take me to Science and Art Center of Xiamen University
请带我去厦门大学科学艺术中心(请走成功大道)

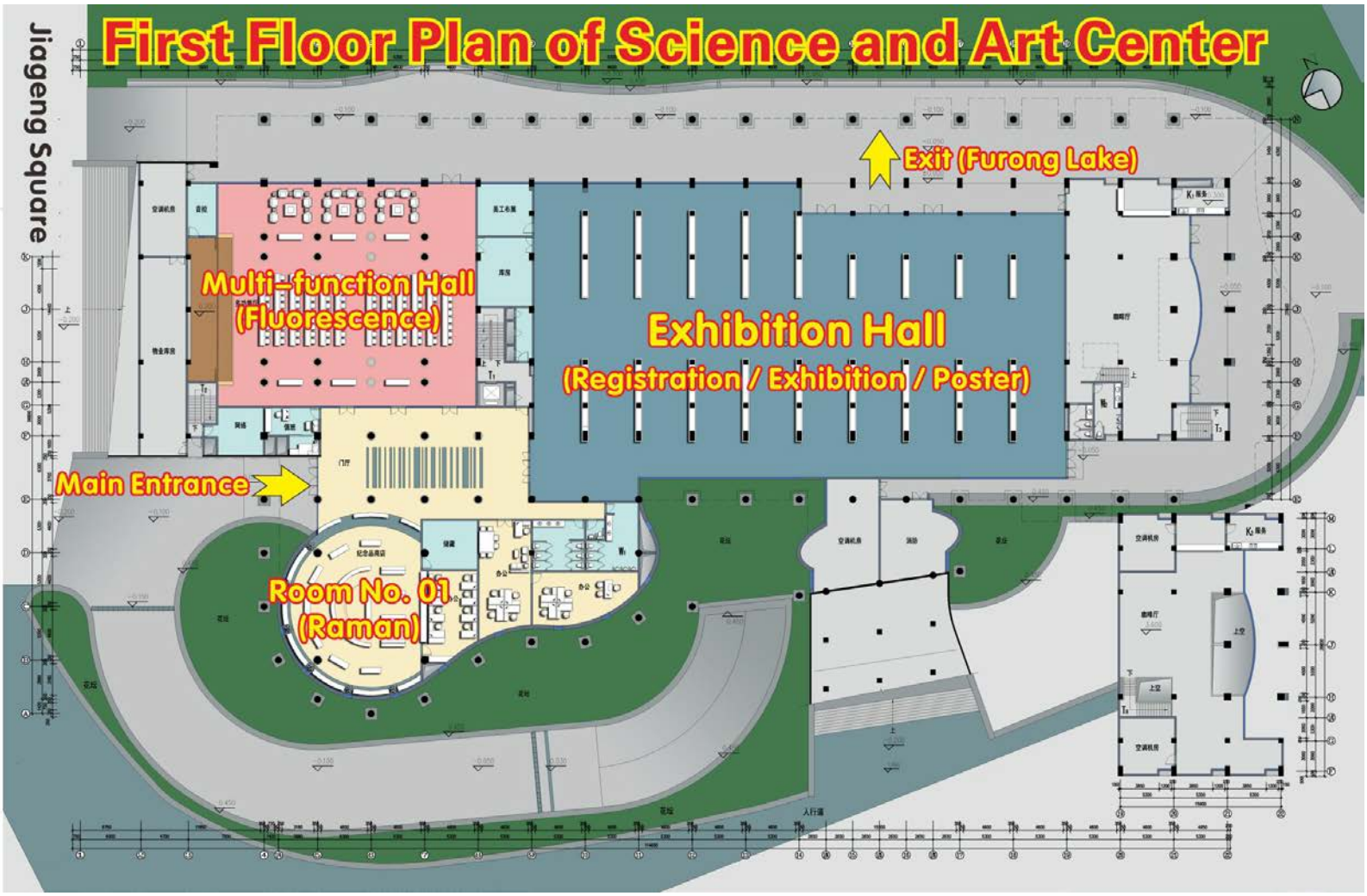
MAPS

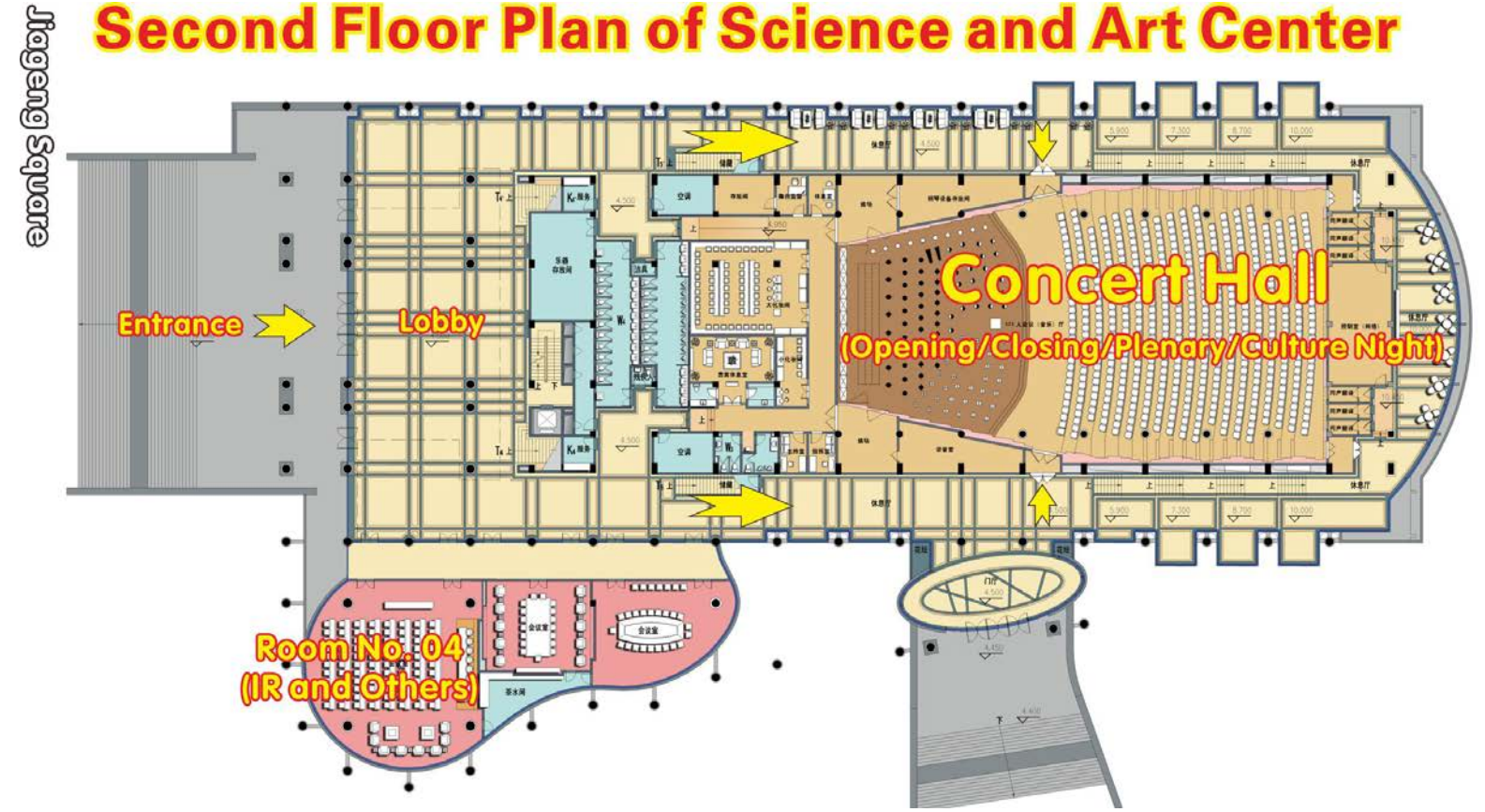

Harbin
Vladivostok
Jilin
Changchun
Ch'ŏngjin
Niigata
JAPAN
Fushun
NORTH KOREA
Sea of Japan
Shenyang
Benxi
Anshan
Wŏnsan
Gifu
CHINA
P'yŏngyang
Seoul
Kyōto
Kōbe
Beijing
Lüda
Okayama
Hohhot
Datong
Tangshan
Inch'ŏn
Taegu
Hiroshi
Tianjin
Pusan
Kitakyūs
SOUTH KOREA
Fukuoka
Shijiazhuang
Qingdao
Yellow Sea
Kumam
Taiyuan
Jinan
Kagoshima
Kyushu
Handan
Zengzhou
Xuzhou
Luoyang
Nanjing
Shanghai
Ryuky
Huainan
Xi'an
East China Sea
Wuhan
Hangzhou
Nanchang
Changsha
Fuzhou
Taipei
Xiamen
Guiyang
Kaohsiung
Guangzhou
Kunming
Macau
Hong Kong
Nanning
Hanoi
Haiphong
Luzon
Baguio


Lehai Rd
Jimei
集美区
Jimei Bridge
Xunjianggang
浔江港
Dailiao Reservoir
埭辽水库
Xiamen Gaoqi International Airport
Huli
湖里区
Xianyue Rd
S206
Guanyin Mountain
观音山
Taipingshan
太平山
Shangli Reservoir
上李水库
Xiamen University
Jiantan
剑潭
Xiamen East Side Shuidao
厦门东侧水道


Ferry
Downtown
Wyndham Xiamen Hotel
Gulangyu
First Hospital
Nanputuo Temple
Xiamen University
N
W
E
S
200m
Southwest of Xiamen Island


XMU Hospital
Qunxian Gate
Chemistry Building
Danan Gate
Jianwen Hotel
Yifu Hotel
Keli Hotel
Science and Art Center
Baicheng Gate
N
W
E
S
100m
Map of Xiamen University


First Floor Plan of Science and Art Center
Jiageng Square
Exit (Furong Lake)
Multi-function Hall
(Fluorescence)
Exhibition Hall
(Registration / Exhibition / Poster)
Main Entrance
Room No. 01
(Raman)


Second Floor Plan of Science and Art Center
Jiageng Square
Entrance
Lobby
Concert Hall
(Opening/Closing/Plenary/Culture Night)
Room No. 04
(IR and Others)