Chinese Chemical Society & Chinese Academy of Sciences

The Thirteenth International Symposium on Electroanalytical Chemistry (13th ISEAC)

Program

August 19~22, 2011

Changchun, China

ORGANISED BY:

-State Key Laboratory of Electroanalytical Chemistry (SKLEAC), Changchun Institute of Applied Chemistry (CIAC), Chinese Academy of Sciences (CAS)

-National Analytical Research Center of Electrochemistry and Spectroscopy, CIAC, CAS

-Changchun R & D Center for Analytical Instruments

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Contents

Agenda and Chairing of Sessions*

August 19-22, 2011, Changchun, China

	19th	20th	21st	22nd		
Morning	Registration (8:00-21:00) SKLEAC Academic Committee (Academic Members only, 14:30-17:30)	Opening Remark 8:00-8:05 E. WANG	Plenary Lectures	Session A	Session B	Session C
		Plenary Lectures (PL-1~4) 8:05-9:50 E. WANG & H. H. GIRAULT	Plenary Lectures (PL-9-13) 8:00-10:05 S. YAO & N. A. KOTOV	K. Lectures (K-27~29) 8:00-9:00 X.-P. YAN & C. B. FUH K, I & O Lectures (K-37, I-3~5) 9:00-10:05 J.-J. ZHU & N. JAFF REZIC-RENAULT	K. Lectures (K-30~32) 8:00-9:00 L. MAO & F. ZHOU K, I & O Lectures (I-14~16, 60) 9:00-10:00 W. MIAO & J.-J.XU	K. Lectures (K-34~36) 8:00-9:00 G. LI & E. LOJOU K, I & O Lectures (I-24~26, K-39) 9:00-10:05 X. XIA & J. YAN
		Coffee Break & Photograph	*Coffee Break*			
		Plenary Lectures (PL-5~8) 10:25-12:05 H.-Y. CHEN & T. KAKIUCHI	Plenary Lectures (PL-14~18) 10:20-12:25 A. M. BOND & S. COSNIER	I & O Lectures (I-6, 7, 10, 61) 10:20-11:20 I-M. HSING & S. LIU (I-11, 13, 76) 11:20-12:05 N. TERAMAE & J. KONG	I & O Lectures (I-27, 18~20) 10:20-11:20 G.WITTSTOCK & G. CHEN (I-21~23) 11:20-12:05 J. WANG & A. DERONZIER	I & O Lectures (I-28~31) 10:20-11:20 N. MANO & B. LIU (I-32~34) 11:20-12:05 X. CHEN & T. TAKAMURA
		Lunch				
		Session A: K, I & O Lectures (K-1, 23, 3) 13:30-14:30 Z. STOJEK & H. JU (K-4, 5 & I-1) 14:30-15:25 J.J. GOODING & Y. LU Session B: K, I & O Lectures (K-6~8) 13:30-14:30 J. ZHANG & C. Z. HUANG (K-9,10 & I-40) 14:30-15:25 H. ZHAO & A. KUHN	Plenary Lectures (PL-19~22) 13:30-15:10 R. L. MCCREERY & Z. LIU	I & O Lectures (I-35~37, 75) 13:30-14:30 Q. FANG & R. SÂNDULESCU (I-39, 2, 41, 42) 14:30-15:30 J.-M. LIN & G. DIAO (I-44~47) 15:30-16:30 H. WEI & J. BAREK	I & O Lectures (I-48~51) 13:30-14:30 P. HAPIOT & W. QIN (I-52~55) 14:30-15:30 C. K. MITRA & Z. DAI (I-56~59) 15:30-16:30 K.-C. LIN & J. CHEN	I & O Lectures (I-62~65) 13:30-14:30 K.TAKAMURA & X. LU (I-66~69) 14:30-15:30 C. FAN & P. HINTERDORFER (I-70~74) 15:30-16:45 M. YOSHIO & B.-F. LIU
		Coffee Break				
Afternoon		Poster Presentations (15:30-18:30)	Session A: K, I & O Lectures (K-11~13,38) 15:25-16:45 M. OPALLO & C. M. LI (K-15~18, I-8) 16:45-18:20 O. NIWA & X. WANG Session B: K, I & O Lectures (K-19~22) 15:25-16:45 H. WATZIG & Y. SHAO (K-2, 24~26,I-17) 16:45-18:20 J.-M. ZEN & Z. TANG			
Evening		Banquet *by CIAC in Southlake Hotel* 19:00-21:30	*Banquet & Welcome Party & Awarding* 19:00-21:30	*Supper*		

***Notes: SKLEAC Academic Committee will be held in the Conference Hall on the 8th floor of Redbuds Hotel from 14:30-17:30 on August 19th, 2011;**

Opening Remark & Plenary Lectures will be presented in the Conference Hall on the 7th floor in the Education Building of CIAC; Sessions A and B on 20th and 21st will be presented in the Conference Halls on the 7th and 6th floor in the Education Building of CIAC, respectively. Sessions A-C on 22th will be presented in the Conference Halls on the 2nd, 3rd and 8th floor, in Redbuds Hotel, respectively.

Poster presentations will be presented in the lobby of the 3rd and 4th floor in the Education Building of CIAC.

Coffee break on 20th and 21st will be served in the lobby of 5th and 6th floor in the Education Buliding of CIAC; Coffee break on 22nd will be served just next to the symposium places in Redbuds Hotel.

Program*

August 20th, 2011 (Plenary Lectures)

Education Building of CIAC

(Room 7039)

	8:00~8:05 5 min.	**Opening Remarks** Erkang WANG
	Chairpersons	**Erkang WANG & Hubert H. GIRAULT**
PL-1	8:05~8:35 30 min.	**Vibration Assistance/Coupling in Electron Transfer** José N. ONUCHIC *(Prof., University of California at San Diego, USA)*
PL-2	8:35~9:00 25 min.	**Can Ionic Liquids Make any Difference in Electroanalytical Chemistry?** Takashi KAKIUCHI *(Prof., Kyoto University, Japan)*
PL-3	9:00~9:25 25 min.	**Advances in Applications of Electrochemistry Made Possible by Integrated Instrumentation, Theory and Data Analysis that Exploit Fourier Transform Based Protocols** Alan M. BOND *(Prof., Monash University, Australia)*
PL-4	9:25~9:50 25 min.	**Molecular Assembly and Reaction on Electrode Surface: Technique and Characterization** Li-Jun WAN, Dong WANG *(Prof., Institute of Chemistry, CAS, China)*
COFFEE BREAK & PHOTOGRAPH (9:50-10:25)		
	Chairpersons	**Hong-Yuan CHEN & Takashi KAKIUCHI**
PL-5	10:25~10:50 25 min.	**Direct Electron-Transfer Reactions of Metalloproteins and Enzymes and Their Applications to Prepare Bio-fuel Batteries** Isao TANIGUCHI *(Prof., Kumamoto University, Japan)*

* The report time includes the discussion.

PL-6	10:50~11:15 25 min.	**Electrocatalysis at Soft Interfaces** Hubert H. GIRAULT *(Prof., Ecole Polytechnique Fédérale de Lausanne, Switzerland)*
PL-7	11:15~11:40 25 min.	**Electrochemically Imprinted Molecular Recognition Sites in Au NPs Composites: Applications as Sensors, Electrical Sponges, Electrocatalytic Surfaces and Control of Surface Wettability** Itamar WILLNER *(Prof., The Hebrew University of Jerusalem, Israel)*
PL-8	11:40~12:05 25 min.	**Bio-Inspired, Smart, Multiscale Interfacial Materials** Lei JIANG *(Prof., Institute of Chemistry, CAS, China)*
LUNCH		

August 20th, 2011 (Keynote, Invited & Oral Lectures)

Education Building of CIAC

SESSION A (Room 7039)		
	Chairpersons	**Zbigniew STOJEK & Huangxian JU**
K-1	13:30~13:50 20 min.	**Aerogels from Metal- and Semiconductor Nanocrystals** Alexander EYCHMÜLLER *(Prof., TU Dresden, Germany)*
K-23	13:50~14:10 20 min.	**Using the Ubiquitous Glucose Meter for Portable Quantification of Non-glucose Targets by Functional DNA Sensors** Yi LU, Yu XIANG *(Prof., University of Illinois at Urbana-Champaign, USA)*
K-3	14:10~14:30 20 min.	**Application of Two-Immiscible-Liquids System in Controllable Synthesis of Polymer-Polymer and Polymer-Metal Nanocomposites** Zbigniew STOJEK, Mikolaj DONTEN, Marianna GNIADEK, Marcin KARBARZ, Sylwia MALINOWSKA *(Prof., University of Warsaw, Poland)*

	Chairpersons	**J. Justin GOODING & Yi LU**
K-4	14:30~14:50 20 min.	**Applications of Micro/Nanopipettes** Yuanhua SHAO, Tianrong JI, Shujuan LIU, Qing LI, Wenbo ZHAO *(Prof., Peking University, China)*
K-5	14:50~15:10 20 min.	**Electrochemical Bioanalysis by Biofunctionalization of Nanomaterials** Huangxian JU *(Prof., Nanjing University, China)*
I-1	15:10~15:25 15 min.	**A New Strategy to Modify Electrode Interfaces with Gold Nanoparticles Using Paper Supports** Munetaka OYAMA, Daisuke NAKASHIMA, Frank MARKEN *(Assoc. Prof., Kyoto University, Japan)*
SESSION B (Room 6040)		
	Chairpersons	**Jingdong ZHANG & Cheng Zhi HUANG**
K-6	13:30~13:50 20 min.	**Application and Characterization of Chemical Functionality on Carbon Surfaces** Jyh-Myng ZEN *(Prof., National Chung Hsing University, Taiwan)*
K-7	13:50~14:10 20 min.	**Carbon Nanostructures for Protein Separation and Purification** Zhuo DU, Meiling CHEN, Jiawei LIU, Mingli CHEN, Xuwei CHEN, Jianhua WANG *(Prof., Northeastern University, China)*
K-8	14:10~14:30 20 min.	**A Nanostructured Carbon Film Fabricated with A Maskless UV/Ozone Etching Process for Direct Electron Transfer with Enzymes** Osamu NIWA, Hiroaki INOKUCHI, Akio UEDA, Dai KATO, Tomoyuki KAMATA, Shigeru UMEMURA, Shigeru HIRONO *(Prof., National Institute of Advanced Industrial Science and Technology, Japan)*
	Chairpersons	**Huijun ZHAO & Alexander KUHN**
K-9	14:30~14:50	**Functional Carbon Materials Mediated Biosensing System**

	20 min.	**for Sensitive Protein Analysis** Kai GUO, Jie ZHU, Lei LIAO, Hui CHEN, Song ZHANG, Jilie KONG, Baohong LIU *(Prof., Fudan University, China)*
K-10	14:50~15:10 20 min.	**Gold Nanoparticle Enhanced Electrochemiluminescence of CdS Thin Films for Ultrasensitive Thrombin Detection** Jing WANG, Yun SHAN, Wei-Wei ZHAO, Jing-Juan XU, Hong-Yuan CHEN *(Prof., Nanjing University, China)*
I-40	15:10~15:25 15 min.	**Dual Micro-electrodes as CE and HPLC Post-column Detectors for Peak Purity Assessment and Protein Determination** F. Y. DU, S. Y. MO, Y. S. FUNG *(Assoc. Prof., Hong Kong University, Hong Kong)*

August 20th, 2011 (Poster Presentations)

Lobby of the 3rd and 4th floor in the Education Building of CIAC

	15:30~18:00	**COFFEE BREAK & POSTER PRESENTATIONS**
	18:00~18:30	**VOTING FOR THE EXCELLENT POSTER PRESENTATIONS**
	19:00~21:30	**BANQUET BY CIAC IN SOUTHLAKE HOTEL**

August 21th, 2011 (Plenary Lectures)

Education Building of CIAC

(Room 7039)

	Chairpersons	**Shouzhuo YAO & Nicholas A. KOTOV**
PL-9	8:00~8:25 25 min.	**Coulomb Transport in Nano-Confined Electrochemical Cells** Henry S. WHITE, Jiewen XIONG, Emily L. COOLEY, Jing GUO, Mark A. BURGESS *(Prof., University of Utah, U.S.A.)*

PL-10	8:25~8:50 25 min.	**Functionalization of Carbon Nanotubes for Biosensing Applications and Bioproduction of Electrical Energy** Serge COSNIER *(Prof., Université Joseph Fourier, France)*
PL-11	8:50~9:15 25 min.	**Building Functional Electronic Devices from Molecular Components** Richard L. MCCREERY *(Prof., University of Alberta, Canada)*
PL-12	9:15~9:40 25 min.	**Targeting Graphene Electronics: from Designed CVD Growth to Photochemical Band Structure Engineering** Zhongfan LIU *(Prof., Peking University, China)*
PL-13	9:40~10:05 25 min.	**Cytosensing on Functional Interfaces** Hong-Yuan CHEN *(Prof., Nanjing University, China)*
COFFEE BREAK (10:05-10:20)		
	Chairpersons	**Alan M. BOND & Serge COSNIER**
PL-14	10:20~10:45 25 min.	**Peptide and Oligonucleotides Aptamers as New ligands for Analytical Chemistry** Marco MASCINI *(Prof., Università di Firenze, Italy)*
PL-15	10:45~11:10 25 min.	**Molecular Targeting of Tumor Cells Using Aptamer Functionalized Nanomaterials** Weihong TAN *(Prof., Hunan University, China & University of Florida, USA)*
PL-16	11:10~11:35 25 min.	**Self-Assembly of Nanoscale Colloids and Its Applications in Biosensing** Nicholas A. KOTOV *(Prof., University of Michigan,USA)*
PL-17	11:35~12:00 25 min.	**Plasmonic-Based Electrochemical Current and Impedance Imaging and Applications** Xiaonan SHAN, Wei WANG, Shaopeng WANG, Nongjian TAO *(Prof., Arizona State University, USA)*

PL-18	12:00~12:25 25 min.	**New Functional Materials for Chemo-Biosensing** Shouzhuo YAO *(Prof., Academician of CAS, Hunan University, China)*
LUNCH		
	Chairpersons	**Richard L. MCCREERY & Zhongfan LIU**
PL-19	13:30~13:55 25 min.	**Investigating Oxidative Stress at the Single Cell Level** Christian AMATORE *(Prof., Ecole Normale Supérieure, France)*
PL-20	13:55~14:20 25 min.	**Man-Made Nanomachines for Biomedical Applications** Joseph WANG *(Prof., University California San Diego, USA)*
PL-21	14:20~14:45 25 min.	**Fluorophore-Labeled Enzymes as Fluorescent Biosensors** Kwok-Yin WONG, Yun-Chung LEUNG, Pak-Ho CHAN, Yanxiang ZHAO, Chun-Wai TSANG *(Prof., The Hong Kong Polytechnic University, Hongkong)*
PL-22	14:45~15:10 25 min.	**Along the Way Studied on Electrochemical and Bioelectrochemical interface** Shaojun DONG *(Prof., Changchun Institute of Applied Chemistry, CAS, China)*
COFFEE BREAK (15:10~15:25)		

August 21th, 2011 (Keynote Lectures)

Education Building of CIAC

SESSION A **(Room 7039)**		
	Chairpersons	**Marcin OPALLO & Chang Ming LI**
K-11	15:25~15:45 20 min.	**Ordered Porous Microelectrodes for Bioanalysis** A. KUHN, M. HEIM, V. URBANOVA, K. VYTRAS, S. RECULUSA, S. RAVAINE, N. MANO, B. YVERT *(Prof., Université de Bordeaux 1, France)*

K-12	15:45~16:05 20 min.	**Bio-Imaging and Cell Recognition Based on New Supramolecules and Nanocomposites** Xuemei WANG, Yuanyuan ZHANG, Chunhui WU, Hui JIANG, Gen ZHANG, Yanyan ZHOU *(Prof., Southeast University, China)*
K-13	16:05~16:25 20 min.	**Dispersible Electrodes: Gold Coated Magnetic Nanoparticles for Electrochemical Sensing** J. Justin GOODING, Leo M. H. LAI, Ian Y. GOON, Kyloon CHUAH, Elizabeth MURAGO, May LIM, Rose AMAL *(Prof., The University of New South Wales, Australia)*
K-38	16:25~16:45 20 min.	**Assembly of Metal Nanoparticles for Light Scattering Analytical Chemistry** Yi WANG, Yuan Fang LI, Cheng Zhi HUANG *(Prof., Southwest University, China)*
	Chairpersons	**Osamu NIWA & Xuemei WANG**
K-15	16:45~17:05 20 min.	**In Vivo Single Cell Detection with Electro-Optical Fiber Based Nanobiosensor** Chang Ming LI, Xinting ZHENG *(Prof., Nanyang Technological University, Singapore)*
K-16	17:05~17:25 20 min.	**In-situ Fourier Transform Infrared Spectroelectrochemistry for Ethanol Oxidation in Alkaline Media** Juchao YAN *(Prof., Eastern New Mexico University, USA)*
K-17	17:25~17:45 20 min.	**Exploring Nanoparticulate Films Consisting Oppositely Charged Particles for Electrochemical (Bio)sensing** Marcin OPALLO, Anna CELEBANSKA, Katarzyna SZOT, Dorota TOMASZEWSKA, Adam LESNIEWSKI, Maciej PASZEWSKI, Joanna NIEDZIOLKA-JONSSON, Frank MARKEN *(Prof., Institute of Physical Chemistry, Polish Academy of Sciences, Poland)*
K-18	17:45~18:05 20 min.	**A Molecularly Imprinted Polymer Coated on Glassy Carbon Electrode Modified with Multi-Walled Carbon Nanotubes for Enantioselective Recognition of (S)-Propranolol** Huixiang LI, Hui CHEN, Jilie KONG *(Prof., Fudan University, China)*

I-8	18:05~18:20 15 min.	**Building Plasmonic Nanoarchitectures with DNA** Wenlong CHENG, Michael COMPOLONG, Shawn J. TAN, Detlef-M. SMILGIES, Yi CHEN, Khee NG, Yue TANG, Dan LUO *(Assoc. Prof, Monash University, Clayton Campus, Australia)*
SESSION B **(Room 6040)**		
	Chairpersons	**Hermann WÄTZIG & Yuanhua SHAO**
K-19	15:25~15:45 20 min.	**In Vivo Electroanalytical Chemistry and Beyond** Lanqun MAO, Ping YU *(Prof., Institute of Chemistry, China)*
K-20	15:45~16:05 20 min.	**Assay of Protein Biotinylation with Electrochemical Technique** Zhaoyin WANG, Yuanyuan XU, Genxi LI *(Prof., Nanjing University, China)*
K-21	16:05~16:25 20 min.	**Electroanalytical and Related Methods for Disease Biomarker Detection and Studies of Metal-Induced Oxidative Stress in Neurodegenerative Disorders** Dianlu JIANG, Chengshan WANG, Lin LIU, Jianxiu WANG, Lin ZHANG, Gian GRANT, Ning XIA, Feimeng ZHOU *(Prof., California State University, USA)*
K-22	16:25~16:45 20 min.	**Electroactive Hydrolysis Probe (eTaq Probe)-Based Electrochemical Real-Time Polymerase Chain Reaction** Xiaoteng LUO, Feng XUAN, I-Ming HSING *(Prof., The Hong Kong University of Science and Technology, Hongkong)*
	Chairpersons	**Jyh-Myng ZEN & Zhiyong TANG**
K-2	16:45~17:05 20 min.	**Study of Electrocatalytic Properties of Noble Metal Nanoparticles** Zhiyong TANG *(Prof., National Center for Nanoscience and Technology, China)*
K-24	17:05~17:25 20 min.	**Realizing the Visualization of the Endocytic and Exocytic Processes of WGA by Quantum Dot-Based Single-Particle Tracking** Shu-Lin LIU, Zhi-Ling ZHANG, En-Ze SUN, Jun PENG, Min

		XIE, Zhi-Quan TIAN, Yi LIN, Dai-Wen PANG *(Prof., Wuhan University, China)*
K-25	17:25~17:45 20 min.	**Selective $2H^+$, $2e^-$ CO_2 Electroreduction Utilizing as Catalyst A Carbonyl Complex of A Non-noble Naturally-Abundant metal: [Mn(L)CO_3Br] (L = Bipyridyl Derivatives)** Marc BOURREZ, Florian MOLTON, Sylvie CHARDON-NOBLAT, Alain DERONZIER *(Prof., Universite Joseph Fourier, France)*
K-26	17:45~18:05 20 min.	**Mn-Doped ZnS Quantum Dots for Optosensing** Xiu-Ping YAN, Yu HE, He-Fang WANG, Peng WU *(Prof., Nankai University, China)*
I-17	18:05~18:20 15 min.	**The Electrochemical Behaviors of Single Gold Nanoparticle** Jude LAKBUB, Antibe POULIWE, Alexander KAMASAH, Peng SUN *(Assis. Prof., East Tennessee State University, USA)*
Banquet (19:00~21:00)		

August 22th, 2011 (Keynote, Invited & Oral Lectures)

Redbuds Hotel

SESSION A **(Golden Redbuds Conference Hall on the 8th floor)**		
	Chairpersons	**Xiu-Ping YAN & C. Bor FUH**
K-27	8:00~8:20 20 min.	**Protein Properties Precise: Quality Control and Affinity Capillary Electrophoresis** Sabine REDWEIK, Deia EL HADY, Sascha KÜHNE, Xi DENG, Simone SCHRÖDER, Thomas HAHNE, Claudia CIANCIULLI, Adhitasari SURATMAN, Sandra GROTEFEND, Stefanie WROBLEWITZ, Lukas KAMINSKI, Hermann WÄTZIG, Yuanhong XU *(Prof., TU Braunschweig, Germany)*
K-28	8:20~8:40 20 min.	**Quantum Dots for Biosensing** Jun-Jie ZHU *(Prof., Nanjing University, China)*
K-29	8:40~9:00	**An Abasic Site in Oligonucleotides as A Platform for**

	20 min.	**Biosensing** Norio TERAMAE, Kotaro MORITA, Zhiai XU, Nayoung PARK *(Prof, Tohoku University, Japan)*
	Chairpersons	**Jun-Jie ZHU & Nicole JAFFREZIC-RENAULT**
K-37	9:00~9:20 20 min.	**DNA Sensing at DNA Nanostructure-Decorated Surfaces** Chunhai FAN *(Prof., Shanghai Institute of Applied Physics, CAS, China)*
I-3	9:20~9:35 15 min.	**Impedance Studies for Biosensors** Chanchal K. MITRA, Dayananda SIDDAVATTAM, Venkateswar REDDY *(Prof., University of Hyderabad, India)*
I-4	9:35~9:50 15 min.	**Biochemical Analysis Using Functional Magnetic Nanoparticles in Thin Channels** C. Bor FUH, C. F. HSU, J.R. CHAN, H. Y. TSAI *(Prof., National Chi Nan University, Taiwan)*
I-5	9:50~10:05 15 min.	**Improved Features of Biosensors for Environmental and Biomedical Detection, Using SWCNTs.** Nicole JAFFREZIC-RENAULT, Florence LAGARDE *(Prof., Claude Bernard University Lyon 1, France)*
COFFEE BREAK (10:05~10:20)		
	Chairpersons	**I-Ming HSING & Shaoqin LIU**
I-6	10:20~10:35 15 min.	**Microbial Bioelectrochemical Sensing Systems for Determination of Biochemical Oxygen Demand** Huijun ZHAO, Changyu LIU, Shaojun DONG *(Prof., Griffith University, Australia)*
I-7	10:35~10:50 15 min.	**Polymeric Membrane Ion-Selective Electrodes for Potentiometric Aptasensing** Wei QIN, Jiawang DING *(Prof., Yantai Institute of Coastal Zone Research, CAS, China)*
I-10	10:50~11:05 15 min.	**Electrochemical Impedance Immunosensor Amplified by Liposome** Haiyan WANG, Dongyan SUN *(Prof., Anhui Normal University, China)*

I-61	11:05~11:20 15 min.	**Application of Metal Nanoparticle/Carbon Nanofiber Composite Materials in Electroanalysis** Jianshe HUANG, Yang LIU, Haoqing HOU, Tianyan YOU *(Prof., Changchun Institute of Applied Chemistry, CAS, China)*
	Chairpersons	**Norio TERAMAE & Jilie KONG**
I-11	11:20~11:35 15 min.	**Exploiting Metallic-Organic Coordination Polymers as Highly Efficient Immobilization Matrices of Enzymes for Sensitive Electrochemical Biosensing** Yingchun FU, Penghao LI, Lijuan BU, Ting WANG, Qingji XIE, Jinhua CHEN, Shouzhuo YAO *(Prof., Hunan Normal University, China)*
I-13	11:35~11:50 15 min.	**Highly-sensitive Organophosphorous Pesticide Biosensors Based on Nanostructured Films of Enzyme and CdTe Quantum Dots** Shaoqin LIU, Zhaozhu ZHENG, Xinyu LI *(Prof., Harbin Institute of Technology, China)*
I-76	11:50~12:05 15 min.	**Novel Strategy for Synthesis of Multi-Shell Hollow Nanostructures** Dan WANG, Zhenghong DONG, Xiyong LAI *(Prof., Institute of Process Engineering, CAS, China)*
SESSION B (Function Hall on the 3rd floor)		
	Chairpersons	**Lanqun MAO & Feimeng ZHOU**
K-30	8:00~8:20 20 min.	**Electrochemical, ECL, EPR, and SECM-ECL Studies of the 2-(Dibutylamino)ethanol (DBAE) Free and Cation Radicals** Cunwang GE, Daniel A. Mcmurry, Suman PARAJULI, Wujian MIAO *(Assoc. Prof., The University of Southern Mississippi, USA)*
K-31	8:20~8:40 20 min.	**Steady-State and Dynamic Studies of Self-assembled Monolayers on Gold Surfaces with Molecular and Sub-Molecular Resolution** Jingdong ZHANG *(Assoc. Prof., Technical University of Denmark, Denmark)*
K-32	8:40~9:00 20 min.	**Construct of Ultra-High Sensitive and Selective Electrochemical Sensor: A Strategy Based on Click**

		Chemistry Suyan QIU, Zhenyu LIN, Guonan CHEN *(Prof., Fuzhou University, China)*
	Chairpersons	**Wujian MIAO & Jing-Juan XU**
I-14	9:00~9:15 15 min.	**New Electrode Materials for Batch and Flow analysis** Jiri BAREK, Hana DEJMKOVA, Karolina PECKOVA, Vlastimil VYSKOCIL, Jiri ZIMA, JosephWANG *(Prof., Charles University in Prague, Czech Republic)*
I-15	9:15~9:30 15 min.	**New Perspektives for Scanning Electrochemical Microscopy in the Analysis of Functional Materials** Gunther WITTSTOCK, Ushula M. TEFASHE, Andreas LESCH, Melanie RUDOLPH, D. MIURA, Derck SCHLETTWEIN, Fernando CORTÉZ-SALAZAR, Dimitry MOMOTENKO, Hubert H. GIRAULT *(Prof., Carl von Ossietzky University of Oldenburg, Germany)*
I-16	9:30~9:45 15 min.	**Voltammetric Monitoring of the Extraction of Silver(I) and Copper(II) from Aqueous Solutions with Methimazole-Based Ionic Liquids** Angel A. J. TORRIERO *(Dr., Deakin University, Australia)*
I-60	9:45~10:00 15 min.	**Electrocatalysis of Rutin on Ferrocene Benzyne Derivate Gold Nanoparticles and Grapheme Modified Electrode** Meiling LIU, Jianhui DENG, Linping WANG, Youyu ZHANG, Shouzhuo YAO *(Prof., Hunan Normal University, China)*
COFFEE BREAK (10:00~10:20)		
	Chairpersons	**Gunther WITTSTOCK & Guonan CHEN**
I-27	10:20~10:35 15 min.	**In Situ Structural Study on the Hydrolysis Reaction of Lipid Bilayer Catalyzed by Phospholipase A_2 (PLA_2) Enzyme** Yujin TONG, Hengliang WU, Aimin GE, Masatoshi OSAWA, Shen YE *(Assoc. Prof., Hokkaido University, Japan)*
I-18	10:35~10:50 15 min.	**Electrochemical Sensors for Pharmaceutical and Environmental analysis** Robert SĂNDULESCU, Cecilia CRISTEA, Veronica

		HÂRCEAGĂ, Ede BODOKI *(Prof., Iuliu Hatieganu University of Medicine and Pharmacy, Romania)*
I-19	10:50~11:05 15 min.	**Voltammetric Determination of Nano-electrodes** Koichi AOKI, Jingyuan CHEN *(Prof., University of Fukui, Japan)*
I-20	11:05~11:20 15 min.	**Nanocomposites Electrode Materials for the Electrocatalytic Oxidation, Detection and Removal of Arsenic** Jean-Claude MOUTET, Juan Francisco RIVERA *(Prof.,Université Joseph Fourier, France)*
	Chairpersons	**Jianhua WANG & Alain DERONZIER**
I-21	11:20~11:35 15 min.	**Highly Selective and Sensitive Cobalt(II) Membrane Electrode Based on Palladium(II) Dichloro Acetylthiophene Fenchone Azine** I. M. ISA, S. MUSTAFAR, M. AHMAD, N. HASHIM *(Dr., Universiti Pendidikan Sultan Idris, Malaysia)*
I-22	11:35~11:50 15 min.	**Electrochemical Determination of Thiols Based on Composite Film-Modified Screen-Printed Carbon Electrodes** Shu-Hua CHENG, Ya-Ping HSIAO, Shin Yi LI, Wan-Yu SU *(Prof., National Chi-Nan University, Taiwan)*
I-23	11:50~12:05 15 min.	**Electrospinning β-Cyclodextrin/Poly (vinyl alcohol) Nanofibrous Membrane for Molecular Capture** Wang ZHANG, Ming CHEN, Guowang DIAO *(Prof., Yangzhou University, China)*
SESSION C **(Chinese Restaurant on the 2nd floor)**		
	Chairpersons	**Genxi LI & Elisabeth LOJOU**
K-34	8:00-8:20 20 min.	**Development of Miniaturized Handheld Photometer Based on Liquid-Core Waveguide Absorption Detection** Qun FANG, Jian-Zhang PAN *(Prof., Zhejiang University, China)*
K-35	8:20-8:40 20 min.	**The Study of Cell Capture and Analysis of Drug Effect on Microfluidic Device** Dan GAO, Huibin WEI, Haifang LI, Jin-Ming LIN

		(Prof., Tsinghua University, China)
K-36	8:40-9:00 20 min.	**Greenly & Facilely Manufactured Nanostructure for Analytical Application** Xiurong YANG, Xiaolei WANG, Hui ZHU *(Prof., Changchun Institute of Applied Chemistry, ACS, China)*
	Chairpersons	**Xinghua XIA & Juchao YAN**
I-24	9:00-9:15 15 min.	**Neuronal Analysis of C. Elegans by in Vivo Imaging on A Microfluidic Chip** Bi-Feng LIU, Jingjing WANG, Xiaojun FENG, Wei DU *(Prof., Huazhong University of Science and Technology, China)*
I-25	9:15-9:30 15 min.	**Development and Application of Novel Microarray** Zhenxin WANG, Jingqing GAO, Tao LI *(Prof., Changchun Institute of Applied Chemistry, CAS, China)*
I-26	9:30-9:45 15 min.	**SECM Soft Contact Mode for Microfabrication** Dongping ZHAN, Dezhi YANG, Zhong-Qun TIAN *(Assoc. Prof., Xiamen University, China)*
K-39	9:45-10:05 20 min.	**Interfaical Behavior of Biomolecules and Bioelectrochemical Anlysis** Xinghua XIA *(Prof., Nanjing University, China)*
COFFEE BREAK (10:05~10:20)		
	Chairpersons	**Nicolas MANO & Baohong LIU**
I-28	10:20~10:35 15 min.	**Modification and Sensitivity Enhancement of Surface Plasmon Resonance Sensor by Electropolymerization, Photochemical Reaction and Enzymatic Polymerization** Toshihiko IMATO *(Prof., Kyushu University, Japan)*
I-29	10:35~10:50 15 min.	**Multifunctional Contrast Agents for Ultrasound Imaging and Photothermal Therapy** Zhifei DAI, Hengte KE, Jinrui WANG, Yushen JIN, Enze QU, Zhanwen XING, Caixin GUO *(Prof., Harbin Institute of Technology, China)*
I-30	10:50~11:05	**Single Molecule Force Spectroscopy and Recognition**

	15 min.	**Imaging** Peter HINTERDORFER *(Prof., Johannes Kepler University Linz, Austria)*
I-31	11:05~11:20 15 min.	**Preparation of Ferrocenemonocarboxylic Nanospheres/grapherne Hybrid Nanomaterial for electrochemical detection of Streptocooccus suis serotype 2** Huilan SU, Ruo YUAN, Yaqin CHAI *(Dr., Southwest University, China)*
	Chairpersons	**Xi CHEN & Tsutomu TAKAMURA**
I-32	11:20~11:35 15 min.	**Characterization of A Titanium(IV)-Porphyrin Complex as An Effective Reagent for Determining Hydrogen Peroxide Based on Ab Initio Calculations** Kiyoko TAKAMURA, Takatoshi MATSUMOTO *(Prof., Tokyo University of Pharmacy and Life Sciences, Japan)*
I-33	11:35~11:50 15 min.	**Molecular Adsorption at Silica/Liquid Interface Probed by Using Evanescent Wave Cavity Ring-down Absorption Spectroscopy** King-Chuen LIN *(Prof. , National Taiwan University, Taiwan)*
I-34	11:50~12:05 15 min.	**Direct Growth of $Cu(OH)_2$ Porous Thin Film for Sensor Application** Shenghai ZHOU, Xun FENG, Hongyan SHI, Wenbo SONG *(Prof., Jilin University, China)*
LUNCH		
SESSION A **(Golden Redbuds Confernence Hall on the 8th floor)**		
	Chairpersons	**Qun FANG & Robert SĂNDULESCU**
I-35	13:30~13:45 15 min.	**Enzymeless H_2O_2 Sensor Construction Based on Polyaniline/AuNPs Nanocomposite** Qin XU, Shi-Rong HAO, Yue-Er ZHOU, Xiao-Ya HU *(Prof., Yangzhou University, China)*
I-36	13:45~14:00 15 min.	**Role of the Hydrophobic Transmembrane Helix on H_2 Oxidation by the Immobilized Hydrogenase from *Aquifex Aeolicus*** E. LOJOU, A. CIACCAFAVA, S. LECOMTE, M-T.

		GIUDICI-ORTICONI *(Prof., Bioénergétique et Ingénierie des Protéines, CNRS, France)*
I-37	14:00~14:15 15 min.	**Ultrasensitive Electrochemical DNA Sensing Based on Enzymatic Silver Deposition Using Immobilized Hair-Pin DNA on Gold Electrode** Jing LIU, Xiaqing YUAN, Qiang GAO, Honglan QI, Chengxiao ZHANG *(Assoc. Prof., Shaanxi Normal University, China)*
I-75	14:15~14:30 15 min.	**Fluorescent Dye-Chemically-Doped Silica Nanostructures for Sensitive Gene Microarray** Aihua LIU *(Prof., Qingdao Institute of Bioenergy and Bioprocess Technology, CAS, China)*
	Chairpersons	**Jin-Ming LIN & Guowang DIAO**
I-39	14:30~14:45 15 min.	**Ultrasensitive Electrochemical Detection of Pathogen Specific DNA via Nanoparticle Layer-by-Layer Assembled Amplification Labels** Bingying JIANG, Haixia ZHANG, Jiaqing XIE, Ruo YUAN, Yun XIANG *(Prof., Southwest University, China)*
I-2	14:45~15:00 15 min.	**User-Friendly Carbon Electrodes** Alison J. DOWNARD, David J. GARRETT, Andrew J. GROSS, Keith H.R. BARONIAN *(Prof., University of Canterbury, New Zealand)*
I-41	15:00~15:15 15 min.	**Buffer Enhanced BRET Sensors Based on Gaussia Luciferase for Detection of Proteases** Fengyun LI, Hongping WEI, Xian-En ZHANG *(Prof., Wuhan Institute of Virology, Chinese Academy of Sciences, China)*
I-42	15:15~15:30 15 min.	**Direct Electron Transfer and Electrocatalysis of Horseradish Peroxidase Immobilized in DNA/chitosan Polyion Complex Film** Tingting GU, Jianli WANG, Yang ZHANG *(Assoc. Prof, University of Science and Technology Liaoning, China)*

	Chairpersons	**Hongping WEI & Jiri BAREK**
I-44	15:30~15:45 15 min.	**The Design of Structured DNA for the Construction of Electrochemical/Electrochemiluminescence Biosensors** Xue-Bo YIN, Chun-Xia TANG, Yue ZHAO, Dong-Yuan LIU *(Prof., Nankai University, China)*
I-45	15:45~16:00 15 min.	**Nonenzymatic Electrochemical Glucose Sensor Based on Platinum Nanoflowers Supported on Graphene Oxide** Genghuang WU, Xiaomei CHEN, Xi CHEN *(Prof., Xiamen University, China)*
I-46	16:00~16:15 15 min.	**Study on the Molecular Recognition of Adrenaline by Supramolecular Complexation with Formamide** Tao LIU, Wan-Dong CHEN, Zhang-Yu YU, Yan ZHANG *(Dr., Jining University, China)*
I-47	16:15~16:30 15 min.	**Development of An Electrochemical Aptamer-Based Sensor with A Sensitive Fe_3O_4 Nanopaticle-redox Tag for Reagentless Protein Detection** Guoliang ZHOU, Xiaoli XU, Lili CAO, Guohai LIANG, Hui CHEN, Baohong LIU, Song ZHANG, Jilie KONG *(Assoc. Prof., Fudan Universit, China)*
		SEESION B **(Function Hall on the 3rd floor)**
	Chairpersons	**Philippe HAPIOT & Wei QIN**
I-48	13:30~13:45 15 min.	**An Electrochemical Sensor of Phenol Based on Au Electrode Modified with Mercapto-Functionalized Imidazole Ionic Liquid** Yiting CHEN, Danli GUO, Lu HUANG, Qi LIN *(Dr., Minjiang University, China)*
I-49	13:45~14:00 15 min.	**Facile Method for Synthesis of Pt Nanoparticles with High Electrochemical Active for Oxygen Reduction Reaction** Yan SHEN, Dekang HUANG, Jie BAI, Bingyan ZHANG, Mingkui WANG *(Prof., HuaZhong University of Science and Technology, China)*
I-50	14:00~14:15 15 min.	**Sensitive Electrochemical Sensors for Naphthol Isomers Based on ß-Cyclodextrin and Noble Metal Nanoparticles Functionalized Carbon Materials**

		Gangbing ZHU, Pengbo GE, Jianhui ZHANG, Wenqiang ZHANG, Jiayue MA, Xiaohua ZHANG, Jinhua CHEN *(Prof., Hunan University, China)*
I-51	14:15~14:30 15 min.	**Electrochemical Solid Phase Nano-Extraction – the Molecular Interactions on Electrode Surface for Electrochemical Sensors at nM~pM levels** Yongchun ZHU, Chunyan PANG, Hongyan GAO, Yue DONG, Jie LU *(Prof., Shenyang Normal University, China)*
	Chairpersons	**Chanchal K. MITRA & Zhifei DAI**
I-52	14:30~14:45 15 min.	**A Novel Mesoporous Carbon Nanofiber-Modified Pyrolytic Graphite Electrode Applied in Simultaneous Determination of Dopamine, Uric Acid and Ascorbic Acid** Ying YUE, Yuan LIAO, Guangzhi HU, Yong GUO, Shijun SHAO *(Dr., Lanzhou Institute of Chemical Physics, CAS, China)*
I-53	14:45~15:00 15 min.	**A General Electrochemical Approach to Synthesize Linear Triazenide-Metal Crystals and Study in Characteristics** Qiying LV, Yunli LIU, Shuzhong ZHAN, Jianshan YE *(Prof., South China University of Technology, China)*
I-54	15:00~15:15 15 min.	**How do Phenolic Compounds React toward Superoxide? An Electrochemical Method for Evaluating Antioxidant Capacity** Philippe HAPIOT, Alice RENE, Didier HAUCHARD, Marie-Laurence ABASQ *(Prof., University of Rennes 1, France)*
I-55	15:15~15:30 15 min.	**Voltammetry of Carboxyl Functionalized Particle Films** Tianbao LI, Jingyuan CHEN, Koichi AOKI *(Dr., Northwest A & F University, China)*
	Chairpersons	**King-Chuen LIN & Jinhua CHEN**
I-56	15:30~15:45 15 min.	**Underpotential Deposition of Li on Activated Carbon Fiber Studied by Cyclic Voltammogram and Raman Spectra** Tsutomu TAKAMURA, Fuminori MOURI, Hidekazu AWANO, Ryoichi TAKASU, And Kyoichi SEKINE *(Prof., Harbin Institute of Technology, Japan)*
I-57	15:45~16:00	**New Insights on Oxygen Reduction at Pt electrodes**

	15 min.	Yan-Xia CHEN, Ling Wen LIAO, Ming Fang LI, Shen YE *(Prof.,University of Science and Technology of China, China)*
I-58	16:00~16:15 15 min.	**Hybrid Electrochemical Sensors for Real-world Analysis** Erica FORZANI, Nongjian TAO, Lihua ZHANG, Alvaro DIAZ, Francis TSOW *(Assis. Prof., Arizona State University, USA)*
I-59	16:15~16:30 15 min.	**Ionic Liquid-Mediated Electrochemical Sensor for Noχ Gas** Lichan CHEN, Danjun HUANG, Shuyan REN, Tongqing DONG, Yuwu CHI, Guonan CHEN *(Prof., Fuzhou Univiersity, China)*
SESSION C **(Chinese Restaurant on the 2nd floor)**		
	Chairpersons	**Kiyoko TAKAMURA & Xiaoquan LU**
I-62	13:30~13:45 15 min.	**Antioxidant Detection Technique Based on Magnetic Nanoparticles and Reusable Flow Cell** Peng LI, Wei ZHANG, Jingjing ZHAO, Jifeng LIU, Jianbo JIA *(Prof., Liaocheng University, China)*
I-63	13:45~14:00 15 min.	**Oxygen Reactions in Nonaqueous Rechargeable Lithium-Air Batteries** Zhangquan PENG, Stefan A. FREUNBERGER, Laurence J. HARDWICK, Yuhui CHENG, Nick DREWETT, Peter G. BRUCE *(Prof., University of St. Andrews, United Kingdom)*
I-64	14:00~14:15 15 min.	**The Utilization of Graphite to the Positive Electrode for Energy Storage Devices : Gr/$Li_4Ti_5O_{12}$ Cell** Masaki YOSHIO, Nanda GUNAWARDHANA, Nikolay DIMOV, Hiroyoshi NAKAMURA, Arjun Kumar THAPA, Hongyu WANG *(Prof., Saga University, Japan)*
I-65	14:15~14:30 15 min.	**Nanostrcutured Electrocatalyst for Proton Exchange Membrane Fuel Cells** Xin WANG *(Assoc. Prof., Nanyang Technological University, Singapore)*
	Chairpersons	**Chunhai FAN & Peter HINTERDORFER**

I-66	14:30~14:45 15min	**Research on Photoinduced Electron Transfer Process of Functionalized Porphyrin** Xiaoquan LU, Wenting WANG, Yaqi HU, Bowan WU, Xiuhui LIU *(Prof., Northwest Normal University, China)*
I-67	14:45~15:00 15 min.	**Engineering Hybrid Nanotubes Wires for Efficient Miniature Membrane-Less Biofuel Cell** Nicolas MANO, Feng GAO, Lucie VIRY, Maryse MAUGEY, Philippe POULIN *(Prof., Université Bordeaux I, France)*
I-68	15:00~15:15 15 min.	**Reductive Charging of Gold Nanocluster Films in Aqueous Media** Bin SU, Wanzhen LI, Dan WANG, Qinqin SUN *(Prof., Zhejiang University, China)*
I-69	15:15~15:30 15 min.	**Molecular Recognition Force Spectroscopy Study of A Specific Lectin and Carbohydrate Interaction** Jilin TANG, Yongjun LI, Haiyan QIAO, Bailin ZHANG *(Changchun Institute of Applied Chemistry, ACS, China)*
	Chairpersons	**Masaki YOSHIO & Bi-Feng LIU**
I-70	15:30~15:45 15 min.	**The Role of Bioproduced Metal Nanoparticles in Direct Electron Transfer** Feng ZHAO, X. E. WU, N. RAHUNEN, J. R. VARCOE, C. AVIGNONE-ROSSA, E. THUMSER, R. C. T. SLADE *(Prof., Institute of Urban Environment, CAS, China)*
I-71	15:45~16:00 15 min.	**Electrochemically Transduced Logic Gate on Molecular Level** Yaqing LIU, Andreas OFFENHÄUSSER, Dirk MAYER *(Dr., Forschungszentrum Juelich GmbH, Germany)*
I-72	16:00~16:15 15 min.	**Probing the Redox Reaction Dynamics of Porphyrin at the Electrode-Electrolyte Interface at Molecular Level** Yufan HE, Eric BORGUET *(Dr., Bowling Green State University, USA)*
I-73	16:15~16:30 15 min.	**Studying Cell Membranes by In-Situ Atomic Force Microscopy** Hongda WANG, Mingjun CAI, Weidong ZHAO, Yuping SHAN,

		Xin SHANG, Junguang JIANG *(Prof., Changchun Institute of Applied Chemistry, CAS, China)*
I-74	16:30~16:45 15 min.	**Nucleic Acid-Induced Self-Assembly of Small Molecular Probes** Cong YU, Bin WANG, Huping JIAO, Dongli LIAO, Fangyuan WANG, Wenying LI, Jian CHEN, Qingfeng ZHANG, Yue YANG *(Changchun Institute of Applied Chemistry, ACS, China)*
SUPPER		

List of Poster Presentations

P-1		**Gold/Platinum Nanosponges for Electrocatalytic Oxidation of Methanol** Zong-Hong LIN, Zusing YANG, Hsiang-Yu TSAI, Zih-Yu SHIH, Huan-Tsung CHANG *(National Taiwan University, Taiwan)*
P-2		**Facile Solvothermal Synthesis of Cube-like Ag@AgCl: a Highly Efficient Visible Light Photocatalyst** Lei HAN, Ping WANG, Chengzhou ZHU, Yueming ZHAI, Shaojun DONG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-3		**Synthesis of Porous Hollow γ-/α-Fe_2O_3 Nanoparticles in CO_2-Expanded Solvent and Their Properties** Jun MING, Yingqiang WU, Yancun YU, Fengyu ZHAO *(Changchun Institute of Applied Chemistry, ACS, China)*
P-4		**In Site Layer-by-Layer Controllable Synthesis of Prussian Blue Nanoparticles Anchored to Multiwalled Carbon Nanotubes with Poly(4-Vinylpyridine) Linker** Junhua YUAN, Na LI, Jianguo HU *(Zhejiang Normal University,China)*
P-5		**Study of Supported Planar Bilayers in the Presence of Cytochrome c** Chunyan XING, Yongjun LI, Yingming XU, Haiyan QIAO, Jilin TANG, Bailin ZHANG

		(Changchun Institute of Applied Chemistry, ACS, China)
P-6		**Rapid and Efficient Synthesis of Platinum Nanodendrites towards Highly Active Electrocatalysts** Liang WANG, Yusuke YAMAUCHI *(National Institute for Materials Science (NIMS), Japan)*
P-7		**Superparamagnetic Plasmonic Nanohybrids: Shape-Controlled Synthesis, TEM-Induced Structure Evolution and Efficient Sunlight-Driven Inactivation of Bacteria** Yueming ZHAI, Lei HAN, Ping WANG, Gaiping LI, Wen REN, Ling LIU, Erkang WANG, Shaojun DONG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-8		**Potentiometric Sensor Based on Molecularly Imprinted Polymer Nanoparticles for Determination of Triclosan** Rongning LIANG, Wei QIN *(Yantai Institute of Coastal Zone Research, China)*
P-9		**Simple and Eco-friendly Preparation of Luminescent Reduced Graphene Oxide Nanoparticles** Ping WANG, Lei HAN, Shaojun DONG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-10		**Hollow Flower-like AuPd Bimetallic Nanoparticles Self-Assembly on Ionic Liquid-functionalized Graphene and Electrocatalysis toward Formic Acid** Jia CHAI, Fenghua LI, Dongxue HAN, Qixian ZHANG, Li NIU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-11		**Functionalization of Graphene with Electrodeposited Prussian Blue Towards Amperometric Sensing Application** Yuanyuan JIANG, Changsheng SHAN, Qixian ZHANG, Li NIU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-12		**Layer-by-layer Assembled Multilayer of Graphene/Prussian Blue toward Simultaneous Electrochemical and SPR Detection of H_2O_2** Yan MAO, Yu BAO, Wei WANG, Li NIU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-13		**Graphene-Mesoporous Silica-Gold Nanoparticle Hybrids: Synthesis and Used on Integrated Sensing System for**

		Ultra-sensitive Detection of DNA Using New Parallel-Motif DNA Triplex System Yan DU, Shaojun GUO, Shaojun DONG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-14		**In-situ Stimuli-Responsive Graphene-Templated Controllable Synthesis and Self-Assembly of Gold Nanoparticles** Xin ZHAO, Yang LIU, Jinghong LI *(Tsinghua University, China)*
P-15		**PdAg Alloy Nanoparticles Supported on Graphene and Its Excellent Electrocatalytic Activity** Minmin LIU, Wei CHEN *(Changchun Institute of Applied Chemistry, ACS, China)*
P-16		**Scalable Production of Aqueous Graphene Dispersions Via A Base Wash: the Underlying Mechanism and Potential Application in Ink Industry** Wenhui HE, Lehui LU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-17		**An Enhanced Electrochemical Platform Based on Graphene-polyoxometalate Nanomaterials for Sensitive Determination of Diphenolic Compounds** Linyuan CAO, Hongmei SUN, Jing LI, Lehui LU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-18		**One-Pot Synthesis of TiO_2-Graphene Composite Nanosheets with Enhanced Photocatalytic Activity** Lei SUN, Lehui LU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-19		**Nonenzymatic Amperometric Determination of Glucose by CuO Nanocubes-graphene Nanocomposite Modified Electrode** Limei ZHU, Zhen LIU, Liqiang LUO, Zhenxin WANG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-20		**A Highly Sensitive and Selective Chemosensor Based on Gold Naocluster for the Fluorescent Sensing of Cyanide in Water** Yanlan LIU, Lehui LU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-21		**Nanomaterials-Based Chemosensors for Highly Sensitive and**

		Selective Detection of Pollutants in the Environment Kelong AI, Yanlan LIU, Chenghua ZONG, Lehui LU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-22		**Electrochemical Immunoassay for Carcinoembryonic Based on Graphene Multilayers Supported Lectin Interface** Dongjiao ZHAO, Fengna XI *(Changchun Institute of Applied Chemistry, ACS, China)*
P-23		**Synthesis of Novel Core–Shell Bimetal/Semiconductor/Graphene Hybrid Nanomaterials with Enhanced Electrocatalytic and Photoelectrical Property** Zhenlu ZHAO, Lehui LU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-24		**Magnetite/Reduced Graphene Oxide Nanocomposites: One Step Solvothermal Synthesis and Use as A Novel Platform for Removal of Dye Pollutants** Hongmei SUN, Linyuan CAO, Lehui LU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-25		**Functionalizing Metal Nanostructured Film with Graphene Oxide for Ultrasensitive Detection of Aromatic Molecules by Surface-Enhanced Raman Spectroscopy** Xiaojuan LIU, Linyuan CAO, Wei SONG, Kelong AI, Lehui LU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-26		**An Ascorbic Acid and Dopamine Sensor Based on Graphene/Pt Composite** Fenghua LI, Jia CHAI, Qixian ZHANG, Dongxue HAN, Li NIU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-27		**Fabrication, Characterization of Graphene-Silver Composite Film** Miao XU, Li WANG, Wen Ren, Shaojun DONG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-28		**Silver Nanoparticles Based Label-free Colorimetric Immunosensor for Rapid Detection of Neurogenin1** Yue Yuan, Jia ZHANG, Hanchang ZHANG, Xiurong YANG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-29		**Fluorescent Silver Nanoclusters in Hybridized DNA Duplexes**

		for the Turn on Detection of Hg^{2+} ion Liu DENG, Zhixue ZHOU, Shaojun DONG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-30		**Electrochemically Reduced Graphene Oxide Films Decorated with Silver Nanoparticles as Hydrogen Peroxide Sensor** Zhelin LIU, Yujing SUN, Zhuang LI *(Changchun Institute of Applied Chemistry, ACS, China)*
P-31		**Oligonucleotide-Stabilized Fluorescent Silver Nanoclusters for Turn-on Detection of Melamine** Shuang HAN, Shuyun ZHU, Zhongyuan LIU, Lianzhe HU, Guobao XU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-32		**Sequence-dependent Fluorescence of Oligonucleotide-Stabilized Silver Nanoclusters** Bingyan HAN, Erkang WANG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-33		**One-Pot Synthesis of Heterostructured Pt–Ru Nanocrystals for Catalytic Formic Acid Oxidation** Yizhong Lu, Wei CHEN *(Changchun Institute of Applied Chemistry, ACS, China)*
P-34		**One-Step Electrochemical Approach to the Synthesis of Graphene/MnO_2 Nanowall Hybrids** Chengzhou ZHU, Shaojun GUO, Youxing FANG, Lei HAN, Erkang WANG, Shaojun DONG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-35		**Preparation of Graphene Nanosheets-Pt Nanoparticles by Photoreduction** Yujing SUN, Fugang XU, Yue ZHANG, Zhelin LIU, Yan SHI, Zhiwei WEN, Zhuang LI *(Changchun Institute of Applied Chemistry, ACS, China)*
P-36		**pH-Reversed Ionic Current Rectification Displayed by Conically Shaped Nanopore without Any Modification** Jiahai WANG, Zhijun GUO, Jiangtao REN, Erkang WANG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-37		**Green-Synthesized Gold Nanoparticles Decorated Graphene Sheets for Label-Free Electrochemical Impedance DNA**

		Hybridization Biosensing Yuwei HU, Li NIU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-38		**Facile Synthesis of Flower-like Gold Submicrostructure for Constructing Superhydrophobic Surface** Fugang XU, Zhiwei WEN, Yujing SUN, Yue ZHANG, Yan SHI, Zhuang LI *(Changchun Institute of Applied Chemistry, ACS, China)*
P-39		**Assembly of $Ni(OH)_2$ Nanoplates on Reduced Graphene Oxide: A Two Dimensional Nanocomposite for Enzymefree Glucose Sensing** Yue ZHANG, Fugang XU, Yujing SUN, Yan SHI，Zhiwei WEN, Zhuang LI *(Changchun Institute of Applied Chemistry, ACS, China)*
P-40		**Facile Colorimetric Detection of Glucose Based on An Organic Fenton Reaction** Xiaowen XU, Xiurong YANG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-41		**Deposition of CZTS Nanoparticles onto ITO by Electrochemical Polymerization of Pyrrole** Lawrence Yoon Suk LEE, Enna HA, Kwok-Yin WONG *(The Hong Kong Polytechnic University, Hongkong)*
P-42		**Automatic Measurement and Compensation of Solution Resistance for Electrochemical Measurements** Yu BAO, Li NIU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-43		**Anions Binding to Proteins Studied by Affinity Capillary Electrophoresis** Yuanhong XU, Sabine REDWEIK, Hermann WÄTZIG *(TU Braunschweig, Germany)*
P-44		**Seed-Mediated Growth of Palladium Nanocrystals: the Effect of Pseudo-Halide Thiocyanate Ions** Ling ZHANG, Wenxin NIU, Guobao XU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-45		**Dual-Emission Fluorescent Silica Nanoparticle-Based Probe**

		for Ultrasensitive Detection of Cu^{2+} Chenghua ZONG, Kelong AI, Guo ZHANG, Hongwei LI, Lehui LU *(Changchun Institute of Applied Chemistry, ACS, China)*
P-46		**Synthesis and Characterization of Two Series Tetra-Substituted Amino Zinc Phthalocyanine** Wei ZHANG, Wubiao DUAN, Zhenxin WANG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-47		**A Simple and Sensitive Colorimetric Assay for Detection of Cadmium Ion Based on Functionalized Gold Nanoparticles** Zhijun ZHU, Zhenxin WANG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-48		**Synthesis and Cell-Surface Binding of Lectin-Gold Nanoparticle Conjugates** Jine WANG, Dianjun LIU, Zhenxin WANG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-49		**Studying Carbohydrate-Protein Binding by Gold Nanoparticle Probe** Qiong HOU, Wubiao DUAN, Zhenxin WANG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-50		**Functional magnetic Fe_2O_3@Au nanoparticles for recognition of colorectal cells** Xiuxia HE, Zhenxin WANG *(Changchun Institute of Applied Chemistry, ACS, China)*
P-51		**Carbon-Nanosphere-Supported Pd Nanoparticles for Formic Acid Oxidation** Wentao WEI, Wei CHEN *(Changchun Institute of Applied Chemistry, ACS, China)*
P-52		**Manipulation of Pd Nanoparticle Networks for Advanced Electrocatalyst** Haoxi WU, Haijuan LI, Haili HE, Xiaolong XU, Yujuan ZHAI, Yongdong JIN *(Changchun Institute of Applied Chemistry, ACS, China)*
P-53		**Nanomposite Films Based on Conjugated Polymer and Lignosulfonate-Stabilized Silver Colloid** Grzegorz MILCZAREK, Tomasz REBIS

		(Poznan University of Technology, Poland)
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General Information

Plenary, Keynote, Invited & Oral Lectures, Poster Presentations

Plenary lectures are presented in the conference hall on the 7th floor in the Education Building of the Changchun Institute of Applied Chemistry (CIAC). Keynote, Invited & Oral lectures on 20th and 21st are presented on the 7th and 6th floor in the Education Building of CIAC, respectively. Invited & oral lectures on 22nd will be presented on the 2nd, 3rd and 8th floor, in Redbuds Hotel, respectively.

The formal language of the symposium is English. Multimedia projectors (connected with a PC preinstalled with MS Office PowerPoint) were supplied by the organizing committee. You are encouraged to copy your files in advance to the computer supplied by the symposium and make sure it displays correctly.

Poster presentations will be presented in the lobby of the 3rd and 4th floor in the Education Building of the Changchun Institute of Applied Chemistry from 15:30-18:30 on August 20th, and you may prepare your poster before 15:30 on August 20th. The size of poster should be 150 cm (height) × 90 cm (width) and can be mounted on the display board with adhesive bands, which will be provided at the lobby. Poster presentation should include the title, abstract, main text figures and/or tables, diagrams and conclusions. Please include your contact data (names, institute, address, phone, fax, e-mail). Use of color in the poster presentation makes visual communication more effective. Textual and graphic illustrations should be kept simple but effective. All poster lettering should be typewritten. Since your poster will be read at distance of a couple of meters, use appropriate size lettering (The letter height of title, main text and other smallest symbols in figures and tables should be no less than 2.5 cm, 1.0 cm and 0.5 cm, respectively). Authors or their representative must be in attendance to set-up their display and be present in front of the poster.

About ten excellent poster presentations will be voted and announced on the 21st-banquet and each poster presentation will be awarded with the certificate as well as a prize of 1000.00 CNY.

Accommodation, Transportation & Services

The Redbuds Hotel (five stars) has been reserved for participants according to your registration information. The address of the hotel is

5688 Renmin Street, Changchun 130022, Jilin, China,

Tel: +86-431-85687888

Transportation from and to the Changchun Airport will be arranged by the Secretariat of Organizing Committee according to your arriving and departure time. In case you miss our service you may find taxi or bus out of the Changchun Airport lounge. Taxi fare from the airport to hotels is about 90 CNY (approx. 14 USD). Please ask for a receipt with the taxi registration number in case you require special assistance when you arrive at the hotel. Please show the note below to the driver. It would be helpful for you to take a taxi to the hotel.

Please Take Me To Redbuds Hotel.

THANKS!

(5688 Renmin Street, Changchun).

请送我到紫荆花酒店。谢谢!

（人民大街5688号，长春）

Breakfast is included in your room expense (70 USD/each standard room/day in cash) and served on the 1st floor at 7:00. Tickets for lunch and supper, and the invitation letter for the banquets are contained in the congress bag, handed at the registration desk. Tickets are not refunded. Lunch on 19th is served on the 1st floor in Redbuds Hotel. Suppers on 19th and 22nd are served on the 2nd floor in Redbuds Hotel. Lunch on 22nd is served on the 1st and 2nd floor simultaneously in the Redbuds Hotel. Lunches on 20th and 21st are served in the Dining Hall on basement-1 in the Education Building of CIAC. The meal times are indicated on the meal tickets. Banquet by CIAC on 20th is served at 19:00 in Southlake Hotel. Banquet on 21th is served on the 8th floor at 19:00 in Redbuds Hotel. Coffee break on 20th and 21st will be served in the lobby of 5th and 6th floor in Education Buliding of CIAC; Coffee break on 22nd will be served just next to the symposium places in Redbuds Hotel.

The phone call inside the hotel, internet, swimming pool and gymnasium are free of charge during your stay in the hotel. Mini-bar in your bedroom and some supplements in your washing room are charged as price labeled. You may contact the hotel for opening the mini-bar as well as the local and long distance call and pay when you check out. According to the hotel regulation, the checkout time after 14:00 before 18:00 will be regarded as another half-day. CNY exchange is possible in this Hotel for most main currency. Other service you may contact with the front desk of the hotel.

Photograph

The group photo including all delegates will be taken in the morning of August 20th. Each delegate can receive one group photo free from the Secretary Office or download free from the website: http://iseac.ciac.jl.cn/.

Social Programs

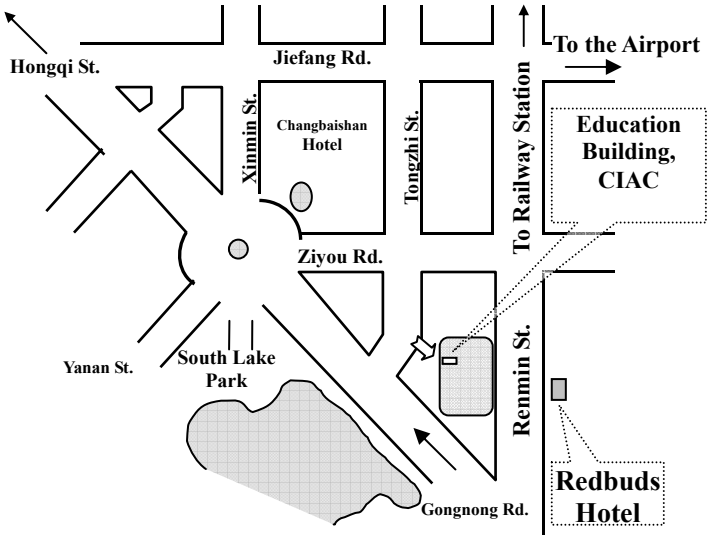
Banquet by CIAC on 20th is served at 19:00 in Southlake Hotel. Banquet on 21th is served on the 8th floor at 19:00 in Redbuds Hotel.

The two-day post symposium tour to Gaogouli relic in Ji'an and Yalu River between China and North Korea takes 125.00 USD or 780.00 CNY including transportation, accommodations and arranged sightseeing for each person and you need to pay in the day of registration. Extra 25.00 USD or 150 CNY is needed if you do not want to share the room with another one. The bus will leave for the tour in the front of Redbuds Hotel at 6:00 on August 23rd and be back for supper at 19:00 on August 24th. During the trip you need to check out hotel and you may leave your unnecessary bags at the front desk at the lobby of the hotel and take it when you are back and check in if you need.

Registration Desk

The registration is available from 8:00 to 21:00 on August 19th in the lobby of the first floor of the Redbuds Hotel. For other times you can contact with the Secretariat Office at room 803 (Tel: +86-431-85563333 ext. 8803). The registration fee to be paid on site is 150.00 USD for each participant. The registration fee includes proceedings, meals, coffee break, banquets, local transport, bag, *etc*.)

Schematic Map



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