BCEIA 2007

The 12th Beijing Conference and Exhibition on Instrumental Analysis

Date: October 18-21, 2007
Venue: Beijing Friendship Hotel





Sponsored by:
The China Association for Instrumental Analysis

Supported by:
The Ministry of Science and Technology, PRC

International Cooperation Partners:
PITTCON, USA
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FOREWORD

Welcome to

The Twelfth Beijing Conference and Exhibition on Instrumental Analysis (BCEIA 2007)

Prof. Xiguan MA
Chairman,Organizing Committee
Vice President, BCEIA 2007

September 26, 2007

The Twelfth Beijing Conference and Exhibition on Instrumental Analysis (BCEIA 2007), sponsored by the China Association for Instrumental Analysis and approved by the Ministry of Science and Technology, China, will take place as scheduled on **October 18 to 21, 2007** with its conference at **Beijing Friendship Hotel** and its exhibition at **Beijing Exhibition Center**, and with Dr. Yanhua LIU, Vice Minister of the Ministry of Science and Technology,PRC, as its President, Prof. Yunyu SHI, Academician, Chinese Academy of Sciences, as its Chairman of Scientific Committee.

Beginning from 1985, the BCEIA, a biennial event, has been successively and successfully held for eleven times. It is this year the worth celebrating 22th anniversary of BCEIA. Over the past years, we have joyfully seen BCEIA, becoming increasingly successful, having achieved great progress under the support and care from all walks of life at home and abroad, and having made its valuable contribution to promoting the connection between domestic and foreign instrument manufacturers and their users, strengthening the academic exchange between domestic and foreign scientists and pushing forward the development of analytical instrument industry of our country.

BCEIA 2007 Conference will proceed with a plenary session and separate sub-sessions of eight fields of Electron Microscopy & Material Sciences, Mass Spectrometry, Spectroscopy, Chromatography, Magnetic Resonance, Electroanalytical Chemistry, Life Science and Environmental Analysis. The theme of BCEIA 2007 will be "Life Science and Nanotechnology". The plenary session will feature specially invited review lectures on the foreseeable future of various fields of instrumental analysis given by 8 internationally prominent scientists. There will be around 432 scholars from 18 countries and regions attending with 368 contributions, one third of which made by foreign counterparts.

With respect to the exhibition on analytical instrument, this year, BCEIA will enjoy unprecedented participation of domestic and foreign exhibitors with larger scale than the previous one. There will be 7 halls and 20,000 sqm. and 317 instrument manufacturers from 18 countries and regions, one third of which being foreign, setting up 608 standard booths with growth rate 40%, showing their latest developed high level products, including instruments, devices & materials, agents, softwares and services etc. There will be influential magazines, publishers and web companies on analytical instrument participating. During the exhibition, there will also be fairly large scale "Symposium on applied technology of analytical instrument", "Ceremony for awarding BCEIA gold medal for outstanding home made analytical instruments and for CAIA award issue" and "Technical exchange seminar" taking place.

We believe that BCEIA 2007 will be an exceptionally grand occasion with larger scale and higher level. We will be warmly welcoming guests from research institutes, universities, factories, enterprises and departments of administration of science and technology through out the country to BCEIA 2007 then!

ORGANIZATION

BCEIA 2007 Organization

President of BCEIA 2007:

Dr. Yanhua LIU	Vice-Minister of the Ministry of Science and Technology of PRC

Vice-Presidents of BCEIA 2007:

Mr. Hua YANG	Former President of China Association for Instrumental Analysis (CAIA)
Prof. Shunchang WANG	Vice President of CAIA
Prof. Xiguan MA	Standing Member of CAIA
Prof. Yunyu SHI*	University of Science and Technology of China

Organizing Committee of BCEIA 2007

Chairman:

Prof. Xiguan MA	Standing Member of CAIA

Vice Chairman:

Ms. Bo WANG	Deputy Director, Department of Exhibition and Conference, CAIA
Ms. Xiuli BI	Exhibition Affair Manager, BCEIA
Prof. Xinxiang ZHANG	Peking University
Prof. Bin XIA	Beijing NMR Center, Peking University

Members:

Prof. Yuanhua SHAO	Peking University
Prof. Xiaohong QIAN	Beijing Institute of Radiation Medicine
Prof. Guibin JIANG	Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences.
Prof. Xiaodong HAN	Beijing University of Technology
Prof. Zeper ABLIZ	Chinese Academy of Medical Sciences and Peking Union Medical College
Prof. Xinrong ZHANG	Analysis Center,Tsinghua University
Prof. Haiying YANG	Research Instituteof Petroleum Processing(RIPP), SINOPEC
Prof. Zhengfan WANG	Consultative Committee, CAIA
Ms. Suan JIANG	Chief, Organizing Committee Office BCEIA
Mr. Zhongfa FENG	Conference Affair Manager, BCEIA

Scientific Committee

Chairman:

Prof. Yunyu SHI*	University of Science and Technology of China

Vice Chairman:

Prof. Erkang WANG*	Changchun Institute of Applied Chemistry, CAS

Members :

Prof. Rolf BOELENS	Utrecht University of Netherland
Prof. Zhaolun FANG*	Northeastern University
Prof. Fuchu HE*	National Center for Biomedical Analysis
Prof. Benli HUANG *	Xiamen University
Prof. Guofan JIN*	Tsinghua University
Prof. J.M. KARFFMANN	Free University of Brussel
Prof. Peichang LU*	Dalian Institute of Chemical Physics, CAS
Prof. Shuying LIU	Chinese Society of Mass spectrometry
Prof. Fusheng WEI*	China National Environmental Monitoring Center
Prof. Hengqiang YE *	Institute of Metal, CAS
Prof. Yukui ZHANG*	Dalian Institute of Chemical Physics, CAS
Prof. Ze ZHANG*	Beijing University of Technology

Academician, Chinese Academy of Sciences (CAS) or Chinese Academy of Engineering (CAE)

Scientific Committee Working Group

Convenor:

Prof. Bin XIA	Magnetic Resonance

Members:

Prof. Yuanhua SHAO	Electroanalytical Chemistry
Prof. Xiaohong QIAN	Life Science
Prof. Guibin JIANG	Environmental Analysis
Prof. Xiaodong HAN	Electron Microscopy & Material Sciences
Prof. Zeper ABLIZ	Mass Spectrometry
Prof. Xinrong ZHANG	Spectroscopy
Prof. Haiying YANG	Chromatography

BCEIA 2007 北展技术讲座日程

10月18日上午

公司名称	交流内容	讲演人	交流厅号
天美(澳门)离岸商业服务有限公司 Techcomp(Macao Commercial Offshore) Limited	更易使用的新一代日立电子显微镜 (SU-1500, TM-1000) New Electron Microscopy from Hitachi (SU-1500, TM-1000), easy to operate system.	坪井 Hideki Tsuboi 产品经理日立高新技术 Mr. Tsuboyi Hideke Product manager from Hitachi-High-Technologies	A
Retsch Gmbh 德国 Retsch 中国办事处	样品粉碎及颗粒分析的综合解决方案 The solution of sample preparation and particle analysis	Joerg Westermann	B
安特百科(北京)技术发展有限公司 Antpedia Tech. Development Ltd.	分析测试百科网新闻发布会 www.antpedia.com Press Release Conferecce		1
上海环台贸易有限公司 Shanghai Envichem Corporation	1. 能力验证(PT)的国际动态和CNAS的PT政策。	崔明军先生 / 中国合格评定国家认可委 (CNAS)，能力验证处 副处长。 时间: 10月18日 09:30 -10:10 a.m.	2
	2. Interlaboratory Comparison Technical Issues and the New International Standards. (实验室间比对活动的技术发展和最新国际标准。)	Mr. Harlan Mott / 美国 Analytical Products Group (APG)公司 PT Manager (能力验证部经理)， 翻译人名称、职务: 曾昭荣 (Richard C. Tseng) / 上海环台公司(Shanghai Envichem Corporation) 总经理 (General Manager) 时间: 10 月 18 日 10:10 - 11:30 a.m.	

10月19日上午

公司名称	交流内容	讲演人	交流厅号
北京凯净联合科技有限公司 Beijing QuiXave United Technology Ltd. Corporation	CORONA 电晕式检测器及其在分析技术中的应用 The Introduction of Corona CAD Detector and Its Application	Darwin Asa, (PhD, Marketing Director)	A
岛津国际贸易(上海)有限公司 SHIMADZU INTERNATIONAL TRADING (SHANGHAI) CO., LIMITED	岛津应对新自来水法规的整体解决方案 Shimadzu package solutions to the new tap water regulations of China	秦亚萍 谷雪香 Ms. Qin Yaping and Ms. Gu Xueqiang	B
慕尼黑展览(上海)有限公司 Munich Trade Fairs (Shanghai) Co.,Ltd	新闻发布会		1
德国耶拿分析仪器股份公司 Analytik Jena AG	1. "体验连续光源新技术，再创原子吸收新高峰" Enjoying the new technology of Continuum Source , Redefining the Future of AAS	Mr.Werner Schrader, 副总裁 Vice President	2
	2. "直接固体进样石墨炉技术在实际分析中的最新应用 More proved experience with the new technology of direct solid sampling graphite furnace AAS in the real work	赵 泰 中国区总经理 Mr. Zhao Tai General Manager China	
北京瑞思克分析仪器设备中心 (美国 RESTEK 公司)	最新推出的环境监测和食品分析应用技术 Application in Environment Monitor and Food Analysis by Restek Advance GC Technology	王其昌	102

10月18日下午

公司名称	交流内容	讲演人	交流厅号
北京滨松光子技术股份有限公司 Beijing Hamamatsu Photon Techniques Inc.	光电倍增管在测光技术中的应用 The subject of technial exchange: The Application of Photomultiplier Tubes in the Measurement of Light	李妙棠，研究级高级工程师 Miaotang Lee Professor Level Senior Engineer	A
岛津国际贸易（上海）有限公司 SHIMADZU INTERNATIONAL TRADING(SHANGHAI)CO., LIMITED	1. 岛津独特的食品中农药残留分析解决方案 Shimadzu unique package solutions to residue pesticides analysis in food.	李佳萍 Ms LI Jiaping	B
	2.RESTEK 色谱农残分析毛细管柱的特点及最新应用 Features and the latest applications of Restek capillary columns specified for residue pesticides	Eberhardt 博士 Dr. Eberhardt	
上海通微分析技术有限公司 Unimicro (Shanghai) Technologies Co., Ltd.	1. 超高效电动液相色谱技术及在生物药物分析中的应用	1. 闫超 博士 美国通微技术股份有限公司 董事长兼 CEO 上海交通大学 教授 博士生导师	1
	2. 蒸发光散射检测技术与应用	2. 黄晓晶 博士 通微(上海)分析技术有限公司 市场部经理	
	3. 中低压制备色谱系统	3. 王玉红 通微(上海)分析技术有限公司 客户服务部经理	
北京泰克斯科技有限公司 SHISEIDO CO.,Ltd.	Aproaches towards high-throughput (HT) HPLC 实现低压高速高通量分析的途径 ◇ Anti-carryover autosampler equipped with ultrasonic cleaning device 独自超声洗净机能搭载的残留抑制对策 ◇ Optimized pumping system for high-speed gradient analysis LC-MS 高速梯度分析最适的高压混合流液系统 ◇ Polymer-coated stationary phases designed for HT analysis 高分子包膜型高性能快速色谱柱 LC-MS Troubleshooting LC-MS 问题解决策略 ◇ Influence of mobile phases 流动相的影响 ◇ New tools to improve LC-MS 改善 LC-MS 分析的新手段	城田 修 博士 Lecturer: Dr. Osamu ShirotaCurrent responsibility	2
美国瓦里安技术中国有限公司 Varian, Inc.	食品安全与农药残留分析最新国际技术	张培 高级化学专家	102

10月19日下午

公司名称	交流内容	讲演人	交流厅号
Thermo Fisher Scientific	1、Multi-residue pesticides analysis in complex matrix by using triple quad GC/MS/MS 三重四极杆GC/MS/MS在复杂基体中农药多组份残留分析的优势	张伟国博士，质谱应用工程师 Dr. Zhang WeiGuo, MS Application Engineer	A
	2、ETD: Protein analysis and PTM improvement ETD 裂解源：蛋白质鉴定和翻译后修饰补改良特异性分析。	王勇为博士，质谱应用部经理 Dr. Peter Wang, MS Application Manager	
	3、FT-IR Newest Tech. Development and Relative Application 最近傅力叶红外光谱技术及相关应用。	Eric Jiang 博士 Research FT-IR Product Manager Dr. Eric Jiang	
	4、ICP-MS Newest Tech. Development and Relative Application — 等离子体质谱最新技术及相关应用	陆文伟先生， ICP 质谱应用技术经理 Mr. Lu Wenwei	
北京惠泽联合科技有限公司 Beijing QuiXave United Technology Ltd. Corporation	库仑阵列电化学检测器及其在分析技术中的应用 The Introduction of CoulArray ECD Detector and Its Application	Darwin Asa, (PhD, Marketing Director)	B
天美(澳门离岸商业服务)有限公司 Techcomp(Macao Commercial Offshore) Limited	一分钟完成一次液相色谱分析? 使用日立超高速液相色谱LCU系统 Finish a liquid Chromatograph analysis in one minute? using Hitachi Ultra speed liquid Chromatograph(LCU)system	伊藤正人 Masahito Ito 主任技师　日立高新技术 Mr. Masahito Ito Senior Engineer from Hitachi-High-Technologies	1
霍尼韦尔特殊材料部 Honeywell (China) Co. Ltd Specialty Materials, Asia Pacific	Effects of mobile phase solvent impurities on LC-MS analysis and solvent evaluation methods 流动相溶剂杂质对LC-MS分析的影响及溶剂评价方法	Luna Liu	2

10月20日上午

公司名称	交流内容	讲演人	交流厅号
DataApex	Clarity Chromatography Soft-word	Mr. Ivrn Viniš	A
雷尼绍（香港）有限公司 Renishaw (Hong Kong) Limited	雷尼绍激光显微拉曼光谱仪的新进展 New development in Renishaw Laser Micro-Raman system	Liu JingQing 刘景青	B
天美(澳门)离岸商业服务)有限公司 Techcomp(Macao Commercial Offshore) Limited	稳态荧光分析和荧光寿命测试的解决方案及应用 Solution and Application of Steady-state and Lifetime Fluorescence Analysis	邱海林 博士 天美科技有限公司 Dr. Qiuhailin product manager from Techcomp Ltd	1

10月20日下午

公司名称	交流内容	讲演人	交流厅号
株式会社堀场制作所 HORIBA,LTD.	new approach on CCD ICP OES for trace determinations using multi lines analysis: The M.A.S.T.E.R concept	JM. MERMET - P.AYASSE Horiba Jobin Yvon France	B
仪器信息网 www.instrument.com.cn	网络经济时代仪器行业的整合营销方案 Integrated marketing solution for instrument industry in new economic time	客户服务部 经理 赵鑫先生 Service Manager Mr. Zhao Xin	1
	Web2.0 营销：挖掘仪器社区40万用户的潜在价值 Web2.0 marketing: Digging the value of virtual community users	副总经理 王忠　博士 Vice President Dr. Mac Wang	

第十二届 BCEIA 期间“分析仪器应用技术报告会”大会报告题目及日程

一、综合报告（10月18日上午9:30 - 12:00）

主持人：阎成德教授　　地点：第五会议室

时 间 Time	报告人 Speaker	单 位 Unit	题 目 Topic
9:30 - 10:05	川本健志主任	日本分析机器工业会(JAIMA)	JAIMA 介绍
10:05 - 10:40	Don Kuehl	Cerno Bioscience/ 思路生科公司	质谱新技术——用低分辨的传统质谱测定化合物分子式
10:40 - 11:15	刘瑞函教授	上海光谱仪器有限公司	原子吸收高性能自吸背景校正方法的研究及应用
11:15 - 11:50	汪群杰博士	艾杰尔科技	固相萃取在样品前处理中的应用

二、成像分析（10月18日下午1:30 - 4:00）

主持人：袁洪福教授　　地点：第四会议室

时 间 Time	报告人 Speaker	单 位 Unit	题 目 Topic
1:30 - 2:05	刘双明教授	兰州石油化工公司研究院	在线分析仪表及其系统集成在炼油领域中的应用
2:05 - 2:40	王健博士	聚光科技	在线气体分析技术进展
2:40 - 3:15	袁洪福教授	北京化工大学	现代质谱过程分析技术与过程质量控制
3:15 - 3:50	周文敏教授	北京东西分析仪器有限公司	COD(UV)水质在线检测的发展与应用

三、药物与天然产物-1（10月18日下午1:30 - 4:00）

主持人：张德添教授　　地点：第五会议室

时 间 Time	报告人 Speaker	单 位 Unit	题 目 Topic
1:30 - 2:05	董芳霞 副研究员	军事医学科学院 生物医学分析中心	质谱在代谢组学研究中的应用
2:05 - 2:40	Dr. Ulrich Giesecke	北京金欧泰科技发展有限公司	蛋白质纯化与固定化酶的现代方法
2:40 - 3:15	陈 伟博士	Agilent	HPLC-CHIP 在生命科学研究领域中的应用
3:15 - 3:50	李彤教授	大连依利特公司	快速液相色谱在药物与天然产物分析中的应用

三、药物与天然产物-2（10月19日上午9:30 - 12:00）

主持人：董芳霞副研究员　地点：第五会议室

时 间 Time	报告人 Speaker	单 位 Unit	题 目 Topic
9:30 - 10:05	张欣怡博士	Bruker 公司	全方位探索新领域 – MALDI-TOF 质谱技术高端应用简介
10:05 - 10:40	王 颖博士	Agilent	LC/TOF & QTOF 在药物分析中的应用
10:40 - 11:15	Dr. HY Cheng	昇鼎材料科技(上海)有限公司	使用纳升级液相色谱进行高灵敏度的多肽和蛋白质分析
11:15 - 11:50	吴单天研究员	国家体育总局运动医学研究所	兴奋剂检测技术的新进展

三. 药物与天然产物-3 (10月19日下午1:30 - 4:00)

主持人: 颜贤忠博士　地点: 第五会议室

时 间 Time	报告人 Speaker	单 位 Unit	题 目 Topic
1:30 - 2:05	张彦军博士	军事医学科学院卫生装备研究所	扫描离子电导显微镜技术及其在纳米医学研究中的应用
2:05 - 2:40	陈红博士	Waters 公司	HD - MS 在蛋白质组学中的应用
2:40 - 3:15	王勇为博士	热电－赛尼根公司	Orbi - Trap 在药物代谢研究中的应用
3:15 - 3:50	颜贤忠博士	军事医学科学院 生物医学分析中心	代谢组学技术在药物安全评价中的应用

四. 食品安全-1 (10月19日上午9:30 - 12:00)

主持人: 蒋士强教授　地点: 第四会议室

时 间 Time	报告人 Speaker	单 位 Unit	题 目 Topic
9:30 - 10:05	杨敦启 高级工程师	瑞典 GE-IBD	BiacoreQ 应用 SPR 进行快速食品安全检测的国际前沿技术
10:05 - 10:40	于新天博士	Agilent	Agilent 最新 5975C GC/MS 在食品、环境分析中的应用
10:40 - 11:15	庞国芳教授	秦皇岛检验检疫局	农、兽药多残留检测技术
11:15 - 11:50		Bio-Rad	转基因食品检测技术与仪器

四. 食品安全-2 (10月19日下午1:30 - 4:00)

主持人: 汪正范教授　地点: 第四会议室

时 间 Time	报告人 Speaker	单 位 Unit	题 目 Topic
1:30 - 2:05	王静教授	中国农科院农产品标准与检测技术研究所	食品安全快速检测技术与仪器的进展
2:05 - 2:40	薄涛博士	Agilent	液相色谱／质谱技术在农药及兽药检测中的应用
2:40 - 3:15		法国阿尔法莫斯公司	创新性的电子鼻和电子舌技术在食品和环保上的应用
3:15 - 3:50	张萍研究员	中国农科院饲料研究所	近红外分析技术在鉴别食品伪劣中的应用

五. 主题报告 (10月20日上午9:30 - 12:00)

主持人: 齐文启教授　地点: 第四会议室

时 间 Time	报告人 Speaker	单 位 Unit	题 目 Topic
9:30 - 10:05	黄业茹教授	国家环境检测中心	环境有机污染物监测分析技术
10:05 - 10:40	陈玉红博士	Agilent	ICP-MS 联机技术在环境、食品及生化领域中的应用
10:40 - 11:15	华世英教授	戴安公司	离子色谱在环境污染物形态分析中的应用
11:15 - 11:50	齐文启教授	中国环境监测总站	环境污染事故的监测技术与仪器

六、翻译 (10月20日下午1:30 - 4:00)

主持人：王海舟教授　　地点：第四会议室

时 间 Time	报告人 Speaker	单 位 Unit	题 目 Topic
1:30 - 2:05	张晋远教授	钢铁研究总院	纳米体尺寸分布的X－射线小角散射分析
2:05 - 2:40	张泽院士	北京工业大学	纳米材料结构和性能的分析研究
2:40 - 3:15	陈晋云博士	Agilent	ICP-MS 技术在高纯材料分析中的应用
3:15 - 3:50	曹磊教授	国家钢铁材料测试中心	炼金过程有机污染物形成机理与检测

七、翻译精选-1 (10月20日上午9:30 - 12:00)

主持人：储小俐教授　　地点：第五会议室

时 间 Time	报告人 Speaker	单 位 Unit	题 目 Topic
9:30 - 10:05	余建坚博士	深圳检验检疫局	红火蚁的快速检测控制技术研究
10:05 - 10:40	李佳萍博士	Shimadzu	高性能色质谱联用技术在香精香料及石化分析中的高通量分析应用技术
10:40 - 11:15	冯典博士	Agilent	GCMS 技术在 RoHS 检测项目分析方法的研究／探讨
11:15 - 11:50	王静博士	中国检验检疫科学研究院	国境口岸应对生物反恐技术与装备

七、翻译精选-2 (10月20日下午1:30 - 4:00)

主持人：邹明强博士　　地点：第五会议室

时 间 Time	报告人 Speaker	单 位 Unit	题 目 Topic
1:30 - 2:05	邹明强博士	中国检验检疫科学研究院	用于检验检疫现场分析的新技术
2:05 - 2:40	孟繁博士	Waters	超高效液相色谱在化学品分析中的应用
2:40 - 3:15	刘更涛博士	北京东西分析仪器有限公司	东西质谱仪在香精香料检测中的应用
3:15 - 3:50	董益阳博士	中德化妆品研究所	化妆品功效与检测技术

AGENDA OF PLENAPY LECTURES

SITE: The Report hall of Meeting Hall in Friendship Hotel

Time: Oct. 18, 2007 AM (Thursday)

Presiding:		**Prof. Erkang WANG**
8:30-8:45		Opening Speech by Prof. Yunyu SHI
Presiding:		**Prof. Yunyu SHI**
8:45-9:30	E1	NMR STUDIES OF BIOMOLECULAR COMPLEXES **Prof. Rolf BOELENS** Utrecht University, NETHERLAND
9:30-10:00		**Coffee Break**
Presiding:		**Prof. Yunyu SHI**
10:00-10:45	B1	ION MOBILITY AS A PROBE FOR MOLECULAR STRUCTURE AND OLIGOMER STATES IN BIOLOGICAL ASSEMBLIES **Prof. Michael T. BOWERS** University of California Santa Barbara, USA
10:45-11:30	G1	PROTEOMICS: THE CHANCE AND CHALLENGE FOR ANALYTIC SCIENCES **Prof. Fuchu HE** Fudan University, CHINA
11:30-12:15	H1	ANALYTICAL TOXICOLOGY OF EMERGING ORGANIC CONTAMINANTS **Prof. Paul D JONES** University of Saskatchewan, CANADA

Oct. 19. 2007 AM (Friday)

Presiding:		**Prof. Erkang WANG**
8:30-9:15	C1	SELECTIVE ANALYSIS BY ANTIBODIES AND PHOTONS **Prof. Reinhard NIESSNER** Technical University of Munich, GERMANY
9:15-10:00	A1	CARBON NANOTUBES AND NANOTECHNOLOGY **Prof. Sumio IIJIMA** Meijo University in Nagoya, JAPAN
10:00-10:30		**Coffee Break**
Presiding		**Prof. Erkang WANG**
10:30-11:15	F1	ELECTROCHEMISTRY AND ELECTROCATALYSIS AT THE NANOSCALE **Prof. David J. SCHIFFRIN** University of Liverpool, UK
11:15-12:00	D1	ADVANCE IN VETERINARY DRUGS RESIDUE CONTROL IN EUROPEAN UNION **Prof. Sanders PASCAL** French Agency for Food Safety, FRANCE

AGENDA OF SESSIONS

A. ELECTRON MICROSCOPY & MATERIAL SCIENCES

Date	Time	Location & Activities
Oct. 17 (Wed)	9:00-21:00	Lobby, Jingbin Building (No. 2) of Beijing Friendship Hotel. **Registration**
Oct. 18 (Thu)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** Opening Speech by Prof. Yunyu SHI BCEIA 2007 General Plenary Session Presiding: Prof. Yunyu SHI E1, B1, G1, H1
	PM	BCEIA 2007 Exhibition Visit Location: Beijing Exhibition Center
Oct. 19 (Fri)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** BCEIA 2007 General Plenary Session Presiding: Prof. Erkang WANG C1, A1, F1, D1
	(Oral lectures) Room No. 101-102 of Meeting Hall	**(Posters)** The corridor outside the Room No. 101-102 of Meeting Hall A33-A42
	PM	Oral presentation A2-A10
Oct. 20 (Sat)	AM	Oral presentation A11-A17
	PM	Oral presentation A18, A19, A20, A21, A22, A23, A24, A25, A26, A27
Oct. 21 (Sun)	AM	Oral presentation A28, A29, A30, A31, A32, A43, A44
	PM	Conference Closed

AGENDA OF SESSIONS

B. MASS SPECTROMETRY

Date	Time	Location & Activities	
Oct. 17 (Wed)	9:00-21:00	Lobby, Jingbin Building (No. 2) of Beijing Friendship Hotel **Registration**	
Oct. 18 (Thu)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** Opening Speech by Prof. Yunyu SHI BCEIA 2007 General Plenary Session Presiding: Prof. Yunyu SHI E1, B1, G1, H1	
	PM	BCEIA 2007 Exhibition Visit Location: Beijing Exhibition Center	
Oct. 19 (Fri)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** BCEIA 2007 General Plenary Session Presiding: Prof. Erkang WANG C1, A1, F1, D1	
	(Oral lectures) Room No. 104-105 of Meeting Hall		
	PM	Oral presentation B2, B3, B4, B5, B6, B7, B8, B9, B10	
Oct. 20 (Sat)	AM	Oral presentation B11, B12, B13, B14, B15, B16, B17, B18	
	PM	Oral presentation B19, B20, B21, B22, B49, B23, B24, B25, B26	**(Posters)** The corridor outside Room No. 101-102 of Meeting Hall 5:20-6:00
Oct. 21 (Sun)	AM	**(Posters)** Corridor outside Room No.101-102 of Meeting Hall 8:30-10:00	
	PM	Conference Closed	

AGENDA OF SESSIONS

C. SPECTROSCOPY

Date	Time	Location & Activities	
Oct. 17 (Wed)	9:00-21:00	Lobby, Jingbin Building (No. 2) of Beijing Friendship Hotel **Registration**	
Oct. 18 (Thu)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** Opening Speech by Prof. Yunyu SHI BCEIA 2007 General Plenary Session Presiding: Prof. Yunyu SHI E1, B1, G1, H1	
	PM	BCEIA 2007 Exhibition Visit Location: Beijing Exhibition Center	
Oct. 19 (Fri)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** BCEIA 2007 General Plenary Session Presiding: Prof. Erkang WANG C1, A1, F1, D1	
	(Oral lectures) Room No. 2-3, 2nd floor of Friendship Palace		**(Posters)** The corridor outside Room No. 2-3, 2nd floor of Friendship Palace
	PM	Oral presentation C2, C3, C4, C5, C6	C18-C36
Oct. 20 (Sat)	AM	Oral presentation C7, C8, C9, C10, C11	
	PM	Oral presentation C12, C13, C14, C15, C16 Conference Closed	

AGENDA OF SESSIONS

D. CHROMATOGRAPHY

Date	Time	Location & Activities	
Oct.17 (Wed)	9:00-21:00	Lobby, Jingbin Building (No. 2) of Beijing Friendship Hotel. **Registration**	
Oct. 18 (Thu)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** Opening Speech by Prof. Yunyu SHI BCEIA 2007 General Plenary Session Presiding: Prof. Yunyu SHI E1, B1, G1, H1	
	PM	BCEIA 2007 Exhibition Visit Location: Beijing Exhibition Center	
Oct. 19 (Fri)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** BCEIA 2007 General Plenary Session Presiding: Prof. Erkang WANG C1, A1, F1, D1	
	(Oral lectures) Room No. 202-203 of Meeting Hall		**(Posters)** The corridor outside Room No. 202-203 of Meeting Hall D25-D31
	PM	Oral presentation D2. D3. D4. D5. D6. D7.D8.	
Oct. 20 (Sat)	AM	Oral presentation D9. D10. D11. D12. D13. D14. D15. D16	
	PM	Oral presentation D17. D18. D19. D20	
Oct. 21 (Sun)	AM	Oral presentation D21. D22. D23. D24	
	PM	Conference Closed	

AGENDA OF SESSIONS

E. MAGNETIC RESONANCE

Date	Time	Location & Activities	
Oct. 17 (Wed)	9:00-21:00	Lobby, Jingbin Building (No. 2) of Beijing Friendship Hotel **Registration**	
Oct. 18 (Thu)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** Opening Speech by Prof. Yunyu SHI BCEIA 2007 General Plenary Session Presiding: Prof. Yunyu SHI E1, B1, G1, H1	
	PM	BCEIA 2007 Exhibition Visit Location: Beijing Exhibition Center	
Oct. 19 (Fri)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** BCEIA2007 General Plenary Session Presiding: Prof. Erkang WANG C1, A1, F1, D1	
	PM	BCEIA 2007 Exhibition Visit Location: Beijing Exhibition Center	
Oct. 20 (Sat)	**(Oral lectures)** Room No. 1, 2nd floor of Friendship Palace		
	AM	Oral presentation E2, E3, E4, E5, E6, E7,	
	PM	Oral presentation E8, E9, E10, E11	**(Posters)** The corridor outside Room No. 1, 2nd floor of Friendship Palace E19-E38
Oct. 21 (Sun)	AM	Oral presentation E12, E13, E14, E15, E16	
	PM	Conference Closed	

AGENDA OF SESSIONS

F. ELECTROANALYTICAL CHEMISTRY

Date	Time	Location & Activities
Oct. 17 (Wed)	9:00-21:00	Lobby, Jingbin Building (No. 2) of Beijing Friendship Hotel **Registration**
Oct. 18 (Thu)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** Opening Speech by Prof. Yunyu SHI BCEIA 2007 General Plenary Session Presiding: Prof. Yunyu SHI E1, B1, G1, H1
	PM	BCEIA 2007 Exhibition Visit Location: Beijing Exhibition Center
Oct. 19 (Fri)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** BCEIA 2007 General Plenary Session Presiding: Prof. Erkang WANG C1, A1, F1, D1
	(Oral lectures) The Meeting Hall, 2nd floor of Friendship Palace	**(Posters)** The corridor outside the Meeting Hall, 2nd floor of Friendship Palace F42-F67
	PM	Oral presentation F2.F3.F4.F5.F6.F7.F8.F9
Oct. 20 (Sat)	AM	Oral presentation F10,F11.F12,F13,F14,F15, F16.F17
	PM	Oral presentation F18, F19, F20, F21, F22, F23, F24, F25
Oct. 21 (Sun)	AM	Oral presentation F26, F27, 28, F29, F30, F31, F32, F33
	PM	Oral presentation F34, F35, F36, F37, F38, F39, F40, F41 Conference Closed

AGENDA OF SESSIONS

G. LIFE SCIENCE

Date	Time	Location & Activities	
Oct. 17 (Wed)	9:00-21:00	Lobby, Jingbin Building (No. 2) of Beijing Friendship Hotel **Registration**	
Oct. 18 (Thu)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** Opening Speech by Prof. Yunyu SHI BCEIA 2007 General Plenary Session Presiding: Prof. Yunyu SHI E1, B1, G1, H1	
	PM	BCEIA 2007 Exhibition Visit Location: Beijing Exhibition Center	
Oct. 19 (Fri)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** BCEIA 2007 General Plenary Session Presiding: Prof. Erkang WANG C1, A1, F1, D1	
	(Oral lectures) Room No. 4, 2nd floor of Friendship Palace		**(Posters)** The corridor outside Room No. 4, 2nd floor of Friendship Palace G24-G39
	PM	Oral presentation G2, G3, G4, G5, G6, G7	
Oct. 20 (Sat)	AM	Oral presentation G8, G9, G10, G11, G12	
	PM	Oral presentation G13, G14, G15, G16, G17, G18	
Oct. 21 (Sun)	AM	Oral presentation G19, G20, G21, G22, G23	
	PM	Conference Closed	

AGENDA OF SESSIONS

H. ENVIRONMENTAL ANALYSIS

Date	Time	Location & Activities	
Oct.17 (Wed)	9:00-21:00	Lobby, Jingbin Building (No. 2) of Beijing Friendship Hotel **Registration**	
Oct.18 (Thu)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** Opening Speech by Prof. Yunyu SHI BCEIA 2007 General Plenary Session Presiding: Prof. Yunyu SHI E1, B1, G1, H1	
	PM	BCEIA 2007 Exhibition Visit Location: Beijing Exhibition Center	
Oct.19 (Fri)	AM	**The Report Hall of Meeting Hall in Friendship Hotel** BCEIA 2007 General Plenary Session Presiding: Prof. Erkang WANG C1, A1, F1, D1	
	(Oral lectures) Room No. 5-6, 2nd floor of Friendship Palace		
	PM	Oral presentation H53, H2, H3, H4, H5	**(Posters)** The corridor outside Room No. 5-6, 2nd floor of Friendship Palace H20-H49, H51, H52
Oct.20 (Sat)	AM	Oral presentation H6, H7, H8 , H9 , H10, H11, H12	
	PM	Oral presentation H13, H14, H15, H16, H17, H18, H19 Conference Closed	

SCHEDULE OF SESSIONS
ELECTRON MICROSCOPY AND MATERIAL SCIENCES
CHAIRMAN: Xiaodong HAN

ORAL LECTURES

Time: Oct. 19, 2007 PM (Friday)
Site: Room No. 101-102 of Meeting Hall
Chair: Prof. Ze ZHANG

1:25		**Ze ZHANG: Opening of Session A**
1: 30	A2	ELECTRON MICROSCOPY IN RELAXOR FERROELECTRIC MATERIALS **Jing ZHU** (Keynote) Tsinghua University, CHINA
2:00	A3	ELECRON MICROSCOPY STUDY OF THE TRANSFORMATION OF ORDERED FCT θ-MNNI PHASE TO FCC AUSTENITE **Hu-Chul LEE** (Keynote) Seoul National University, KOREA
2:30	A4	EXAMINATION OF FROZEN HYDRATED SPECIMENS USING CRYO-ELECTRON MICROSCOPY **Marilyn Carey** Gatan UK, USA
2:50	A5	MICROSTRUCTURE OF NON-POLAR (1120) AND SEMI-POLAR (1126) GaN FILMS GROWN ON R-PLANE SAPPHIRE BY MBE **Lin ZHOU** Arizona State University, AND Boston University, USA
3:10-3:30		**Coffee break**

Chair: Prof. Akira SAKAI

3:30	A6	INVERSE NANOSTRUCTUATION IN COMPLEX METALLIC ALLOYS **Jean-Marie DUBOIS** (Keynote) Institut Jean Lamour (FR2797 CNRS-INPL-UHP), Ecole des Mines, Parc de Saurupt, FRANCE
4:00	A7	TEM EXAMINATION OF BORON NITRIDE NANOTUBES WITH THE GEOMETRY OF ARCHIMEDES SPIRALS **Fangfang XU** Institute of Physics, Chinese Academy of Sciences, CHINA
4:20	A8	STUDY OF FRACTURE TOUGHNESS OF DUPLEX STAINLESS STEEL SAF2205 USING ANALYTICAL TRANSMISSION ELECTRON MICROSCOPY (ATEM) **Ping LIU** Sandvik Materials Technology, SWEDEN

4:40	A9	CONTROLLING MORPHOLOGY OF THE TIPS OF ZnO NANOWIRES **Ge XU** Institute of Metal Research, Chinese Academy of Sciences, CHINA
5:10	A10	STRUCTRAL INVESTIGATION OF ZSM-5 BY HREM **Houwen CHEN** University of Science and Technology Beijing, CHINA

Time: Oct. 20, 2007 AM (Saturday)
Site: Room No. 101-102 of Meeting Hall
Chair: Prof. Hu-Chul LEE

8: 30	A11	HIGH BIAS BREAKDOWN OF ATOMIC AND MOLECULAR CONTACTS **Akira SAKAI** (Keynote) Kyoto University International Innovation Center, JAPAN
9:00	A12	MANIPULATING THE KONDO RESONACE ON SINGLE MOLECULAR SCALE **Qikun XUE** (Keynote) Tsinghua University, CHINA
9:30	A13	APPLICATION OF ATOM PROB TOMOGRAPHY IN CHARACTERIZATION OF THIN-FILM MULTILAYER STUCTURES: THE FORMATION MECHANISM OF ALUMINUM OXIDE TUNNEL BARRIERS **Jun WENG** Imago Scientific Instruments Corporation, USA
9:50 -10:10		**Coffee break**

Chair: Prof. Jing Zhu

10:10	A14	NOVEL INTEGRATION OF WEDGE POLISHING WITH CHEMICAL-MECHANICAL POLISHING (CMP) FOR THE PREPARATION OF HIGH-QUALITY TEM SPECIMENS OF ALUMINIUM AND ITS ALLOY **Vick Xingjian GUO** National Institute for Materials Science (NIMS), JAPAN
10:30	A15	MICROSTRUCTURES OF OXYGEN DEFICIENT LA0.9SR0.1MNO3-δ LAYERS IN SUPERLATTICE FILMS **Mujin ZHUO** Institute of Metal Research, Chinese Academy of Sciences, CHINA

10:50 A16 OBSERVATION OF 3-D ORDERED MACROPOROUS CARBON BY SEM
Weiya YANG
China University of Petroleum, CHINA

11:10 A17 STUDY ON ATOMIC CONFIGURATION OF STACKING FAULT IN 3C-SiC BY HREM
Cai WEN
Institute of Physics, Chinese Academy of Sciences, CHINA

Time: Oct. 20, 2007 PM (Saturday)
Site: Room No. 101-102 of Meeting Hall
Chair: Prof. Wolfgang Jäger

1:30 A18 DEFORMATION MECHANISM OF MARTENSITE IN TI-RICH TI-NI SHAPE MEMORY ALLOY THIN FILMS
Liancheng ZHAO (Keynote)
Harbin Institute of Technology, China

2:00 A19 CONDUCTING ATOMIC SCALE NANO-MECHANICS BY IN SITU TEM
Ze ZHANG (Keynote)
Beijing University of Technology, USA

2:30 A20 DNA-TEM:ATED SYNTHESIS OF DNA-CDS NANOCONJUGATES WITH SPECIFIC FLUORESCENT PROPERTIES
Jianxiu WANG
Central South University, CHINA

2:50 A21 V-DEFECT IN InGaN/AlGaN MULTI-QUANTUM-WELLS HETEROSTRUCTURE
Pengfei YAN
Institute of Metal Research, Chinese Academy of Sciences, CHINA

3:10 – 3:30 **Coffee break**

Chair: Qikun XUE

3:40 A22 TOWARDS ATOMIC RESOLUTION ELECTRON TOMOGRAPHY
Dirk Van Dyck (Keynote)
University of Antwerp, BELGIUM

4:10 A23 TEM INVESTIGATION OF AN ORDERED INTERGRANULAR PHASE OF Y-DOPED BATIO3
Shijian ZHENG
Institute of Metal Research, Chinese Academy of Sciences, CHINA

4:30	A24	DISPLACIVE-DIFFUSIONAL TRANSFORMATION OF Θ-MNNI INTERMETALLIC PHASE TO AUSTENITE IN AN FE-MN-NI ALLOY **Hu-Chul LEE** Seoul National University, KOREA
4:50	A25	ATOMIC CONFIGURATION OF TWIN BOUNDARY IN SUPERCONDUCTOR Y0.6Na0.4Ba2Cu2.7Zn0.3O7-δ **Wei WAN** Institute of Physics, Chinese Academy of Sciences, CHINA
5:10	A26	STRUCTURE AND STABILITY OF TB3N@C84: THAT VIOLATES THE ISOLATED-PENTAGON RULE **Zhuxia ZHANG** National Institute for Materials Science (NIMS),JAPAN
5:30	A27	THE INTERCONNECTION OF Si/SiO2 NANOCABLES **Zhiqi SHEN** Institute of Metal Research, Chinese Academy of Sciences, CHINA

Time: Oct. 21, 2007 AM (Sunday)
Site: Room No. 101-102 of Meeting Hall
Chair: Liancheng ZHAO

8:30	A28	QUANTITATIVE HIGH-SESOLUTION TEM FOR ADVANCED MATERIALS SCIENCE **Wolfgang Jäger** (Keynote) Microanalysis of Materials Christian-Albrechts-University, GERMANY
9:00	A29	CONTROLLED ENGINEERING OF NANOSTRUCTURES WITH NEAR ATOMIC PRECISON AND THEIR PROPERTIES **Lianmao PENG** (Keynote) Peking University, CHINA
9:30	A30	TRANSMISSION ELECTRON MICROSCOPY OF COMPLEX METALLIC ALLOYS **Valérie DEMANGE** Nancy-Université, and Institut Jean Lamour (FR2797 CNRS-INPL-UHP), Parc de Saurupt, FRANCE
9:50-10:10		**Coffee break**

Chair: Liannmao PENG

10:10	A43	**Scott MAO** (Keynote)
10:40	A44	**ChunHua YAN** (Keynote)
11:10	A31	STUDY OF SUPERSTRUCTURE II IN MULTIFERROIC BiMnO3 BY IMAGE DECONVOLUTION **Binghui GE** Institute of Physics, Chinese Academy of Sciences, CHINA

11:30	A32	THE INVESTIGATION OF INCOMMENSURATE STRUCTURE MODULATION IN Bi2.1Sr1.9CuO6+δ BY IMAGE DECONVOLUTION **Xueming LI** Institute of Physics, Chinese Academy of Sciences, CHINA
11:50		Closing remarks by Ze ZHANG

POSTER SESSION

Site: The corridor outside the Room No. 101-102 of Meeting Hall

A33 SYNTESIS OF ONION-LIKE FULLERENCES INTERCALATION COMPOUNDS BY VACUUM HEAT-TREATMENT
Yan ZHANG, Xuguang LIU, Bingshe XU

A34 NANOCRYSTALLIZATION IN AZ91D MAGNESIUM ALLOY VIA SURFACE MECHANICAL ATTRITION TREATMENT
Lifeng HOU, Yinghui WEI, Baosheng LIU, and Bingshe XU

A35 Y-BRANCHED NANO CARBON MATERIAL SYNTHESIZED FROM DEOILED ASPHALT BY CVD
Weiyun JI, Xuguang LIU, Yongzhen YANG, Hongyan LIU, Chunyi ZHANG and Bingshe XU

A36 ANALYZING HOMOGENEOUS CARBON PARTICLES SYNTHESIZED ON ZEOLITE
Xiaomin WANG, Yanli YAO, Junjie GUO, Bingshe XU

A37 DIRECT EVIDENCE OF GRAIN ROTATION IN NANOCRYSTALLINE NICKEL
Yanbo WANG, Manling SUI

A38 LOW TEMPERATURE SYNTHESIS OF ONION-LIKE FULLERENES BY CHEMICAL VAPOR DEPOSITION
Cunjing WANG, Yongzhen YANG, Xingmei GUO, Hairong Wen, Xuguang, LIU and Bingshe XU

A39 CRYSTAL DEFECTS IN ELECTRODEPOSITED AND NANOSTRUCTURED NICKLE
Feng YANG, Wenhuai TIAN, Junjie SHEN, Chuanchao FENG, Lei WANG, Chengchang JIA

A40 FORMATION OF ONION-LIKE FULLERENES IN DEIONIZED WATER BY ARC DISCHARGE
Yanli YAO, Junjie GUO, Xiaomin WANG, Xiaowei YANG, Aili MA, Bingshe XU

A41 MICROSTRUCTURAL CHARACTERIZATION OF EPITAXIAL LATERAL OVERGROWN (1102) SEMI-POLAR GaN ON (1010) M-PLANE SAPPHIRE
Lin ZHOU, David J. SMITH, X. NI, Ü. Özgür, A. A. BASKI, and H. MORKOC

A42 THE EFFECT OF REACTION TEMPERATURE ON CARBON MATERIALS FORM DEOILED ASPHALT
Chunyi ZHANG, Yongzhen YANG, Qiuping LUO, Weiyun JI, Xuguang LIU and Bingshe XU

SCHEDULE OF SESSIONS
MASS SPECTROMETRY
CHAIRMAN: Zeper ABLIZ

ORAL LECTURES

Time: Oct. 19. 2007 PM (Friday)
Site: Room No. 104-105 of Meeting Hall
Chair: Prof. Shuying LIU and Prof. Renato ZENOBI

1:30	B2	A NOVEL NEUTRAL DESORPTION/EXTRACTIVE ELECTROSPRAY IONIZATION MASS SPECTROMETRIC METHOD FOR RAPID DIFFERENTIATION OF BIOSAMPLES **Renato ZENOBI** (keynote) ETH Zurich, SWITZERLAND
2:00	B3	DESORPTION CHEMICAL IONIZATION MASS SPECTROMETRY USING AMBIENTWATER AS THE REACTIVE REAGENT FOR DIRECT SURFACE ANALYSIS **Huanwen CHEN** East China Institute of Technology, CHINA
2:20	B4	EXTRACTIVE ELECTROSPRAY IONIZATION TANDEM MASS SPECTROMETRY FOR IN VIVO ANALYSIS OF HUMAN BREATH **Jianhua DING** East China Institute of Technology, CHINA
2:40	B5	DEVELOPMENT OF IMPROVED LC-MS TECHNIQUES FOR COMPREHENSIVE PROTEOME AND METABOLOME ANALYSIS **Liang LI** (keynote) University of Alberta, CANADA
3:10-3:20		**Coffee Break**
3:20	B6	THEORY AND PRACTICE OF THE ORBITRAP MASS ANALYZER **Alexander A. MAKAROV** (keynote) Thermo Electron, GERMANY
3:50	B7	ONLINE COUPLING OF ELECTROCAPTURE USING A MULTIPLE MEMBRANE SECTION ELECTROSPRAY MEMBRANE PROBE INTERFACED TO TIME-OF-FLIGHT MASS SPECTROMETRY **Shida SHEN** Analytica of Branford, Inc., USA

4:10	B8	USING AN ELECTROSPRAY MEMBRANE PROBE TO ENHANCE ELECTROSPRAY MS PERFORMANCE **Craig M. WHITEHOUSE** Analytica of Branford, Inc., USA
4:30	B9	AN AUTOSAMPLER EQUIPPED WITH AN ULTRASONIC CLEANING DEVICE FOR HPLC AND LC-MS WITH ULTIMATELY REDUCED CARRYOVER **Osamu SHIROTA** Shiseido Research Center, JAPAN
4:50	B10	MINIATURE AMBIENT MASS SPECTROMETRY **Zheng OUYANG** (keynote) Purdue University, USA

Time: Oct. 20, 2007 AM (Saturday)
Site: Room No. 104-105 of Meeting Hall
Chair: Prof. Liang LI and Prof. Motian ZHAO

8:30	B11	DESIGNING METAL COMPLEXES FOR STRUCTURAL ANALYSIS OF BIOMOLECULES VIA CID AND ECD **Richard A. J.O' HAIR** (keynote) University of Melbourne, AUSTRALIA
9:00	B12	NEW SAMPLE PREPARATION AND DATA ANALYSIS METHOD FOR ANALYZING 260 PESTICIDES **Chinkai MENG** Agilent Technologies, USA
9:20	B13	SCREENING, CONFIRMATION AND QUANTIFICATION OF HORMONES IN FOOD BY A LC/TOF AND LC/MS/MS METHOD **Yanyan FANG** Agilent Technologies (Shanghai), CHINA
9:40	B14	LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY IN PHARMACOKINETIC STUDIES **Dafang ZHONG** (keynote) Shanghai Institute of Materia Medica, Chinese Academy of Sciences, CHINA
10:10-10:20		**Coffee Break**
10:20	B15	THE APPLICATION OF INORGANIC MASS SPECTROMETRY IN THE CHEMICAL METROLOGY **Jun WANG** (keynote) National Institute of Metrology, CHINA
10:50	B16	ELEMENTAL ANALYSIS BY HR-ICP-MS WITH UNIQUE RAPID SCANNING CAPABILITIES **John CANTLE** Nu Instruments Ltd., U.K.

11:10	B17	10-YEAR EXPERIENCE ON ICP-MS APPLICATIONS AT BRIUG **Dongfa GUO** Beijing Research Institute of Uranium Geology, CHINA
11:30	B18	LASER ABLATION INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY (LA-ICP-MS):PAST, PRESENT AND FUTURE **Zhongxing CHEN** (keynote) Harvard University, USA

Time: Oct. 20, 2007 PM (Saturday)
Site: Room No. 104-105 of Meeting Hall
Chair: Prof. Richard A. J.O' HAIR and Dr. Shida SHEN

1:30	B19	DEVELOPMENT OF MASS MICROSCOPE **Mitsutoshi SETOU** (keynote) National Institute for Physiological Science, JAPAN
2:00	B20	MASS SPECTROMETRY OF DERIVATIVES **Anzor MIKAIA** National Institute of Standards & Technology, USA
2:20	B21	NOVEL DERIVATIZATION STRATEGIES IN GLYCOMICS **Xin LIU** National Research Council Canada, CANADA
2:40	B22	USES OF MASS SPECTROMETRY IN PROTEOMICS: FROM PRIMARY SEQUENCE TO QUATERNARY PROTEIN STRUCTURE ANALYSIS AND QUANTITATION **David R. GOODIETT** (keynote) University of Washington, USA
3:10-3:20		**Coffee Break**
3:20	B49	DEVELOPMENT OF MASS SPECTROMETER IN CHINA **Xiang FANG** (keynote) National Institute of Metrology, CHINA
3:50	B23	CHARACTERIZATION OF OLIGSACCHARIDESO AND PHENOLID ACIDS IN THE CHINESE HERB TANSHEN BY ESI-FT ICR MS **Huilin LI** Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, CHINA

4:10 B24 STUDY OF THE INTERMOLECULAR DNA TRIPLEXES BY ELECTROSPRAY IONIZATION FOURIER TRANSFORM ION CYCIOTRON RESONANCE MASS SPECTROMETRY
Cuihong WAN
Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, CHINA

4:30 B25 RAPID AND EFFICIENT MASS SPECTROMETRIC METHOD FOR THE ANALYSIS OF BIOACTIVE SUBSTANCES IN HERBAL MEDICINES
Ruiping ZHANG
Chinese Academy of Medical Sciences and Peking Union Medical College, CHINA

4:50 B26 HIGH THROUGHPUT DRUG DISCOVERY ANALYSIS USING ULTRA FAST SCANNING RAPID RESOLUTION LC/MS WITH SIMULTANEOUS ESI/APCI
Wayne P. Duncan,
Agilent Technologies, USA

POSTER SESSION

Time: Oct. 20, 2007 PM (Saturday) 5:20—6:00
Oct. 21, 2007 AM (Sunday) 8:30—10:00

Site: The corridor outside Room No. 101-102 of Meeting Hall

B27 COMPARISON OF TWO EXTRACTION METHODS FOR THE CHEMICAL CONSTITUENTS OF *LINDERA COMMUNIS HEMSL*
Dongyan HOU, Ruihua HUI, Tiechun LI and Xiaoyuan LIOU

B28 DETERMINATION OF 15 MICRO RARE EARTH ELEMENTS IN LUNG AND KIDNEY FOR CHINESE ADULT MAN BY ICP-MS
Husheng LIU[1], Hongda ZHU[2], Xiaoyan WANG[1], Naifen WANG[1], Jingyu WANG[1]

B29 STOICHIOMETRY AND STRUCTURE OF THE ANTI-HIV DNA QUADRUPLEXES ANALYZED BY ELECTROSPRAY IONIZATION AND CIRCULAR DICHROISM TECHNIQUES
Xinhua GUO, Cuihong WAN, Zhiqiang LIU, Shuying LIU*

B30 SIMS INVESTIGATION ON GRAPHITE OXIDE MATERIALS
Xinqi CHEN[1], Sungjin PARK[2], Rodney S. RUOFF[2]

B31 DETERMINATION OF TWENTY ELEMENTS IN THREE KINDS OF EDIBLE CHINESE TRADITIONAL MEDICINE BY MICROWAVE-ASSISTED DIGESTION WITH AAS AND ICP-MS
Yi ZHANG, Zigang XU, Mirao TANG

B32 IDENTIFICATION OF SHORT OLIGODEOXYNULEOTIDE ADDUCTS OF METHYLGLYOXAL BY LC-MS/MS
Guangxin LIN, Congfang LAI, Hai LUO

B33 SYNTHESIS AND CHARACTERIZATION OF N^2-(1-CARBOXYETHYL)-GUANOSINE AND N^2-CARBOXYMETHYL-GUANOSINE AS AUTHENTIC ADVANCED GLYCATION END PRODUCTS OF GUANOSINE
Guangxin LIN, Songlin WANG, Hai LUO

B34 CHARACTERIZE OF GUANOSINE-METHYLGLYOXAL BIS-ADDUCTS USING O^{16}/O^{18} EXCHANAGE AND TANDEM MASS SPECTROMETRY
Congfang LAI, Guangxin LIN, Wenyue WANG, Hai LUO

B35 SYNTHESIS, SEPARATION AND STRUCTURE CHARACTERIZATION OF CYTIDINE ADDUCTS WITH GLYOXAL/METHYLGLYOXAL
Yang KANG; Zhi ZHAO; Congfang LAI; Hai LUO

B36 DESORPTION ELECTROSPRAY IONIZATION MASS SPECTROMETRY FOR INVESTIGATION OF SELF-AGGREGATION OF NUCLEOBASES
Bo QIU, Zhen XUE, Guanbo WANG, Hai LUO

B37 ESI-MS^n OF N-HYDROXYMETHYL-3-(DIALKYLPHOSPHONO) PROPIONAMIDE
Yong YE[1,3], Shangbin ZHONG[1], Xiaolian HU[1], Junliang YANG[1], Zhiyu JU[1], Erbing YANG[1], Xincheng LIAO[1], Yufen ZHAO[1,3]

B38 3-HYDROXYQUINOLINE AS A NEW MATRIX FOR MATRIX-ASSISTED LASER DESORPTION/IONIZATION TIME-OF-FLIGHT MASS SPECTROMETRY OF DNA
Lihua ZHOU[1,2], Qinying DENG[2], Shankai ZHAO, Huimin DENG[1]

B39 ESTIMATIONN OF BINDING CONSTANTS FOR COMPLEXES OF PROTOBERBERINE ALKALOIDS AND DOUBLE-STRANDED DNA BY ELECTROSPRAY IONIZATION MASS SPECTROMETRY
Zhaofu WANG[1,2], Zhiqiang LIU[1], Lin LU[1], Fengrui SONG[1] and Shuying LIU[1]

B40 PRODUCTIVE PESTICIDE ANALYSIS BY GC/MS USING CAPILLARY FLOW TECHNOLOGY: SIMULTANEOUS MULTI-SIGNAL DETECTION AND BACKFLUSHING
Wei LUAN[1], Jie ZHAO[2], Chin-Kai MENG[3]

B41 INVESTIGATION OF CRUDE TUBER OF ACONITUM CARMIECHAELI BY ESI-MS^n
Hao YUE[1,2], Zifeng PI[1], Fengrui SONG[1], Zhiqiang LIU[1] and Shuying LIU[1]

B42 SECRETOMIC PROFILING OF PANCREATIC CELL LINES USING ITRAQ™
Haijing ZHANG

B43 A STUDY OF DISULFIDE-BONDED PEPTIDES USING MATRIX-ASSISTED LASER DESORPTION/IONIZATION MASS SPECTROMETRY
Xiaoyan QIU[1,2], Meng CUI[1], Fengrui SONG[1], Zhiqiang LIU[1] and Shuying LIU[1]

B44 DIFFERENTIATION OF LIGNAN ISOMERS FROM SCHISANDRA CHINENSIS (TURCZ.) BAILL. FRUITS BY HPLC-ESI-MS^n
Xin HUANG[1,2], Fengrui SONG[1], Zhiqiang LIU[1] and Shuying LIU[1]

B45 STUDIES OF RESIDUES OF 6 ORGANOPHOSPHORUS PESTICIDES BY DESORPTION ELECTROSPRAY IONIZATION MASS SPECTROMETRY IN APPLES
Hao HAN, Xinzhong ZHANG, Chongjiu LI, Xiaodong MA

B46 A LABEL FREE QUANTITATIVE PROTEOMIC STRATEGY AND ITS APPLICATION IN BIOMARKER DISCOVERY BASED ON LC-ESI-MS/MS
Ming CHEN, Wantao YING, Xiaohong QIAN

B47 A NOVEL SAMPLE PREPARATION METHOD OF MATRIX-ASSISTED LASER DESORPTION/IONIZATION TIME OF FLIGHT MASS SPECTROMETRY FOR POLYSTYRENE
Shu ZHANG, Zhenwen ZHAO, Lei XIONG, Bin XIN, Weihua HU and Shaoxiang XIONG

B48 EXTRACTIVE ELECTROSPRAY IONIZATION MASS SPECTROMETRY FOR GAS PHASE URANIUM CHEMISTRY
Mingbiao LUO[1], Xie ZHANG[1], Bin HU[1], Huanwen CHEN[1,2]

SCHEDULE OF SESSIONS
SPECTROSCOPY
CHAIRMAN: Prof. Xinrong ZHANG

ORAL LECTURES
Time: Oct. 19, 2007 PM (Friday)
Site: Room No. 2-3, 2nd floor of Friendship Palace

Chair:		**Prof. Qiuquan WANG & Prof. Xiandeng HOU**
1:00	C2	DEVELOPMENT OF SRM 2669, ARSENIC SPECIES IN FROZEN HUMAN URINE **Lee L. YU** (keynote) National Institute of Standards and Technology, USA
1:30	C3	A LAB-ON-VALVE MINIATURE ATOMIC FLUORESCENCE SPECTROMETRIC SYSTEM FOR MERCURY DETERMINATION **Jianhua WANG** (keynote) Northeastern University, CHINA
2:00 ~ 2:30		**Coffee Break & Poster Session**
Chair:		**Prof. Lee L. YU & Prof. Jianhua WANG**
2:30	C4	SEC-ICPMS and ESI-MS/MS FOR EVALUATION OF THE BIOCHEMICAL RESPOND OF PLANTS TO HEAVY METAL STRESS **Qiuquan WANG** (keynote) Xiamen University, CHINA
3:00	C5	ELECTROMAGNETIC RADIATION INDUCED CHEMICAL VAPOR GENERATION FOR ATOMIC SPECTROMETRY **Xiandeng HOU** (keynote) Sichuan University, CHINA
3:30	C6	DETECTION OF MULTIPLE PROTEINS ON ONE SPOT BY LASER ABLATION INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY AND APPLICATION TO IMMUNO-MICROARRAY WITH ELEMENT-TAGGED ANTIBODIES **Shenghong HU** China University of Geosciences, CHINA

Time: Oct. 20, 2007 AM-PM (Saturday)
Site: Room No. 2-3, 2nd floor of Friendship Palace

Chair:		**Prof. Norio TERAMAE**
8:30	C7	NEW FORMATS OF MULTIPLEXED WHOLE-CELL BIOLUMINESCENT BIOSENSORS IN LIFE SCIENCES **Aldo RODA** (keynote) University of Bologna, ITALY

9：00	C8	Multiplex detection methodologies for cell surface marker assessment **Joseph IRUDAYARAJ** Purdue University, USA
9:30	C9	INFLUENCE OF PP-g-MAH ON PP/PA6 BLEND WITH ATR-FTIR IMAGING **Pudun ZHANG** Beijing University of Chemical Technology, CHINA
9:50-10:20		**Coffee Break & Poster Session**
Chair:		**Prof. Aldo RODA**
10:20	C10	FLUORESCENCE AND SPR DETECTION OF SNPS BASED ON A DNA DUPLEX CONTAINING AN ABASIC SITE **Norio TERAMAE** (keynote) Tohoku University, JAPAN
10:50	C11	CHARACTERIZATION OF WATER-SOLUBLE LUMINESCENT QUANTUM DOTS BY SINGLE MOLECULE METHODS **Jicun REN** (keynote) Shanghai Jiaotong University, CHINA
11:20	C12	A MODEL FRET SYSTEM BASED ON TWO-PHOTON EXCITATION **Zhihong LIU** Wuhan University, CHINA
Chair		**Prof. Hidetoshi ARAKAWA**
1:30	C13	DEVELOPMENT OF DNA ANALYSIS BY BIOLUMINESCENT PYROPHOSPHATE ASSAY **Hidetoshi ARAKAWA** (keynote) Showa University, JAPAN
2:00	C14	APPLICATION OF ARTIFICIAL NEURAL NETWORKS TO IDENTIFYING HERBAL MEDICINAL RHUBARBS **Zhuoyong ZHANG** Capital Normal University, CHINA
2:20	C15	A SIMPLE DEVICE FOR PARALLEL MEASUREMENTS OF SURFACE TENSIONS OF ORGANIC SOLVENTS **Jiangjiang LIU** Tsinghua University, CHINA
2:40–3:10		**Coffee Break & Poster Session**
Chair		**Dr. Guillaume REVILLOD**
3:10	C16	MICROSCOPIC STRUCTURE OF ROOM TEMPERATURE IONIC LIQUIDS STUDIED BY HYPER RAYLEIGH SCATTERING **Guillaume REVILLOD** Kyoto University, JAPAN

3:40	C17	DETERMINATION OF CARBOHYDRATE ANTIGEN 50 IN HUMAN SERUM USING MAGNETIC PARTICLE-BASED CHEMILUMINESCENCE ENZYME IMMUNOASSAY **Xu WANG** Tsinghua University, CHINA
4:00	C18	CHEMILUMINESCENT DETECTION OF CHLORINE IN GAS ON A MICROFLUIDIC CHIP **Zhaoxin GAO** Tsinghua University, CHINA

POSTER SESSION

Site: The corridor outside Room No. 2-3, 2nd floor of Friendship Palace

C19	STUDIES ON THE CONTENT OF TOTAL FLAVONES AND ANTIOXIDANT CAPACITY IN HERBA ARTEMISIAE SCOPARIAE Ruihua HUI
C20	AAS AND ICP-MS FOR THE DETECTION OF THE ELEMENTS IN EDIBLE CHINESE TRADITIONAL MEDICINE Yi ZHANG
C21	ELECTRON-STATIC INTERACTIONS IN AU/CDTE NANO-ASSEMBLES Dongzhi YANG
C22	L-CYSTEINE-CAPPED CDTE QUANTUM DOTS AS FLUORESCENT ION PROBES FOR TRACE AMOUNTS OF HG(II) Mengying LI
C23	FT-IR STUDY ON THE ACIDITY OF METALS/USY Shuhua ZHANG
C24	HIGH CONCENTRATION SUSPENSION OF SIC FOR THE DETERMINATION OF ULTRA TRACE IMPURITIES BY ICP-OES Zheng WANG
C25	BIO-REACTOR BASED ON THE ORDERED MESOPOROUS SILICA WITHIN A POROUS ALUMINA MEMBRANE Wensheng FU
C26	FTIR MICROSCOPIC IMAGING IN MISCIBILITY STUDY OF THE EVA HOT MELT ADHESIVE Pudun ZHANG
C27	IN SITU DRIFTS STUDIES OF CO ADSORPTION ON NICKEL PHOSPHIDES SUPPORTED MESOPOROUS SILICAS Shengfu JI
C28	J-AGGREGATES OF MESO-TETRA(P-SULFONATOPHENYL) PORPHYRIN INDUCED BY A WATER-SOLUBLE IONIC LIQUID Jianjun WU
C29	DETERMINATION OF TRACE AMOUNT OF BI, CD, CU, FE, NI, SN AND ZN IN LEAD METAL BY ICP-OES Xianjin FENG

C30 DENSITY FUNCTIONAL THEORETICAL CALCULATION OF VIBRRATIONAL SPECTROSCOPY AND RAMAN ACTIVITY
Yuan ZHAO

C31 SENSITIVE DETERMINATION OF PROTEINS WITH NAPHTHOL GREEN B BY RESONANCE LIGHT SCATTERING TECHNIQUE
Hui ZHONG

C32 METHOD EVALUATION ON FREE RADICAL SCAVENGING CAPABILITY BASED ON FENTON REACTION USING RHODAMINE B AS SPECTROPHOTOMETRIC INDICATOR
Fei YU

C33 ESTABLISHMENT OF THE CHEMILUMINESCENT ENZYME IMMUNOASSAY FOR FREE TRIIODOTHYRONINE (FT3)
Zhen LIN

C34 DROPLET-FACE MULTIFUNCATIONAL MICROFLUIDIC REACTOR
Yuanfeng PANG

C35 A SOLID-PHASE CHEMILUMINESCENCE ENZYME IMMUNOASSAY FOR THE DIRECT ANALYSIS OF TOTAL TESTOSTERONE IN HUMAN SERUM
Shiqi REN

C36 IR, RAMAN AND SERS STUDIES ON IDENTIFICATION AND DETERMINATION FOR TRACE SULFUONYLUREA HERBIDICIDES
Yuan ZHAO

C37 THE DETECTION OF 17BETA-ESTRADIOL IN HUMAN URINE AND SERUM BY A HIGHLY SENSITIVE METHOD OF EMILUMINESCENCE ENZYME IMMUNOASSAY
Huibin WEI

C38 THE DESIGN OF PHOTO-ELECTRICITY DETECTION OF PROGRAMMABLE GAIN PREAMPLIFIER CIRCUIT
Ruihua QUAN

SCHEDULE OF SESSIONS
CHROMATOGRAPHY
Chairman: Haiying YANG

ORAL LECTURES
Time: Oct. 19, 2007 PM (Friday)
Site: Room No. 202-203 of Meeting Hall
Chair: Prof. Huwei LIU and Dr. Zhenxi GUAN

13:30-14:30	D2	THE FUTURE DIRECTION OF GAS CHROMATOGRAPHY INNOVATIONS FOR IMPROVING LABORATORY PRODUCTIVITY INSTRUMENT RELIABILITY AND EASE OF USE **Michael FEENEY** Agilent Technologies Inc., USA
14:30-15:10	D3	AUTOMATED SAMPLE ENRICHMENT AND HIGH SENSITIVITY ANALYSIS OF DMPK SAMPLES USING HPLC-CHIP QQQ MS **Rob Solazzo** Agilent Technologies, GERMANY
15:10-15:50	D4	FAST HPLC ANALYSIS OF ADDITIVES EXTRACTED FROM POLYMER FORMULATIONS – IMPROVEMENTS IN EXISTING METHODS BY ACCURATE METHOD TRANSFER TO RAPID RESOLUTION LC METHODS **Michael Woodman** Agilent Technologies, USA
	D5	REDUCING THE NUMBER OF SAMPLE PREPARATION STEPS FOLLOWING ORGANIC EXTRACTIONS **Michael Woodman** Agilent Technologies, USA
	D6	MAXIMIZING PERFORMANCE WITH RECENT HPLC COLUMN AND INSTRUMENT IMPROVEMENTS **Michael Woodman** Agilent Technologies, USA
15:50-16:30	D7	BENEFITS OF ELEVATED TEMPERATURE HIGH SPEED HPLC **Wu CHEN** Agilent Technologies, USA
	D8	ULTRA-FAST SEPARATION OF BIOMOLECULES USING SUPERFICIALLY POROUS SILICA PARTICLES **Wu CHEN** Agilent Technologies, USA

16:30-17:30 Discussion

Time: Oct. 20, 2007 AM-PM (Saturday)
Site: Room No. 202-203 of Meeting Hall
Chair: Prof. Yafeng GUAN and Prof. Mingyu DING

8:30-9:00	D9	RECENT DEVELOPMENTS IN STANDARD TEST METHODS FOR CHROMATOGRAPH BASED ANALYSIS OF FUELS **Piet KOPPEN** (Keynote) AC Analytical Controls, THE NETHERLANDS
9:00-9:30	D10	THE VACUUM-SOLVENT EVAPORATION INTERFACE FOR SOLVENT EXCHANGE IN COMPREHENSIVE LIQUID CHROMATOGRAPHY **Yafeng GUAN** (Keynote) Dalian Institute of Chemical Physics, Chinese Academy of Sciences, CHINA
9:30-10:00	D11	OPTIMIZATION OF A COMPLETE ANALYSIS OF PESTICIDES IN PRODUCE BY GC/MS **Eric Phillips** (Keynote) Thermo Fisher Scientific Corporation. Austin, TX, USA
10:00-10:30	D12	ULTRA FAST GC THROUGH DIRECT RESISTIVE HEATING OF CONVENTIONAL CAPILLARY COLUMNS: AN EFFECTIVE SOLUTION FOR ROUTINE GC ANALYSES **Andrea CADOPPI** (Keynote) Thermo Fisher Scientific Strada Rivoltana, ITALY
10:30-10:45		**Coffee Break**
10:45-11:15	D13	ELECTRIC COUPLING EFFECT AND IN-CHANNEL UNIVERSAL ELECTROCHEMICAL DETECTION IN CHIP ELECTROPHORESIS SYSTEM **ZhiYong WU** Northeastern University, CHINA
	D14	DESIGN AND CHARACTERIZATION OF FREE FLOW ELECTROPHORESIS (FFE) CHIPS OF GLASS SUBSTRATE **ZhiYong WU** Northeastern University, CHINA
11:15-11:40	D15	SIMPLIFICATION OF MULTI DIMENSIONAL HPLC AND COLUMN SWITCHING **Haibin WAN** PromoChrom Technologies Ltd. CANADA

11:40-12:00 D16 EXTENDED GAS APPLICATION WITH RELIABLE PERFORMANCE BY AGILENT 3000 MICRO GC
Yuehua ZHOU
Agilent Technologies (Shanghai), CHINA

Chair: Prof. Shifen MOU and Prof. Rongzong HU

13:30-14:10 D17 INTER-LABORATORY VALIDATION OF USA ENVIRONMENTAL PROTECTION AGENCY (EPA) METHOD 1668A: FOR THE CETREMINATION OF 209 CHIORINATED BIPHENYLS BY HIGH RESOLUTION GAS CHROMATOGRAPHY COMBINED WITH HIGH RESOLUTION MASS SPECTROMETRY (HRGC/HRMS).
William A TELLIARD (Keynote)
US Environmental Protection Agency, USA

14:10-14:40 D18 DC POTENTIAL DIFFERENCE DETECTOR FOR ION CHROMATOGRAPHY
Rongzong HU (Keynote)
Xiamen University, CHINA

14:40-15:20 D19 AN IN-LINE MATRIX DIVERSION METHOD BASED ON A TWO-DIMENSIONAL FORMAT FOR ANALYSIS OF BROMATE AND PERCHIORATE BY ION CHROMATOGRAPHY
Joachim WEISS
Dionex Corporation, GERMANY

15:20-16:00 D20 THE NEW ONLINE ION CHROMATOGRAPHY PRETREATMENT METHOD-AUTOPREP TECHNIQUE
Shifen MOU (Keynote)
Research Center for Eco-Environmental Science, Chinese Academy of Sciences, CHINA

16:00-17:30 **Coffee Break & Discussion**

Time: Oct. 21, 2007 AM (Sunday)
Site: Room No. 202-203 of Meeting Hall
Chair: Prof. Yueming QIU and Prof. Jie LIAO

9:00-9:30 D21 ANALYSIS OF DEMETHYLATION-RELATED HPV16 REACTIVATION BY DHPLC-PRIMER EXTENSION ASSAY
Dajun DENG (Keynote)
Peking University, CHINA

9:30-9:50 D22 ULTRAPURE WATER FOR HPLC SEPARATION AND LC-MS ANALYSES
Stephane MABIC

Millipore, FRANCE

9:50-10:10	D23	MICROCHIP CAPILLARY ELECTROPHORESIS FOR CARBOHYDRATE ANALYSIS ADVANTAGES AND CHALLENGES **Fuquan Dang** Health Technology Research Center, National Institute of Advanced Industrial Science and Technology (AIST), JAPAN
10:10-10:30	D24	STUDY ON THE FINGERPRINTS OF INDIGO NATURALIS BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY **Xiaoping WU** Fuzhou University, CHINA

10:30-11:30 **Poster**

POSTER SESSION

Time: Oct. 21, 2007 AM 10:30-12:00

Site: The corridor outside Room No. 202-203 of Meeting Hall

D25 INVESTIGATION AND APPLICATION OF A NEW PULSE MICRO-CHROMATOGRAPHY SYSTEM
Zhirong GAO

D26 SIMULTANEOUS DETERMINATION OF NITROGEN OXIDES AND SULFUR DIOXIDE IN CATALYTIC CRACKING GAS BY SOLUTION ABSORPTION FOLLOWED BY ION CHROMATOGRAPHY
Yueqin ZHANG

D27 THE FAST GC SIMULATING DISTILLATION AND ITS APPLICATION IN ROUTINE ANALYSIS
Ke JIN

D28 USING AGILENT TC-C18 COLUMN TO ANALYZE BERBERINE CHLORIDE
Rongjie FU

D29 FAST ANALYSIS OF DRILING GAS BY MICRO GC
Wenmin LIU

D30 TCM PURIFICATION WITH PERPLC
Zhixiu XU

D31 THE DETERMINATION OF THE SURFACE FREE ENERGY OF PET BY INVERSE GAS CHROMATOGRAPHY (IGC)
Meina DU

SCHEDULE OF SESSIONS
MAGNETIC RESONANCE
CHAIRMAN: Bin XIA

ORAL LECTURES

Time: Oct. 20, 2007 AM (Saturday)
Site: Room No. 1, 2nd floor of Friendship Palace
Chair: Prof. Bin XIA

8:30	E2	Aβ40 PROTECTS NONTONXIC Aβ42 MONOMER FROM AGGREGATION **Chunyu WANG** (Keynote) Center for Biotechnology and Interdisciplinary Studies, Rensselaer Polytechnic Institute, CHINA
9:10	E3	STRUCTURE AND FUNCTIONAL IMPOLICATIONS OF CHAPERONE Chz1 COMPLEXED WITH HISTONES H2A Z-H2B **Yawen BAI** (Keynote) Laboratory of Biochemistry and Molecular Biology, Center for Cancer Research, National Cancer Institute, CHINA
9:50—10:00		**Coffee Break**
10:00	E4	NMR AND ITS HYPHENATION IN QUALITY CONTROL AND RESEARCH OF FRUIT JUICES **Li-Hong Tseng** application scientist with Bruker Biospin GmbH, GERMANY
10:30	E5	TOXIC EFFECTS OF ACONITUM ALKALOIDS ON RATS STUDIED BY NMR BASED METABONOMICS **Xianzhong YAN** National Center of Biomedical Analysis, CHINA
11:00	E6	SOLUTION NMR STRUCTURE OF A NOVEL CONSERVED CRENARCHAEAL DNA-BINDING PROTEIN **Yingang FENG** Center for Structural and Molecular Biology, Institute of Biophysics, Chinese Academy of Sciences, CHINA
11:30	E7	SOLUTION STRUCTURES AND BACKBONE DYNAMICS OF A FLAVODOXIN MIOC FROM ESCHERICHIA COLI **Yunfei HU** Beijing Magnetic Resonance Center, CHINA

Time: Oct. 20, 2007 PM(Saturday)
Site: Room No. 1, 2nd floor of Friendship Palace
Chair: Prof. Chunyu Wang

13:30	E8	EXPERIMENTAL AND THEORETICAL STUDIES OF HYDROGEN BONDS IN FE-S PROTEINS **William M. WESTLER** (Keynote) University of Wisconsin-Madison, USA
14:10	E9	TRANSIENT AND OBLIGATE PROTEIN COMPLEXES IN MEDIATING CELL ADHESION AND MIGRATION **Jun QIN** (Keynote) Case Western Reserve University, USA
14:50—15:10		**Coffee Break**
15:10	E10	DNA G-QUADRUPLEXES AS POTENTIAL FRUG TARGETS **Danzhou YANG** (Keynote) University of Arizona, USA
15:50	E11	INSIGHT INTO THE BINDING PROPERTY OF MEKK3 PB1 TO MEK5 PB1 FROM ITS SOLUTION STRUCTURE **Qi HU** University of Science and Technology of China, CHINA
16:20		**POSTER**

Time: Oct. 21, 2007 AM (Sunday)
Site: Room No. 1, 2nd floor of Friendship Palace
Chair: Jun Qin

8:30	E12	LARGE PICTURES WITH SMALL DETAILS COMBINED USE OF NMR AND SCATTERING DATA FOR RNA STRUTURE DETERMINATION **Yun-Xing WANG** (Keynote) PNAI, SBL, NCI-Frederick, NIH, Frederick, U.S.A
9:10	E13	REVERSIBLE CONFORMATIONAL SWITCH REVEALED BY THE REDOX STRUCTURES OF BACILLUS SUBTILIS THIOL PEROXIDASE **Changwen JIN** (Keynote) Beijing Nuclear Magnetic Resonance Center, CHINA
9:50—10:10		**Coffee Break**
10:10	E14	SOLUTION STRUCTURE OF HUMAN DESR1, A CSL-ZINC FINGER **Fangming WU** University of Science and Technology of China, CHINA

10:40 E15 SOLUTION STRUCTURE AND BACKBONE DYNAMICS OF AN ENDOPEPTIDASE HYCL FROM ESCHERICHIA COLI
Fan YANG
Beijing Nuclear Magnetic Resonance Center, CHINA

10:10 E16 A NOVEL DIMER OF SARS MAIN PROTEASE
Nan ZHONG
Beijing Nuclear Magnetic Resonance Center, CHINA

POSTER SESSION

Time: Oct. 20, 2007 PM 4:20

Site: The corridor outside Room No. 1, 2nd floor of Friendship Palace

E17 STRUCTURAL AND FUNCTIONAL STUDIES OF HUMAN PHOSPHOHISTIDING PHOSPHATASE 1
Weibin GONG

E18 NMR STUDIES OF THE DROSOPHILA MELANOGASTER RNA SPLICING FACTER SANS FILLE
Jicheng HU

E19 SOLUTION STRUCTURE OF THE MANNITOL-SPECIFIC CYRPTIC PHOSPHOTRANSFERASE ENZYME IIA CMTB FROM ESCHERICHIA COLI
Caifang YU

E20 SOLUTION STRUCTURE OF A RHODANESE PspE FROM ESCHERICHIA COLI : IMPLICATIONS FOR MECHANISM OF THE RHODANESE CATALYSIS
Hongwei LI

E21 N-TERMINAL DOMAIN OF THE SARS MAIN PROTEASE
Shengnan ZHANG

E22 SOLUTION STRUCTURE OF HUMANζ-COP: DIRECT EVIDENCE OF THE STRUCTURE SIMILARITY BETWEEN COP I AND CLATHRIN ADAPTOR COMPLEXES
Wenyu YU

E23 NMR STUDY OF H-REV107-1 PRTEIN FROM HOMO SAPIENS
Xiaobai REN

E24 POSSESSING ONE RIGID"STABILIZER-CORE" UNIT IS THE MOLECULAR ORGIN OF THE EXTREME THERMOSTABILITY OF P62A-MUTANT ARCHAEAL Ssh10b
Xianyang FANG*

E25 SOLUTION STRUCTURE OF E.coli POLYMYXIN RESISTANCE PROTEIN PmrD
Wenyu FU

E26 CONFORMATIONAL FLEXIBILITY COUPLED TO THE REDOX REACTION BETWEEN THIOREDOXIN AND ARSENATE REDUCTASE IN Bacillus subtilis
Xianrong GUO

E27 STRUCTURAL BIOCHEMICAL AND DYNAMIC CHARACTERIZATIONS OF THE Hrpb8 SUBUNIT OF HUMAN RNA POLYMERASES
Xue KANG

E28 SOLUTION STRUCTURE OF THE BACTERIAL CHEMOTAXIS ADAPTOR PROTEIN CheW FROM ESCHERICHIA COLI
You LI

E29 SOLUTION STRUCTURES OF THE REDUCED AND OXIDIZED FORMS OF BACILLUS SUBTILIS THIOL PEROXIDASE
Jie LU

E30 CONFORMATIONAL ANALYSIS OF EMs ANALOGS BY NMR SPECTROSCOPY AND MOLECULAR MODELING
Xuan SHAO

E31 SOLUTION STRUCTURE OF Escherichia COLI HypC
Lei WANG

E32 FOLDING STABILITY AND COOPERATIVITY OF THE THREE FORMS OF 1-110 RESIDUES FRAGMENT OF SNASE
Tao XIE

E33 STRUCTURE-FUNCTION STUDY OF HUMAN PROGRAMMED CELL DEATH 5 PROTEIN
Hongwei YAO

E34 SOLUTION STRUCTURES AND ACTIVITY OF A THIOREDOXIN-LIKE PROTEIN, YkuV FROM BACILLUS SUBTILIS
Xinxin ZHANG

E35 DISCOVERY OF BOUNDED SMALL MOLECULES IN BLOOD SERUM BY NMR SPECTROSCOPY
Xu ZHANG

E36 31P NMR STUDY OF AGI-CUI HETEROMETALLIC OCTA AND HEXADECANUCLEAR ALKYNYL COMPLEXES
Xudong ZHANG

E37 RELATIVE SPATIAL STRUCTURAL DETERMINATION OF Crassicauline 1 BY NMR
Junmei WANG

E38 1H NMR FINGERPRINTING SPECTRA OF BEER WITH FAIR SAMPLE PREPARATION
Yu ZHAO

SCHEDULE OF SESSIONS
ELECTROANALYTICAL CHEMISTRY
CHAIRMAN: Yuanhua SHAO

ORAL LECTURES

Time: Oct. 19, 2007 PM (Friday)
Site: The meeting hall , 2nd floor of Friendship Palace
Chair: Prof. Hubert H. GIRAULT and Prof. Hongyuan CHEN

1:30-1:35		**Open Remarks by Prof. Yuanhua SHAO**
1:35-2:15	F2	INVESTIGATION OF CONCENTRATION PROFILES NEAR AN ACTIVE ELECTRODE SURFACE **Christian AMATORE** (Keynote) Ecole Normale Superieure, FRANCE
2:15-2:55	F3	PREPARATION OF NANOMATERIALS AND SELF-ASSEMBLY-BASED FABRICATION OF NOVEL STRUCTURES BY WET-CHEMICAL TECHNIQUES **Erkang WANG** (Keynote) Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, CHINA
2:55-3:35	F4	ENHANCED OXIDATION AND REDUCTION OF HYDROGEN PEROXIDE USING IODINE-MODIFIED GOLD ELECTRODE IN ALKALINE MEDIA **Takeo OHSAKA** (Keynote) Tokyo Institute of Technology, JAPAN
3:35-3:55		**Coffee Break**

Chair: Prof. Zdenek SAMEC and Prof. Shaojun DONG

3:55-4:15	F5	ASSEMBLY OF LAYER-BY-LAYER FILMS OF MYOGLOBIN (Mb) AND GOLD NANOPARTICLES ENCAPSULATED INSIDE POLYAMIDOAMINE (PAMAM) DENDRIMERS: AN ELECTROCHEMICAL STUDY **Naifei HU** Beijing Normal University, CHINA
4:15-4:35	F6	THE FABRICATION OF Ag/POPYPYRROLE CORE-SHELL NANOSTRCTURES AND ITS APPLICATIONS **Junjie ZHU** Nanjing University, CHINA
4:35-4:55	F7	NEUROELECTROANALYTICAL CHEMISTRY Kun LIU, Yuqing LIN, Ling XIANG, Meining ZHANG and **Lanqun MAO** Institute of Chemistry, Chinese Academy of Sciences (CAS), CHINA
4:55-5:15	F8	A SELECTIVE AND SENSITIVE METHOD OF HOMOCYSTEINE DETERMINATION: AN ELECTROCHEMICAL APPROACH **Dong ZHAO**

		World Precision Instruments, Inc., USA
5:15-5:35	F9	AMPLIFIED ELECTRICAL AND OPTICAL TRANSDUCTION OF CYTOCHROME C DERIVED FROM MO6SXI9-X NANOWIRES **Meixian LI** Peking University, CHINA

Time: Oct. 20, 2007 AM (Saturday)
Site: The meeting hall , 2nd floor of Friendship Palace
Chair: Prof. Shouzhuo YAO and Prof. Takashi KAKIUCHI

8:00-8:40	F10	PROTEIN IMAGING BY SCANNING ELECTROCHEMICAL MICROSCOPY **Hubert H GIRAULT** (Keynote) Ecole Polytechnique Fédérale de Lausanne, SWITZERLAND
8:40-9:20	F11	SCANNING ELECTROCHEMICAL MICROSCOPY INSIDE LIVING CELLS **Michael V. MIRKIN** (Keynote) Queens College - CUNY, USA
9:20-10:00	F12	LOCALIZED VISUALIZATION OF CATALYST ACTIVITIES. APPLICATION IN FUEL CELL, BIOFUEL CELL AND BIOSENSOR OPTIMIZATION **Wolfgang SCHUHMANN** (Keynote) Analytische Chemie – Elektroanalytik & Sensorik; Ruhr-Universität Bochum, Universitätsstr. 150, GERMANY
10:00-10:20		**Coffee Break**

Chair: Prof. Michael MIRKIN and Prof. Junjie ZHU

10:20-10:40	F13	VISUALISATION OF CATALYTIC ACTIVITY FOR OXYGEN REDUCTION BY MEANS OF REDOX COMPETITION MODE SCANNING ELECTRO-CHEMICAL MICROSCOPY (RC-SECM) **Xingxing CHEN** Ruhr-Universität Bochum, Universitätsstr, GERMANY
10:40-11:00	F14	STUDY ON THE EFFECT OF NICKEL NANOPARTICLES ON THE DRUG UPTAKE OF QUERCETIN IN CANCEROUS CELLS **Xuemei WANG** Southeast University, CHINA
11:00-11:20	F15	ELECTROGENERATED CHEMILUMINESCENCE OF ZnS NANOPARTICLES IN ALKALINE AQUEOUS SOLUTION **Chengxiao ZHANG** Shanxi Normal University, CHINA
11:20-11:40	F16	UNDERSTANDING THE STRUCTURE AND ACTIVITY OF METALLPROTEIN FROM MOLECULAR LEVEL **Jianwei ZHAO** Nanjing University, CHINA

11:40-12:00	F17	STRUCTURAL AND CHARACTERISTIC ANALYSIS OF THE CARBON NANOTUBES-IONIC LIQUID GEL BIOSENSOR **Zhiwei ZHU** Peking University, CHINA

Time: Oct. 20, 2007 PM (Saturday)
Site: The meeting hall , 2nd floor of Friendship Palace
Chair: Prof. Wolfgang SCHUHMANN and Prof. Xinghua XIA

1:30-2:10	F18	PIEZOELECTRIC QUARTZ CRYSTAL IMPEDANCE ANALYSIS FOR ELECTROCHEMICAL AND BIOSENSING STUDIES **Shouzhuo YAO** (Keynote) Hunan Normal University, CHINA
2:10-2:50	F19	SELF-ASSEMBLY AND ELECTROCHEMISTRY OF CARBON NANOTUBES **Shaojun DONG** (Keynote) Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, CHINA
2:50-3:30	F20	ELECTROCHEMICAL BIOSENSORS BASED ON NANOTECHNOLOGY **Huangxian JU** (Keynote) Nanjing University, CHINA
3:30-3:50		**Coffee Break**

Chair: Prof. Takeo OHSAKA and Prof. Lanqun MAO

3:50-4:10	F21	ELECTROCHEMICAL INVESTIGATION ON THE BINDING INTERACTION OF ORGANIC MOLECULES WITH DNA AND PROTEIN **Lianghong GUO** Research Center for Eco-environmental Sciences, Chinese Academy of Sciences, CHINA
4:10-4:30	F22	SINGLE-WALLED CARBON NANOHORNS-BASED ELECTROCHEMICAL BIOSENSORS **Guobao XU** Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, CHINA
4:30-4:50	F23	A RENEWABLE IMMUNOSENSOR VIA PHENYLBORONIC ACID-CARRYING SELF-ASSEMBLED ON GOLD **Songqin LIU** Southeast University, CHINA
4:50-5:10	F24	AMPLIFIED VOLTAMMETRIC DETECTION OF P53/ DNA INTERACTION VIA FERROCENE-CAPPED GOLD NANOPARTICLE/STREPTAVIDIN CONJUGATES **Jianxiu WANG** Central South University, CHINA

5:10-5:30	F25	A MOLECULARLY IMPRINTED COPOLYMER DESIGNED FOR ENANTIOSELECTIVE RECOGNITION OF GLUTAMIC ACID **Jianping LEI** Nanjing University, CHINA

Time: Oct. 21, 2007 AM (Sunday)
Site: The meeting hall , 2nd floor of Friendship Palace
Chair: Prof. Erkang WANG and Prof. Huangxian JU

8:00-8:40	F26	DEVELOPMENTS OF ELECTROCHEMICAL DETECTION MODES IN MICROCHIP ELECTROPHORESIS **Hongyuan CHEN** (Keynote) Nanjing University, CHINA
8:40-9:20	F27	ELECTROCHEMICAL SURFACE PLASMON RESONANCE AND RELATED VOLTAMMETRIC TECHNIQUES FOR STUDYING STRUCTURAL CHANGES OF IMMOBILIZED MOLECULES **Feimeng ZHOU** (Keynote) California State University, USA
9:20-10:00	F28	SYNTHESIS OF NANOMATERIALS AND THEIR APPLICATIONS IN BIOSENSORS AND BIOELECTRONICS **Xinghua XIA** (Keynote) Nanjing University, CHINA
10:00-10:20		**Recess**

Chair: Prof. Feimeng ZHOU and Prof. Jinghong LI

10:20-10:40	F29	A TARGET-RESPONSIVE ELECTROCHEMICAL APTAMER SWITCH FOR REAGENTLESS DETECTION OF NANOMOLAR ATP **Chunhai FAN** Shanghai Institute of Applied Physics, Chinese Academy of Sciences, CHINA
10:40-11:00	F30	ELECTROCHEMICAL IMPEDANCE DETECTION FOR PROTEIN-BASED ARRAYED ELECTRODES **Danke XU** Beijing Institute of Radiation Medicine, CHINA
11:00-11:20	F31	MULTILAYER MEMBRANES VIA LAYER-BY-LAYER DEPOSITION OF PDDA AND OLIGONUCLEOTIDES FOR GOLD NANOPARTICLES LABELING DNA PROBE HYBRIDIZATION DETECTION **Pingang HE** East China Normal University, CHINA
11:20-11:40	F32	USE DIFFERENTIAL PULSE VOLTAMMETRY (DPV) FOR DETERMINING PHENOLIC ANTIOXIDANTS IN JET FUELS **Yonggang SHI** Xinan University, CHINA

11:40-12:00	F33	THE FABRICATION OF BIOSENSOR BASED ON ORDERED MESOPOROUS POLYANILINE FILM **Qin XU** Nanjing University, CHINA

Time: Oct. 21, 2007 PM (Sunday)
Meeting Site: The meeting hall , 2nd floor of Friendship Palace
Chair: Prof. Christian AMATORE and Prof. Chunhai FAN

1:30-2:10	F34	HYDROPHOBIC IONIC LIQUIDS FOR ELECTROANALYTICAL APPLICATIONS **Takashi KAKIUCHI** (Keynote) Kyoto University, JAPAN
2:10-2:50	F35	ION TRANSFER ACROSS A POLARIZED IONIC LIQUID MEMBRANE SUPPORTED BY A MICROPOROUS FILTER **Zdenek SAMEC** (Keynote) J. Heyrovsky Institute of Physical Chemistry of ASCR, CZECH REPUBLIC
2:50-3:30	F36	NOVEL NANOMATERIALS: SYNTHESIS, CHARACTERIZATION AND APPLICATIONS **Xiurong YANG** (Keynote) Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, CHINA
3:30-3:50		**Coffee Break**

Chair: Prof. Naifei HU and Prof. Xiurong YANG

3:50-4:10	F37	STRUCTURE OF THE ELECTRIFIED IONIC LIQUID|WATER INTERFACE STUDIED BY SECOND HARMONIC GENERATION **Naoya NISHI** Kyoto University, JAPAN
4:10-4:30	F38	STUDYING THE INFLUENCE OF THE STABILITY OF UNIVALENT PORPHYRIN ZINC SPECIES IN ELECTRON TRANSFER AT THE LIQUID/LIQUID INTERFACE BY SECM AND DFT **Xiaoquan LU** Northwest Normal University, CHINA
4:30-4:50	F39	POTENTIOMETRIC LIQUID MEMBRANE PH SENSORS BASED ON CALIX[4]-AZA-CROWNS **Yu QIN** Renmin University of China, CHINA
4:50-5:10	F40	ENZYME-ASSEMBLED MATRICES FOR BIOANALYSIS **Baohong LIU** Fudan University, CHINA

5:10-5:30 F41 CHARGE TRANSFER REACTIONS AT LIQUID/LIQUID INTERFACES AND THEIR APPLICATIONS IN BIOASSAYS

Yuanhua SHAO
Peking University, CHINA

POSTER SESSION

Time: Oct. 19-21, 2007

Site: Corridor outside the meeting hall , 2nd floor of Friendship Palace

F42 ANODIC ELECTROCHEMILUMINESCENCE OF MERCAPTO-PROPIONIC ACID-MODIFIED CdTe QUANTUM DOTS AND ITS APPLICATION FOR DETECTION OF CATECHOLAMINE
Xuan LIU, Hui JIANG and Huangxian JU*

F43 ROOM TEMPERATURE IONIC LIQUID/SINGLE-WALLED CARBON NANOTUBE NANOCOMPOSITES AND THEIR APPLICATION TO DIRECTED ELECTROCHEMISTRY OF HEME-CONTAINING PROTEINS/ENZYMES
Chenxin CAI* and Ping WU

F44 SELF-ASSEMBLY OF DIFFERENT ALKOXYL SUBSTITUTED COPPER (II) PHTHALOCYANINES ON AU (111)
Sanhua WU, Bailin ZHANG*, Lihua HUO, Qiang LI and Yanan LI

F45 ELECTROPOLYMERIZATION OF POLYANILINE NANOARRAY FOR SENSITIVE BIOSENSOR DESIGN
Meining ZHANG, Akira YAMAGUCHI and Norio TERAMAE*

F46 ASSEMBLY OF QUANTUM DOTS - MESOPOROUS SILICATE HYBRID MATERIAL FOR PROTEIN IMMOBILIZATION AND DIRECT ELECTROCHEMISTRY
Qian ZHANG, Ling ZHANG, Bin LIU, Xianbo LU and Jinghong LI*

F47 PHOTOELECTROCHEMICAL SENSOR FOR THE RAPID DETECTION OF ENZYME-CATALYZED IN-SITU DNA DAMAGE
Minmin LIANG and Liang-Hong GUO*

F48 INVESTIGATION ON THE BINDING INTERACTION BETWEEN LONG-CHAIN ORGANIC CHEMICALS AND HUMAN SERUM ALBUMIN
Yanmin CHEN and Liang-Hong GUO*

F49 DIFFUSION LAYER BASED PROBE-IN-TUBE MICRODEVICE FOR SELECTIVE ANALYSIS OF ELECTROACTIVE SPECIES
Wenzhi JIA, Kang WANG, Yulin HU and Xinghua XIA*

F50 ELECTROCHEMICAL PERFORMANCE AND DETERMINATION OF PYROGALLIC AT THE POLY(3-METHYLTHIOPHENE) COATED GLASSY CARBON ELECTRODE
Huaisheng WANG*, Hongyan XU, LI TIAN Yanhuai WANG and Renmin LIU

F51 SYNTHESIS AND CHARACTERIZATION OF MWNTs/Au/HS-(CH2)6-Fc NANOCOMPOSITES ELECTROCHEMICAL DETERMINATION OF ASCORBIC ACID
Jianding QIU*, Rui WANG, Ruping LIANG

F52 A NOVEL BIFUNCTIONAL GOLD-COATED MAGNETIC NANOPARTICLES BASED ON FERROCENE ELECTROCATALYTIC DOPAMINE BIOSENSOR
Jianding QIU*, Meng XIONG and Ruping LIANG

F53 ONE-STEP SYNTHESIS OF AgCl/POLYANILINE CORE-SHELL COMPOSITES WITH ENHANCED ELECTROACTIVITY
Xiaomiao FENG, Wenhua HOU, Jun-Jie ZHU,

F54 THE DIRECT ELECRTOCHEMISTRY OF HEMOGLOBIN ON SBA-15
Yuge LIU, Jing-Jing ZHANG, Wenhua HOU, Junjie ZHU*

F55 A DNA ELECTROCHEMICAL SENSOR PREPARED BY ELECTRODEPOSITING ZIRCONIA ON SINGLE-WALLED CARBON NANOTUBES / POLY(2,6-PYRIDINEDICARBOXYLIC ACID) COMPOSITE FILMS AND ITS APPLICATION TO DETECTION OF PAT GENE FRAGMENT
Jie YANG, Kui JIAO* and Tao YANG

F56 APTAMER-BASED DETECTION OF THROMBIN USING QUENCHING ELECTROGENERATED CHEMILUMINESCENCE OF TRIS (2, 2'-BIPYRIDINE) RUTHENIUM (II) BY FERROCENE
Yan LI, Honglan QI, Jia YANG, Yage PENG and Chengxiao ZHANG*

F57 STUDY THE PERMEABILITY OF DIFFERENT TYPE OF MEDIATORS THROUGH A SAMS ON A GOLD ELECTRODE BY SECM
Zhong CHEN, Li SHEN, Shubao XIE, Shali HE, Ping JING and Yuanhua SHAO*

F58 THE HYBRIDIZATION OF CHARGE TRANSFER REACTIONS AT SOLID/ELECTROLYTE AND LIQUID/LIQUID INTERFACE
Shali HE, Jianqing WU, Shubao XIE, Zhong CHEN, Ping JING, Li SHEN and Yuanhua SHAO*

F59 ELECTROCHEMICAL INVESTIGATION OF THE INTEREACTION BETWEEN N-n-AMYL-N'-(SODIUM PAMINOBENZENESULFONATE) THIOUREA AND BOVINE SERUM ALBUMIN USING MULTI-WALLED CARBON NANOTUBE MODIFIED ELECTRODE
Hongxia LUO*, Zhixin GUO and Nan HE

F60 A NEW APPROACH TO ASSAY THE ENZYMATIC ACTIVITY OF CALCINEURIN AND THE INHIBITORY EFFECT OF ZINC ION
Genxi LI, Guifang CHEN*, Dongmei ZHANG, Wei XING and Xiang MA

F61 HYDROGEL BASED BIOSENSOR WITH COBALT PHTHALOCYANINE NANOPARTICLES FOR GLYCOLIC ACID DETERMINATION
Hui ZHONG* and Kun WANG

F62 DETERMINATION OF CHROMIUM SPECIES USING SOLID AMALGAM MICROELECTRODE MODIFIED WITH DTPA
Shangwang LE, Jianping LI* and Qingyu LIN

F63 A NOVEL AMPEROMETRIC IMMUNOSENSOR FOR DETERMINATION HUMAN IGG BASED ON MAGNETIC NANOPARTICLES MODIFIED ELECTRODE
Huiling GAO and Jianping LI*

F64 THE ELECTRON TRANSFER AND APPLICATIONS FOR BIOSENSING OF PROTEIN ON NANOSTRUCTURED MATERIALS WITH LOW ELECTRICAL CONDUCTIVITY
Liyuan CHEN, Yafeng WU and Songqin LIU*

F65 THE ELECTROCHEMILUMINESCENCE OF RU2(BPY)32+ MODIFIED GLASSY CARBON ELECTRODE VIA DIRECT OXIDATION USING TRIPROPYLAMINE AS COREACTANT
Minghui XIANG, Rong LEI, NA LI* and Ke'an LI

F66 NOVEL DENDRITIC PALLADIUM NANOSTRUCTURE AND ITS APPLICATION IN BIOSENSING
Zhihui DAI* and Jianchun BAO

F67 PROPERTIES OF POLY(SODIUM 4-STYRENESULFONATE)-IONIC LIQUID COMPOSITE FILM AND ITS APPLICATION IN THE DETERMINATION OF TRACE METALS COMBINED WITH BISMUTH FILM ELECTRODE
Jianbo JIA*, Linyuan CAO and Zhenhui WANG

SCHEDULE OF SESSIONS
LIFE SCIENCE
Chairman: Xiaohong QIAN

ORAL LECTURES

Time: Oct. 19, 2007 PM (Friday)
Site: Room No. 4, 2nd floor of Friendship Palace
Chair: Prof. Siqi LIU and Prof. Rong WANG

13:30-14:10	G2	PROTEOME KINASE PROFILING USING PEPTIIDE MICROARRAY TECHNOLOGIES **Xiaolian GAO** (Keynote) University of Houston, USA
14:00-14:50	G3	SEEKING FOR TUMOR BIOMARKERS FORM BODY FLUIDS POSSIBILITY AND DIFFICULTY **Siqi LIU** (Keynote) Beijing Genomics Institute, Chinese Academy of Sciences, CHINA
14:50-15:30	G4	MASS SPECTROMETRY AND CAPILLARY ELECTROPHORESIS STRATEGIES FOR PROTEOMICS AND GLYCOMICS **Jianjun LI** Institute for Biological Sciences, National Research Council , CANADA
15:30-15:40		**Coffee Break**
15:40-16:20	G5	QUANTITATIVE PROTEOMICS AND CLINICAL STAGING OF HEPATOCELLULAR CARCINOMA **Rong WANG** (Keynote) Mount Sinai School of Medicine, USA
16:20-17:00	G6	INCREASING ROLE OF AFFINITY-MASS SPECTROMETRY-BASED PROTEOMICS IN SIGNAL PATHWAY MAPPING **Yongchang QIU** (Keynote) Biological Technologies, Wyeth.
17:00-17:40	G7	QUANTITATIVE ANALYZE PROTEINS DYNAMIC CHANGE FROM INTRACELLULAR MEMBRANE COMPARTMENTS TO PLASMA MEMBRANE OF L6 SKELETAL MUSCLE CELLS AFTER RAPID STIMULATION WITH INSULIN **Fuquan YANG** (Keynote) Institute of Biophysics, Chinese Academy of Sciences, CHINA

Time: Oct. 20, 2007 AM (Saturday)
Site: Room No. 4, 2nd floor of Friendship Palace
Chair: Prof. Guoan LUO and Dr. Qinhua Cindy RU

8:30-9:10	G8	A CHEMOMICS-INTEGRATED SYSTEMS BIOLOGY APPROACH FOR THE DEVELOPMENT COMPOSITE MEDICINES FROM TRADITIONAL CHINESE MEDICINES **Guoan LUO** (Keynote) Tsinghua University, CHINA
9:10-9:50	G9	MOLECULAR PROFILING AND BIOMARKERS IN ONCOLOGY CLINICAL RESEARCHES **Qinhua Cindy RU** (Keynote) MRL, Merck & Co., Inc., North Wales,
9:50-10:30	G10	GENE EXPRESSION ANALYSIS BY COUPLING A NOVEL SEQUENCE-TAGGED APPROACH WITH PYROSEQUENCING **Guohua ZHOU** (Keynote) Huadong Research Institute for Medicine and Biotechnics, CHINA
10:30-11:20	G11	REDUCTION OF CARRY OVER FOR DETERMINATION OF DECABROMINATED DIPHENYL ETHERS (DBDE) IN HUMAN PLASMA AND SERUM USING AN AUTOMATED ON-LINE PRETREATMENT LC/MS SYSTEM **Feng-Yun Pan** Shimadzu International Trading (Shanghai) Co., Limited
11:20-12:00	G12	IMPROVED INJECTOR TECHNOLOGY FOR GC-MS ANALYSIS OF METABOLOMIC SAMPLES **Harry F. PREST** Agilent Technologies, Inc., Santa Clara, CA , USA

Time: Oct. 20. 2007 PM (Saturday)
Site: Room No. 4, 2nd floor of Friendship Palace
Chair: Prof. Jinglan WANG and Junjie HOU

13:30-14:10	G13	NEW METHODS AND TECHNIQUES BASED ON BIOLOGICAL MASS SPECTROMETRY FOR QUANTITATIVE PROTEOMICS **Xiaohong QIAN** Beijing Institute of Radiation Medicine, CHINA
14:10-14:40	G14	STUDY OF THE THYMUS PROTEOMICS OF SPACEFLIGHT MODEL RATS **Liyan LV** China Academy of Medical Science, CHINA

14:40-15:10	G15	DIFFERENTIAL PHOSPHOPROTEOME ANALYSIS OF HEPG2 AND HBX-TRANSFECTED HEPG2 CELLS BASED ON 18O LABELING AND A COMBINED ENRICHMENT STRATEGY **Jinglan WANG** Beijing Proteome Research Center, CHINA
15:10-15:20		**Coffee Break**
15:20-15:50	G16	HIGH EFFICIENT DETECTION OF PHOSPHOPEPTIDESBY BY MALDI-TOF MS USING DHAP/DAHC AS MATRIX **Junjie HOU** Proteomic Platform, Institute of Biophysics, Chinese Academy of Sciences, CHINA
15:50-16:20	G17	IDENTIFICATION OF THE PHOSPHORYLATION SITES LOCATED IN THE "DENSE SERINE" ISLAND OF SARS-CoV NUCLEOCAPSID PROTEIN **Liang LIN** Beijing Genomics Institute, Chinese Academy of Sciences, CHINA
16:20-16:50	G18	REPLICATE RUN AS A COMPREHENSIVE STRATEGY TO STUDY LARGE-SCALE PEPTIDES BEHAVIORS **Kehui LIU** Beijing Proteome Research Center, CHINA
16:50-17:30		**Poster**

Time: Oct. 21, 2007 AM (Sundy)
Site: Room No. 4, 2nd floor of Friendship Palace
Chairman: Prof. Jianhua WANG and Prof. Shanyi QIAO

8:30-9:00	G19	SOLID PHASE EXTRACTION OF BASIC PROTEINS USING MULTIWALLED CARBON NANOTUBES **Zhuo DU** Northeastern University, CHINA
9:00-9:30	G20	STUDIES ON THE BIOASSAY-GUIDED ANTI-INFLAMMATORY FRACTION OF CORYEX ALBIZIAE COMBINED DETERMINATION WITH LC-MS-MS **Shanyi QIAO** Beijing Academy of Military Medical Sciences, CHINA

9:30-10:00	G21	INTERACTION OF BUFFER SOLUTION AND PROTEIN WEAK INTERACTION BETWEEN TRIS (HYDROXYMETHY) AMINOMETHANE AND LYSOZYME **LI QUAN** Peking University, CHINA
10:00-10:15		**Coffee Break**
10:15-10:45	G22	ENZYMATIC MANIPULATION OF GOLD NANOPARTICLE - BOUND PEPTIDES **Zhenxin WANG** Chinese Academy of Sciences, Changchun
10:45-11:15	G23	COMPARISON OF TWO APTAMER-BASED NON-COVALENT FLUORESCENCE SENSING SYSTEMS FOR THROMBIN DETERMINATION **Yilin LI** Beijing Institute of Pharmacology and Toxicology, CHINA
11:15-12:00		**Poster**

POSTER SESSION

Site: The corridor outside Room No. 4, 2nd floor of Friendship Palace

G24 GOLD NANOPARTICLE-PEPTIDE COMPLEXES TARGETING CELLS
Linlin SUN

G25 EXTRACTION AND SEPARATION OF HEME PROTEINS FROM BIOLOGICAL SAMPLES BY USING IONIC LIQUID
JianHua WANG

G26 DETERMINATION OF CLENBUTEROL HYDROCHLORIDE BY SEQUENTIAL INJECTION ANALYSIS COUPLED WITH CHEMILUMINESCENCE DETECTION
Yue SONG

G27 DEVELOPMENT OF DISPOSABLE ARRAY CHIP REAL-TIME PCR SYSTEM BASED ON INDIUM-TIN OXIDE(ITO) GLASS SUBSTRATE
ZhiYong WU

G28 CORRELATIVE CHARACTERISTIC FINGERPRINTS DEVELOPED ON THE BASIS OF HPLC FINGERPRINTS AND ROUGH SETS FOR IDENTIFICATION OF THE HABITATS OF RADIX ASTRAGALI
Lei NIE

G29 MOLECULARLY IMPRINTED POLYMER OF β-CYCLODEXTRIN FOR THE EFFICIENT RECOGNITION OF BILIRUBIN
Yu YANG

G30 OSCORE: A COMBINED SCORE TO REDUCE FALSE NEGATIVE RATE FOR PEPTIDE IDENTIFICATION IN TANDEM MASS SPECTROMETRY ANALYSIS
Chen SHAO

G31 COMPARISON OF DIFFERENT APPROACHES OF RANDOM DATABASE SEARCHING METHODOLOGY IN PROTEOME
Bing YANG

G32 CONFIRMING N-TERMINAL PEPTIDES OF PROTEIN BY HOMOLOG LABELING AND MALDI-TOF MS
Liyan ZHAO

G33 A NOVEL METHOD FOR THE DIFFERENTIATION OF CASHMERE AND WOOL THROUGH MEASUREMENT OF PEPTIDE MASS FINGERPRINTS (PMF) BY MALDI-TOF-MS
Jing LI

G34 THE PLASMA PROTEINS WITH N-LINKED GLYCOSYLATION RESPOND TO THE SEPTIC DEVELOPMENT
Yan REN

G35 SYNTHESIS, CHARACTERIZATION AND QUANTITATION OF THE SULFUR MUSTARD METABOLITE1,1'- SULFONYLBIS [2-(methylthio) ethane] IN URINE
Ying WANG

G36 DETERMINATION OF TRACE LEWISITE IN HUMAN BLOOD AND URINE BY GAS-CHROMATOGRAPHY-ATOMIC EMISSION SPECTROMETRIC DETECTOR
Tingting SONG

G37 GAS CHROMATOGRAPHY - MASS SPECTROMETRY DETERMINATION OF SARIN EXPOSURES IN HUMAN SERUM BY FLUORIDE REACTIVATION METHOD
Haihong BAI

G38 IDENTIFICATION OF MYCOBACTERIA BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY PATTERNS OF MYCOLIC ACIDS
Rong Du

G39 miRNA AND SMALL, NON-CODING RNA PROFILING MICROARRAY TECHNOLOGIES
Xiaolian GAO

SCHEDULE OF SESSIONS
ENVIRONMENTAL ANALYSIS
CHAIRMAN: Guibin JIANG

ORAL LECTURES

Time: Oct. 19, 2007 PM (Friday)
Site: Room No. 5-6, 2nd floor of Friendship Palace
Presiding: Prof. Guibin JIANG and Prof. Fuoco ROGER

13:30		**Opening Address**
13:40	H53	SUSTAINABILITY AND CLEAN TECHNOLOGY - A CHALLENGE FOR CHEMISTS AND ENGINEERS **Antonius A. KETTRUP**(Keynote) Techn. University Munich, GERMANY
14:10	H2	DETERMINATION OF PERSISTENT ORGANIC CHLORINES IN AIR AND SOIL OF MOUNTAINS IN WESTERN CHINA **Xiande LIU** (Keynote) Chinese Research Academy of Environment Sciences, CHINA
14:40	H3	Effect of Municipal Sewage Treatment Plant Effluent on Bioaccumulation of PCBs and PBDEs in the Recipient Water **Yawei WANG** State Key Laboratory of Environmental Chemistry and Ecotoxicology, RECCS, Chinese Academy of Sciences, CHINA
15:00-15:30		**Coffee Break**
15:30	H4	Temperature Effects on the Enantioselectivity of Basic Analytes in Capillary Electrokinetic Chromatography Using Sulfated β-Cyclodextrins as Chiral Selectors **Zhenlei PENG** Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, CHINA
15:50	H5	CHALLENGING ORGANIC CONTAMINANTS IN HIGH PURITY WATER PERSISTENT ORGANIC POLLUTANTS AND ENDOCRINE DISRUPTERS **Stephane MABIC** Bioscience Division, Millipore, FANCE
16:10		***POSTER***

Time: Oct. 20, 2007 AM (Saturday)
Site: Room No. 5-6, 2nd floor of Friendship Palace
Presiding: Dr. D. KOTZIA and Prof. Qiuquan WANG

8:30	H6	A NOVEL INTEGRATED APPROACH FOR DIAGNOSIS AND ASSESSMENT OF ECOLOGICAL RISKS OF TOXIC SUBSTANCES IN AQUATIC ECOSYSTEMS **Kenneth M. Y. LEUNG** (Keynote) The University of Hong Kong, CHINA
9:00	H7	HISTORICAL POLLUTION LEVEL OF ATMOSPHERIC H-POPs IN SOUTHEASTERN CHINA RECORDED IN TREE BARK AND PEATBOG **Qiuquan WANG** (Keynote) Xiamen University, CHINA
9:30	H8	PHOTOELECTROCHEMICAL SENSOR FOR THE RAPID SCREENING OF DNA-DAMAGING CHEMISCALS **Lianghong GUO** Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, CHINA
10:00	H9	EVALUATION OF CETYLTRIMETHYLAMMONIUM BROMIDE-COATED TITANATE NANOTUBES FOR SOLID-PHASE EXTRACTION OF PHTHALATE ESTERS BASED ON HEMINMICELLES/ADMICELLES FROM AQUEOUS SOLUTION **Hongyun NIU** China National Environmental Monitoring Center, CHINA
10:20-10:40		**Coffee Break**
10:30	H10	DETERMINATION OF RESIDUAL QUINOLONES IN HONEY SAMPLE WITH NEWLY DEVELOPED ON-LINE SAMPLE PRETREATMENT SYSTEM **Wei DU** Shimadzu International Trading (Shanghai) Co., Limited,
10:50	H11	INVESTIGATION ONF LEVELS OF PCDD/Fs IN EFFLUENTS OF DIFFERENT BLEACHING PROCESSES FROM THE CHINESE PULP AND PAPER INDUSTRY **Liping FANG** Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, CHINA

11:10	H12	IMPACTS OF AQUEOUS SUSPENSIONS OF CARBON NANOMATERIALS ON THE AVAILABILITY OF PAHs EVALUATED WITH NEGLIGIBLE DEPLETION SPME **Xialin HU** Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, CHINA
11:30	H50	ARSENIC SPECIATION ANALYSIS IN HUMAN SALIVA BY LC-ICPMS AND LC-ESI/MS/MS **Chun-Gang YUAN** University of Alberta, CANADA

Time: Oct. 20, 2007 PM (Saturday)
Site: Room No. 5-6, 2nd floor of Friendship Palace
Presiding: Prof. Kenneth M. Y. LEUNG and Prof. Xiande LIU

13:30	H13	EMERGING SUBSTANCES IN INDOOR AIR-SAMPLING ANALYSIS. REACTIVITY **D. KOTZIA** (Keynote) European Commission-Joint Research Centre, ITALY
14:00	H14	BLOBAL DIFFUSION PROCESS OF POLLUTANTS: THE ROLE PLAYED BY THE MARINE AEROSOL AND THE SEA-SURFACE MICRO-LAYER **Roger FUOCO** University of Pisa, ITALY
14:30	H15	FLUORESCENCE STUDY ON THE INTERATION BETWEEN POLYCYCLIC AROMATIC HYDROCARBONS AND DNA **Yin WEI** Research Center for Eco-environmental Sciences, Chinese Academy of Sciences, CHINA
14:50	H16	PREPARATION OF MAGNETIC OCTADESYL MODIFIED SILICA GEL AND ITS APPLICATION TO SEPARATE/ PRECONCENTRATE ENVIRONMENTAL POLLUTANTS **Yan LIU** Research Center for Eco-environmental Sciences, Chinese Academy of Sciences, CHINA
15:10-15:30		**Coffee Break**
15:30	H17	IONIC LIQUID FOR IMPROVED SINGLE-DROP MICROEXTRACTION OF AROMATIC AMINES IN WATER SAMPLESI ***Qingxiang ZHOU*** Henan Normal University, CHINA

15:50	H18	HIGH SENSITIVE DETERMINATION OF OXYGENATES IN GASOLINE BY USING MULTI-DIMENSIONAL GCMS SYSTEM **Zhi-Ling CHEN** Shimadzu International Trading (Shanghai) Co., Limited, CHINA
16:10	H19	OPTIMIZATION OF PRETREATMENT METHOD FOR ALKYLMERCURES SPECIATION IN COAL BY HIGH PERGORMANCE LIQUID CHROMATOGRAPHY COUPLED WITH LIV-DIGESTION COLD VAPOR ATOMIC FLUORESCENCE SPECTROMETRY **Bin HE** Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, CHINA
16:30		Closing Remarks Lianghong GUO

POSTER SESSION

Time: Oct. 19, 2007 PM (Friday)

Site: The corridor outside the Room No. 5-6, 2nd floor of Friendship Palace

H20 A SEQUENTIAL INJECTION METHOD FOR THE DETERMINATION OF THE AVAILABLE BORON IN SOIL SAMPLES WITH FLUORIMETRIC DETECTION
Guanchao ZHAO, Shihua FAN and Hua ZHOU

H21 A SEQUENTIAL INJECTION METHOD FOR THE DETERMINATION OF DISSOLVED ORGANIC AND INORGANIC CARBON IN WATER SAMPLES
Xiyun WANG, Shihua FAN

H22 STRUCTURE-RELATED CLUSTERING OF GENE EXPRESSION FINGERPRINTS OF THP-1 CELLS EXPOSED TO 3-RINGED POLYCYCLIC AROMATIC HYDROCARBONS
Bin WAN, Jason W. YARBROUGH and T. Wayne SCHULTZ

H23 RAPID DETECTION OF DNA DAMAGE INDUCED BY HEAVY METAL MEDIATED FENTON REACTION
Suping JIA, Minmin LIANG, Lianghong GUO

H24 ELECTROCHEMICAL INVESTIGATION ON THE BINGDING OF POLYCYCLIC ORGANIC CHEMICALS WITH DNA
Lirong WANG, LiangHong GUO

H25 STUDY OF PROTEIN BINDING OF HIGHLY HYDROPHOBIC COMPOUNDS USING CAPILLARY ELECTROPHORESIS
Shufang LIU, Hailin WANG, Maoyong SONG, Guibin JIANG

H26 IN VITRO SELECTION OF HIGH-AFFINITY DNA LIGANDS FOR VITELLOGENIN IN CHINESE LOACH *(misgurnus anguillicaudatus)* USING CAPILLARY ELECTROPHORESIS
Tao LI, Wenru LUO, Zhixin WANG, Maoyong SONG, Guibin Jiang, Hailin WANG

H27 FOCUSING OF DYE INTERCALATED DNA FOR BIOANALYSIS USING CAPILLARY ELECTROPHORESIS-LASER-INDUCED FLUORESCENCE
Zhixin WANG, Tao LI, Maoyong SONG, Hailin WANG

H28 ANALYSIS OF FOUR ANTI-BENZO [a] PYRENE DIOL EPOXIDE-DEOXYGUANOSINE ADDUCTS USING HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY-ELECTROSPRAY IONIZATION TANDEM MASS SPECTROMETRY
Feng FENG, Hailin WANG, Maoyong SONG

H29 RESEARCHING GENERATION MECHANISM OF RADICALS ON CATHODE OF INDIRECT ELECTRO-CHEMICAL OXIDATION BY CHEMILUMINESCENCE AND UV-vis SPECTRA
Botao ZHANG, Lixia ZHAO and Jinming LIN

H30 CHIRAL SEPARATION AND DETERMINATION OF ANTIPARKINSONIAN DRUG ROTIGOTINE AND RELATED CHIRAL IMPURITIES BY CAPILLARY ZONE ELECTROPHORESIS USING DUAL CYCLODEXTRIN SYSTEM
Baolin CHU, Baoyuan GUO, Jinming LIN

H31 COMPARISON OF EXTRACTION METHOD OF PBDE IN WASTE ELECTRONIC AND ELECTRIC EQUIPMENT WITH GAS CHROMATOGRAPHY-MASS SPECTROMETRY
Ying LI, Yuki HASHI, Haixia ZHOU, Zhiling CHEN, Jiaxiang HU, Chao ZHANG, Jinming LIN

H32 STUDY ON THE GENERATION MECHANISM OF THE REACTIVE OXYGEN SPECIES ON CALCIUM PEROXIDE BY CHEMILUMINESCENCE
Yong MA, Guangsheng GUO, Jinming LIN

H33 MOLECULARLY IMPRINTED SOLID EXTRATION AND FLOW INJECTION CHEMILUMINESCENCE FOR TRACE ANALYSIS OF 2.4-DICHLOROPHENOL IN WATER SAMPLE
Qinzhong FENG,Feng JI,Wei YAN, Lixia ZHAO, Jinming LIN

H34 MICROTITER CHEMILUMINESCENT IMMUNOASSAY FOR PORSTATE SPECIFIC ANTIGEN(PSA) AND FREE PORSTATE SPECIFIC ANTIGEN(FPSA)
Gen SHI, Lixia ZHAO, Jinming LIN

H35 SIMULTANEOUS DETERMINATION OF 10 ESTROGENS AND THEIR METABOLITES IN WATER USING SOLID-PHASE EXTRACITION FOLLOWED BY LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY
Wei YAN, Min LIU, Qinzhong FENG, Jinmng LIN

H36 DETERMINATION OF CN IN ELECTROPLATING WASTEWATER BY ION EXCLUSION CHROMATOGRAPHY WITH INTEGRATED PULSED AMPEROMETRIC DETECTION
Jing HAN, Lina LIANG, Yaqi CAI, Shifen MOU, Yiqiang LU

H37 ARSENIC REMOVAL FROM WATER BY NANOTUBE TiO2
Jieming WANG, Hongyun NIU, Yaqi CAI, Yali SHI, Shifen MOU

H38 BIOMIMETIC ACCUMULATION OF PAHs FROM SOILS BY TRIOLEIN EMBEDDED CELLULOSE ACETATE MEMBRANES (TECAMs) TO ESTIMATE THEIR BIOAVAILABILITY
Yuqiang TAO, Shuzhen ZHANG, Zijiang WANG

H39 POLYCHLORINATED NAPHTHALENES IN SURFACE SEDIMENTS OF THE YANGTZE ESTUARY
Li GUO, Minghui ZHENG, Ke XIAO, Bing ZHANG, Qinghua ZHANG

H40 DISTRIBUTION AND SOURCES OF POLYCYCLIC AROMATIC HYDROCARBONS IN THE YELLOW RIVER ESTUARY AND THE YANGTZE RIVER ESTUARY, CHINA

Yamei HUI, Minghui ZHENG, Zhengtao LIU, Lirong GAO, Lipeng FANG

H41 DETERMINATION OF PERFLUORINATED COMPOUNDS IN WATER SAMPLES BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY-ELECTROSPRAY TANDEM MASS SPECTROMTRY
Ping ZHANG, Yali SHI, Yaqi CAI, Shifen MOU

H42 SIMULTANEOUS DETERMINATION OF DOW AND pKa WITH HOLLOW FIBER-PROTECTED NEGLIGIBLE DEPLETION LIQUID-PHASE MICROEXTRACTION
Xiaoqiang CAI, Jingfu LIU, Xialin HU, Zifu LI, Guibin JIANG

H43 DETERMINATION OF THIOPHANATE-METHYL AND CHLOROTOLURON IN WATER SAMPLES BY IMPROVED SINGLE-DROP MICROEXTRACTION COUPLED WITH HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY
Junping XIAO, Qingxiang ZHOU, Cuiling YE

H44 TOXICITY AND DISTRIBUTION OF NANO-SILVER IN THE ADULT MEDAKA AND THE CHINESE RARE MINNOW
Qunfang ZHOU, Jianjie FU, Guibin JIANG

H45 FRACTIONATION OF HEAVY METALS IN SEWAGE SLUDGE FROM WASTEWATER TREATMENT PLANTS
Tiantian LIU, Bin HE and Guibin JIANG

H46 DDT ANALYSIS IN THE SOIL OF A HISTORICAL DDT WORKSHOP
Changliang LI, Wenbin LIU, Li WANG, Te BA, Lirong GAO, Lifei ZHANG and Minghui ZHENG

H47 ORGANOTIN SPECIATION ANALYSIS IN THE SEASHELLS BY HPLC-ICP-MS
Dengyun CHEN, Zhenhua YU, Xiaoru WANG

H48 COMBINED EFFECT OF DISSOLVED HUMIC ACIDS AND IMIDAZOLIUM-BASED IONIC LIQURD ON THE FREE CONCENTRATION OF PAHs
Zhichao LIU, Liujing FU, Guibin JIANG and Zifu LI

H49 HIGH PURITY WATER FOR PERCHLORATE ANALYSIS
Estelle RICHE, Ichiro KANO, Elodie CASTILLO, Jian Zhong ZHU, and Stephane MABIC

H51 ARSENIC IN CHINESE HERB MEDICINES: A NEW PERSPECTIVE OF SAFETY EVALUATION
Chun-Gang YUAN, Erle GAO, Yu ZHANG, Bin HE and Guibin JIANG

H52 ANALYSIS OF VOLATILEE ARSENIC SPECIES GENERATED BY BACTERIA BEARING arsM GENE
Chun-Gang YUAN, Xiufen LU, Jie QIN, Barry P. ROSEN, and X. Chris LE

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