

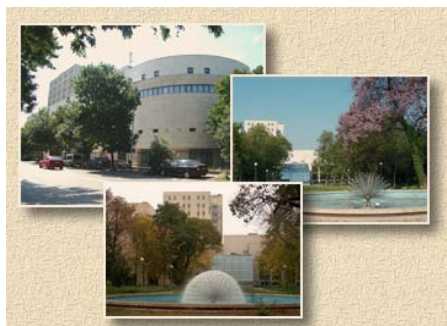


The 6th Romania/Korea Joint Workshop: Molecular Science and Engineering

**Conference Hall of Romanian Academy
Bucharest, Romania
(September 15th – 16th, 2009)**

About Workshop:

This annual workshop is the sixth in series, which has been held bilaterally in Korea and Romania starting from the year of 2005. The workshop endeavors to provide an effective science and engineering forum between Korea and Romania in the areas of chemistry, molecular and material science, and its related engineering. The current status and future trends in nanotechnology, biotechnology, energy, environmental, and combined applications are important topics in the workshop.



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Workshop History

The 1st Workshop in Romania

Aug. 15th – 17th, 2005

Library Hall of Romanian Academy, Romania

- A special memorial event for the MOU agreement between RA and KOSEF
- Special guests: Mr. Dae-Shik Kim (Korean Ambassador to Romania), Acad. Marius Iosifescu (Vice President of Romanian Academy), and Dr. Mihai V. Popa (Director of Institute of Physical Chemistry)
- S.-H. Suh, N.H. Heo, C.-H. Lee, Y.-S. Oh, J.-W. Lee, T.-Y. Kim (Korea); M. Hillebrand, M. Andruh, V.T. Popa, V. Parvulescu, V. Chihaiia, N. Stanica (Romania)

The 2nd Workshop in Romania

Sept. 6th – Sept. 8th, 2006

Halls of Faculty of Chemistry, University of Bucharest, Romania

- A special academic/research event during the first state visit by Korean President, Mr. Moo-Hyun Roh
- Section 16 in the 12th International Conference of Physical Chemistry
- S.-H. Suh, S.-R. Lee, S.-S. Han, J.-W. Lee, T.-Y. Kim, C. Kim (Korea); V.T. Popa, M. Gartner, V. Chihaiia, G. Dobrescu, N. Stanica, G. Munteanu, and others (Romania)

The 3rd Workshop in Korea

April 26th – April 28th, 2007

Main Hall of Keimyung University, Korea

- Invited Lecturers: Prof. Yang-Xin Yu (Tsinghua Univ., China) and Dr. Junji Nishii (National Institute of Advanced Industrial Science and Technology, Japan)
- Research visits to National Center for Nanomaterials Technology and Pohang Accelerator Laboratory
- S.-H. Suh, K.R. Ha, S.-B. Rho, W. Ahn, J.-Y. Bae, S.-W. Jeong (Korea), and others; M. Zaharescu, V.T. Popa, M. Gartner, V. Parvulescu, V. Chihaiia, R. Scurtu (Romania)

The 4th Workshop in Romania

Sept. 3rd – Sept. 5th, 2008

Halls of Faculty of Chemistry, University of Bucharest, Romania

- Section 13 in the 13th International Conference of Physical Chemistry
- S.-H. Suh, J.-Y. Bae, D.-H. Park, K.-K. Park, B.-G. Min (Korea); M. Hillebrand, V.T. Popa, M. Gartner, V. Chihaiia, J.M. Calderon-Moreno, M. Anastasescu (Romania), and others; I. Bako (Hungary); I. Ogurtsov (Moldova)

The 5th Workshop in Korea

May 6th – May 10th, 2009

Auditorium Hall of Hengso Museum, Keimyung University, Korea

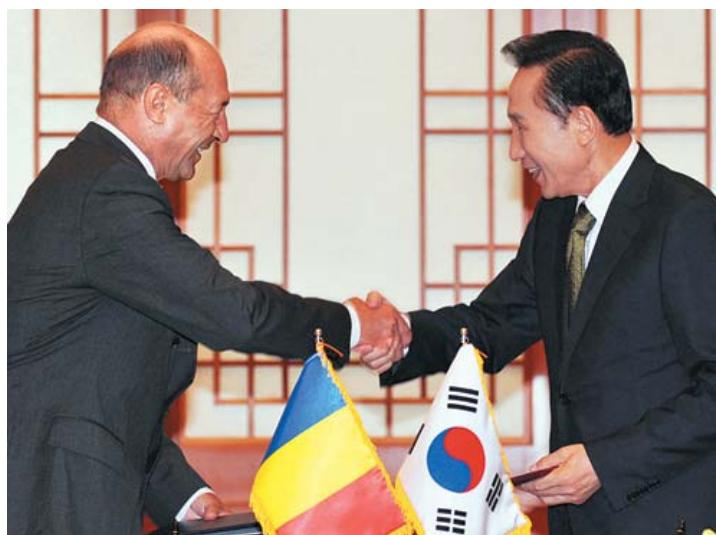
- Invited Lecturers: Acad. Ionel Haiduc (President of Romanian Academy), Prof. Marius Andruh (University of Bucharest), and Dr. Imre Bako (Hungarian Academy of Science)
- Official visits to Korea Foundation for International Cooperation of Science & Technology (KICOS) and Korea Science and Engineering Foundation (KOSEF)
- S.-H. Suh, K.-K. Park, B.-G. Min, S.H. Lee, C.H. Choi, H. Kim, and others (Korea); S. Tanasescu, D.F. Anghel, V. Chihaia, J.M. Calderon-Moreno, G. Munteanu (Romania)

The 6th Workshop in Romania

Sept. 15th – Sept. 16th, 2009

Council Hall of Romanian Academy, Romania

- A back-to-back workshop for the 2nd ANCS/MEST committee meeting
- S.-H. Suh, Y.-A. Son, Y.J. Kim, T.S. Seo, H. Park (Korea); M. Hillebrand, M. Andruh, D.G. Branzea, C.D. Ene, V.T. Popa, C.I. Lepadatu, V. Chihaia, I. Silaghi-Dumitrescu, and others (Romania)



Korea/Romania Summit Meeting between Two Presidents of Myung-bak Lee and Traian Basescu on Sept. 10th, 2008

"...The Republic of Korea will become the first strategic partner of Romania in Asia, reconfirming common global interests, and the high level of cooperation between the two states...This visit reconfirms the importance of Romania attaches to its relation with the Republic of Korea..." (*The Korea Times*)

WORKSHOP PRESENTATION

Date: Sept. 16th, 2009

Place: Conference Hall of Romania Academy, Bucharest, Romania

Welcoming and Opening Remarks (Chair: Vlad T. Popa)

10:00/10:10: **Welcoming Remarks**

Acad. Ionel Haiduc (Romanian Academy, Romania)

10:10/10:20: **Opening Remarks 1**

Dr. Un Woo Lee (Director General, Ministry of Education, Science and Technology, Korea)

10:20/10:30: **Opening Remarks 2**

Mdm. Anca Ghinescu (Director, National Authority for Scientific Research, Romania) (TBA)

Section I (Chairs: Soong-Hyuck Suh and Young-A Son)

10:30/11:00: **Oral Presentation 1**

Integrated Genetic Analysis Microsystem

Tae Seok Seo (Korea Advanced Institute of Science and Technology, Korea)

11:00/11:30: **Oral Presentation 2**

Solar Light-Assisted Electrochemical Water Treatment with Simultaneous Hydrogen Production from Water

Hyunwoong Park (Kyungpook National University, Korea)

11:30/12:00: **Oral Presentation 3**

Korean HapMap Database and Its Future

Young Joo Kim (Korea Research Institute of Bioscience & Biotechnology, Korea)

12:00/12:30: **Oral Presentation 4**

Design and Characterization of Solvatochromic Chromophore Based on D- π -A Molecular System

Young-A Son (Chungnam National University, Korea)

12:30/14:00: **Workshop Lunch** (hosted by the Romanian side)

Section II (Chairs: Marius Andruh and Viorel Chihaiia)

14:00/14:30: **Oral Presentation 5**

Circular Dichroism Spectroscopy of Cyclodextrin Inclusion Complexes: Experimental Data and Molecular Modeling

Mihaela Hillebrand (University of Bucharest, Romania)

14:30/15:00: **Oral Presentation 6**

Designing Coordination Polymers of Different Dimensionalities Using Heterobinuclear Nodes

Diana G. Branzea (University of Bucharest, Romania), Annalisa Guerri, Augustin M. Madalan, Catalin Maxim, Lorenzo Sorace, Andrea Caneschi, Marius Andruh

15:00/15:30: **Oral Presentation 7**

Cationic Copper (II) Complexes As Tectons in Constructing Polymetallic Supramolecular Architectures

Cristian D. Ene (University of Bucharest, Romania)

15:30/16:00: **Oral Presentation 8**

Quantum Fingerprint Descriptors for Atoms in Molecule for CAMD and QSPR: From Drugs to Nanomaterials

Costinel I. Lepadatu (Institute of Physical Chemistry, Romania)

16:00/16:30: **Oral Presentation 9**

A Walk through the World of Germanium Clusters

Ioan Silaghi-Dumitrescu (Babes-Bolyai University, Romania)

17:30/19:30: **Workshop Dinner/Research Discussion** (hosted by the Korean side)

A Daily Schedule Chart

Sept. 13th (Sun):

- Departure from Incheon and arrival in Bucharest

Sept. 14th (Mon):

- Workshop pre-meeting among Korean contributors
- Document preparation for the ANCS/MEST meeting (V.T. Popa/S.-H. Suh)

Sept. 15th (Tues):

- The 2nd Romania/Korea (ANCS/MEST) committee meeting on science and technology
- Overview presentation for the Romania/Korea Joint Workshop (V.T. Popa/S.-H. Suh)
- Compliment dinner (host: Dr. U.W. Lee, MEST) with 5 Korean delegations and 5 Korean workshop contributors

Sept. 16th (Wed):

- The 6th Romania/Korea Joint Workshop
- Workshop lunch (host: Romania) with all contributors
- Workshop dinner (host: Korea) with all contributors
- Research meeting for next workshop with workshop committee members

Sept. 17th (Thus):

- Departure from Bucharest

Sept. 18th (Fri):

- Arrival in Incheon

(Flight booking)

Sept. 13 (Sun) ICN/FRA 13:15/17:35 (KE905); FRA/OTP 20:30/21:45 (LH3416)

Sept. 17 (Thur) OTP/FRA 14:15/15:50 (LH3413); FRA/ICN 19:45/13:05+1day (KE906)

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