- Science Program -

Tuesday, November 15, 2011

Time	Program		
08:00 - 09:00 (60min)	Registration		**Poster** 09:00 - 18:30 ***Presentation time** 17:10 - 18:30
09:00 - 09:10 (10min)	Welcome address *(Auditorium)*		
09:10 - 09:50 (40min)	**Plenary Lecture** **-Material Analysis-** *(Auditorium)*		
09:50 - 10:10 (20min)	Coffee Break		
10:10 - 12:10 (120min)	**S1** **-Bioanalysis-** *(Auditorium)*	**S2** **-Material Analysis-** *(Conference Room)*	
12:10 - 13:30 (80min)	Lunch *(KBSI restaurant)*		
13:30 - 14:10 (40min)	**Korea-EU Special Session** *(Auditorium)*		
14:10 - 14:50 (40min)	**Plenary Lecture** **-Environmental Analysis-** *(Auditorium)*		
14:50 - 15:00 (10min)	Photo		
14:50 - 15:10 (20min)	Coffee Break		
15:10 - 17:10 (120min)	**S3** **-Bioanalysis-** *(Auditorium)*	**S4** **-Environmental Analysis-** *(Conference Room)*	
17:10 - 18:30 (80min)	**Poster Session** *(Lobby)*		
18:30 - 21:00 (150min)	**Conference Dinner** **(Invited Only)**		
21:00 -	Return to *Kyeryong Spatel* (**Invited Only**)		

Wednesday, November 16, 2011

Time	Program		
09:00 - 10:20 (80min)	**Korea-EU Special Session** *(Auditorium)*		**Poster** 09:00 - 16:30
10:20 - 10:40 (20min)	Coffee Break		
10:40 - 12:10 (90min)	**S5 -Analytical Chemistry-** *(Auditorium)*	**S6 -Material Analysis-** *(Conference Room)*	
12:10 - 13:30 (80min)	Lunch *(KBSI restaurant)*		
13:30 - 14:10 (40min)	**Plenary Lecture -Analytical Chemistry-** *(Auditorium)*		
14:10 - 14:30 (20min)	Coffee Break		
14:30 - 16:30 (120min)	**S7 -Analytical Chemistry-** *(Auditorium)*	**S8 -Bioanalysis-** *(Conference Room)*	
16:30 - 17:30 (60min)	Move to Ochang Center **(Invited Only)**		
17:30 - 18:30 (60min)	**Excursion to Ochang Center (Invited Only)**		
18:30 - 20:30 (120min)	Dinner **(Invited Only)**		
20:30 - 21:30 (60min)	Return to Daejeon (By bus/ *Kyeryong Spatel*)		

- Plenary Lectures -

Plenary Lecture 1 (November 15(Tue), 09:10-09:50)

Chair : Dr.Youn-Joong Kim (Korea Basic Science Institute)

Prof. Hirotaro Mori (Osaka University, Japan)

Title : Overview of HVEM investigations in materials science

Plenary Lecture 2 (November 15(Tue), 14:10-14:50)

Chair: Dr. Chang-Sik Cheong (Korea Basic Science Institute)

Prof. Pavel Povinec (Comenius University, Slovakia)

Title : New analytical technologies for new science

Plenary Lecture 3 (November 16(Wed), 13:30-14:10)

Chair: Dr. Euh Duck Jeong (Korea Basic Science Institute)

Prof. Carlito Lebrilla (Univ. of California Davis, USA)

Title : Quantitive analysis of protein glycosylation for monitoring health and diseases

Plenary Lecture 4 (Korea-EU Special Session I) (November 15(Tue), 13:30-14:10)

Chair: Dr. Chang-Sik Cheong (Korea Basic Science Institute)

Dr. Janez Dolinšek (Jožef Stefan Institute, Slovenia)

Title : Magnetite Fe_3O_4 nanoparticles: basic physics and application

Plenary Lecture 5 (Korea-EU Special Session II) (November 16(Wed), 09:00-09:40)

Chair: Dr. Hae Jin Kim (Korea Basic Science Institute)

Prof. Stefan Jurga(Adam Mickiewicz Univ., Poland)

Title : to be announced

Plenary Lecture 6 (Korea-EU Special Session III) (November 16(Wed), 09:40-10:20)

Chair: Dr. Hae Jin Kim (Korea Basic Science Institute)

Dr. Georgios Papavassiliou(Institute of Materials Science, Greece)

Title : MHz Broadline NMR in the Study of Novel Strongly Correlated Electron Materials

- Sessions -

November 15(Tue)

SESSION 1 – Bioanalysis Ⅰ (10:10-12:10), *Auditorium*

Chair: Dr. Seung Il Kim (Korea Basic Science Institute)

S1-1 (10:10-10:40)

Prof. Visith Thongboonkerd (Mahidol University, Thailand)

Title : to be announced

S1-2 (10:40-11:10)

Prof. Je Chul Lee (Kyungpook National University)

Title : A Pathogenic Potential of Acinetobacter baumannii-Derived Membrane Vesicles

S1-3 (11:10-11:40)

Prof. Jamunarani A/P S Vadivelu (University of Malaya, Malaysia)

Title : Functional Analysis of *Burkholderia* Secretory Virulence Factors

S1-4 (11:40-12:10)

Dr. Zee-won Lee (Korea Basic Science Institute)

Title : Novel Technology for Protein-Protein Interation-based Targeted Drug Discovery

SESSION 2 – Material Analysis Ⅰ (10:10-12:10), *Conference Room*

Chair: Dr.Younghun Jo (Korea Basic Science Institute)

S2-1 (10:10-10:40)

Dr. Arup Kumar Raychaudhuri (S.N.Bose National Centre, Kolkata)

Title : to be announced

S2-2 (10:40-11:10)

Prof. Jinwoo Cheon (Yonsei University)

Title : Functional magnetic nanoparticles

S2-3 (11:10-11:40)

Dr. Nguyen Quang Liem (IMS/VAST, Vietnam)

Title : Applications of Modern Analysis Techniques for Searching back Ancient Art Ceramic Technologies

S2-4 (11:40-12:10)

Dr. SangGap Lee (Korea Basic Science Institute)

Title : to be announced

SESSION 3 – Bioanalysis Ⅱ (15:10-17:10), *Auditorium*
Chair: Dr. Jeongkyu Bang (Korea Basic Science Institute)

S3-1 (15:10-15:40)
Dr. Hanudatta S. Atreya (Indian Institute of Science, India)
Title : New methods for NMR spectral analysis and protein structure determination

S3-2 (15:40-16:10)
Prof. HyungJoon Cho (Ulsan National Institute of Science and Technology)
Title : Quantitative in vivo imaging of tumor microenvironments

S3-3 (16:10-16:40)
Prof. Ching-Po Lin (National Yang-Ming University, Taiwan)
Title : Measurements of brain microstructure and connectivity with diffusion MRI

S3-4 (16:40-17:10)
Dr. Hanju Rhee (Korea Basic Science Institute)
Title : Ultrafast Chiroptical Spectroscopy: Monitoring Optical Activity in Quick Time

SESSION 4 – Environmental Analysis (15:10-17:10), *Conference Room*
Chair: Dr. Jeongmin Kim (Korea Basic Science Institute)

S4-1 (15:10-15:40)
Dr. Nora Vajda (RadAnal Ltd., Hungary)
Title : Up-to-date radiochemical procedures for the determination of long-lived radionuclides in the environment

S4-2 (15:40-16:10)
Prof. Guebuem Kim (Seoul National University)
Title : Measurement and application of radium and radon in the environment

S4-3 (16:10-16:40)
Dr. Xiaolin Hou (National Laboratory for Sustainable Energy, Denmark)
Title : ICP-MS and AMS techniques for Determination of long-lived Radionuclides in the Environment

S4-4 (16:40-17:10)
Dr. Jong-Sik Ryu (Korea Basic Science Institute)
Title : Radiogenic and stable isotopes measurement using a MC-ICP-MS

November 16(Wed)

SESSION 5 – Analytical Chemistry Ⅰ (10:40-12:10), *Auditorium*

Chair: Dr. Jong Shin Yoo (Korea Basic Science Institute)

S5-1 (10:40-11:10)

Prof. Ivan K. Chu (Hong Kong University, Taiwan)

Title : Fully automatable multi-dimensional liquid chromatography with online tandem mass spectrometry for shotgun proteomics

S5-2 (11:10-11:40)

Dr. Hyun Joo An (Graduate School of Analytical Science and Technology)

Title : Multi-Glycomics platform Approach for Cancer

S5-3 (11:40-12:10)

Dr. Jong Shin Yoo (Korea Basic Science Institute)

Title : Mass Spectrometry for Analysis of Cancer Biomarker from Human Plasma

SESSION 6 – Material Analysis Ⅱ (10:40-12:10), *Conference Room*

Chair: Dr. Sang Hun Jeong (Korea Basic Science Institute)

S6-1 (10:40-11:10)

Prof. Zhang Di (Shanghai Jiao Tong University, China)

Title : Bio-inspired Functional Materials Converted from Nature Species

S6-2 (11:10-11:40)

Prof. Dong Pyo Kim (Chungnam National University)

Title : Lab-on-a-Chip Systems with Embedded Structures for Chemical Applications

S6-3 (11:40-12:10)

Dr. Weon-Sik Chae (Korea Basic Science Institute)

Title : Fluorescence lifetime imaging for emissive nanomaterials

SESSION 7 – Analytical Chemistry Ⅱ (14:30-16:30), *Auditorium*

Chair: Dr. Oc Hee Han (Korea Basic Science Institute)

S7-1 (14:30-15:00)

Dr. Shang-Bin Liu (Academia of Sinica, Taiwan)

Title : Acidity of Solid and Liquid Acids Probed by P-31 NMR Chemical Shifts of Phosphine Oxides

S7-2 (15:00-15:30)

Dr. Sonjong Hwang (CalTech, USA)

Title : Solid State NMR Characterization of Complex Metal Hydrides systems for Hydrogen Storage Applications

S7-3 (15:30-16:00)

Prof. Suwabun Chirachanchai (Chulalongkorn University, Thailand)

Title : From A Fundamental Understanding of Hydrogen Bond Network and Chain Mobility in Benzimidazole Model Compounds to Various Designs and Development of Benzimidazole-based Anhydrous Membranes for Proton Exchange Membrane Fuel Cell

S7-4 (16:00-16:30)

Dr. Oc Hee Han (Korea Basic Science Institute)

Title : Direct Alcohol Fuel Cells Investigated by NMR Spectroscopy at the Korea Basic Science Institute

SESSION 8 – Bioanalysis Ⅲ (14:30-16:30), *Conference Room*

Chair: Dr. Geum-Sook Hwang (Korea Basic Science Institute)

S8-1 (14:30-15:00)

Dr. Guowang XU (Chinese Academy of Sciences, China)

Title : Applications of HPLC-MS based metabonomics in disease biomarker discovery

S8-2 (15:00-15:30)

Prof. ChoongHwan Lee (KonKuk University)

Title : MS Based Metabolomic Application for Fermentation Analysis

S8-3 (15:30-16:00)

Dr. Nguyen Van Hung (IMBC/VAST, Vietnam)

Title : Pilot production of Anti-malarial Drug Piperaquine Phosphate and Synthesis of it's metabolites

S8-4 (16:00-16:30)

Dr. Geum-Sook Hwang (Korea Basic Science Institute)

Title : Metabolomics approach for discovering disease biomarkers and understanding metabolic pathway.

- Committee -

Organizing Committee

Chair: Chaejoon Cheong, Vice-President of KBSI

Session	Leader	Member
Material Analysis	Youn-Joong Kim	Younghun Jo Sang Hun Jeong
Bioanalysis	Jeongkyu Bang Seung Il Kim	Geum-Sook Hwang
Analytical Chemistry	Jong Shin Yoo Oc Hee Han	Euh Duck Jeong
Environmental Analysis	Chang-Sik Cheong	Kwang-Sik Lee Jeongmin Kim Jeong Hee Han Dongho Lee
KOR-EU	Hae Jin Kim	

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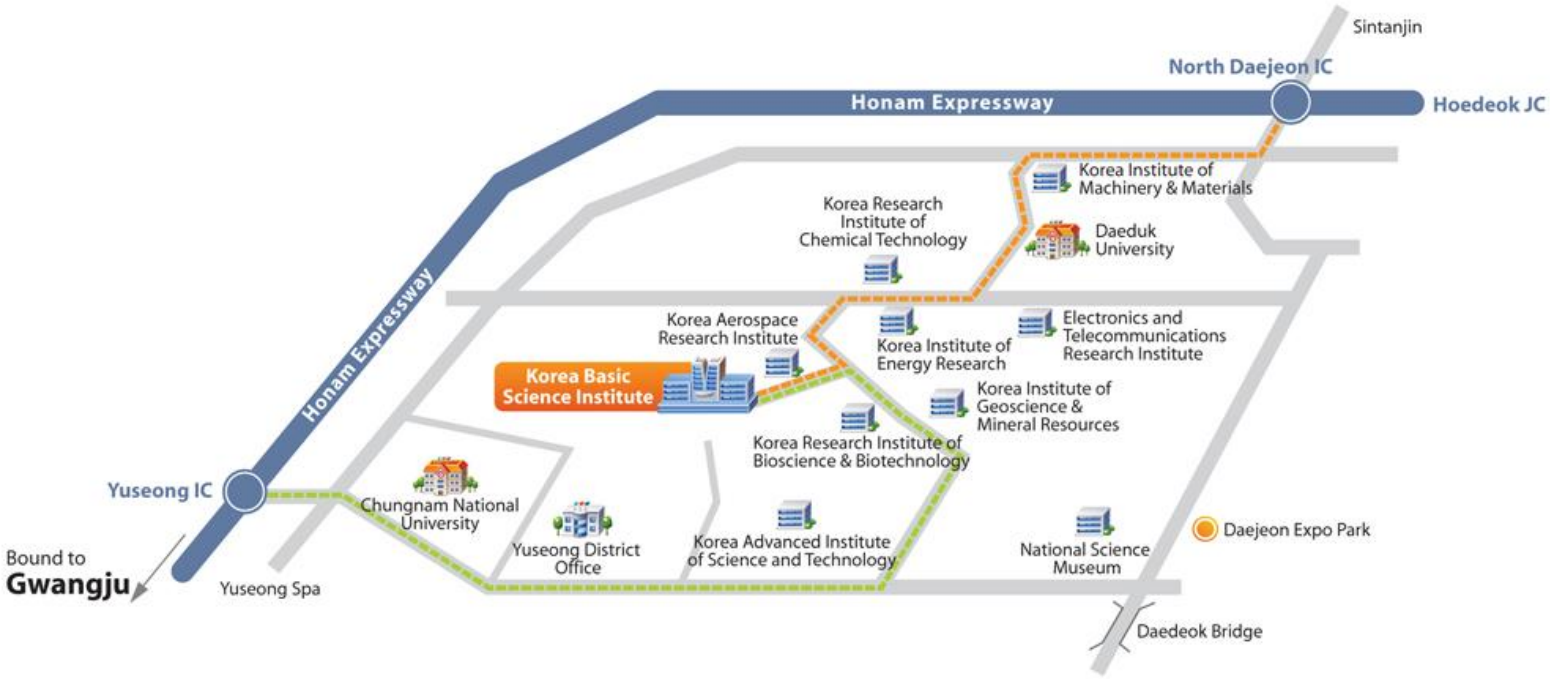
- Venue Map -