First circular

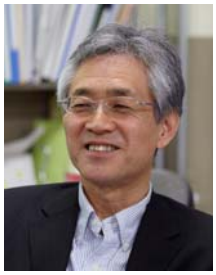
Organized by Resources Environment and Materials R&D center (Korea Institute of Geoscience and Mineral Resources, KIGAM), Ministry of Knowledge Economy, Korea Institute of Limestone and Advanced Materials (KILAM), Kansai University, and the Resources Processing Society of Japan and sponsored by The Korean Institute of Resources Recycling, Korea Institute of Energy Technology Evaluation and Planning (KETEP), POSCO, LS-Nikko Copper Inc., and Resources, NEVIEN, Hanil Cement, Hansol Paper, The Society of Chemical Engineers, Japan, The Japan Institute of Metals, The Mining and Materials Processing Institute of Japan, Japan Society of Material Cycles and Waste Management.

General Scope

The Organizing Committee Cordially invites you to participate in **The 10th Anniversary Korea/Japan International Symposium on and Resources Recycling and Materials Science**, which will be held from May 28 to May 30, 2012 in Daedeok Science Town, Daejeon, Korea. The objectives of symposium are to share the latest research results, to exchange ideas and to boost the cooperative relatives among materials and resources engineers concerned with material sciences and resources recycling.

Chair Persons

Dr. Ji-Whan Ahn (KIGAM)



Prof. Junji Shibata (Kansai University)
President of Resources Processing Society of Japan

The Topics of the Technical Sessions

- Conventional Mining Engineering
- Mineral Processing and Utilization
- Resource Recycling Technology
- Environmental Energy Technology
- Environmental Friendly Functional Materials
- Lime, Accelerated Carbonation Technology & CO_2 Sequestration Technology

Confirmed Plenary Speakers

Professor Douglas W. Fuerstenau

Professor Emeritus, UC Berkeley, USA

Title : Surfactant Adsorption and Its Role in Separations

Professor Jae-hyun Oh

Professor Emeritus, Yonsei University, Korea

Title : Urban Mine Resources and Recycling of Metals in Korea

Professor Takahide Wakamatsu

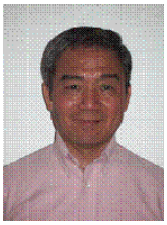
Professor Emeritus, Kyoto University, Japan

Title : The title will be added in the 2nd circular.

Professor Michael Hoffmann

California Institute of Technology, USA

Title : The title will be added in the 2nd circular.



Professor Gordon C. C. Yang

National Sun Yat-Sen University, Taiwan

Title : A Novel Electrochemical Technology for Wastewater Treatment and Reclamation

Organizing Committee

Chairpersons

Dr. Ji Whan Ahn, *KIGAM, Korea*
Prof. Junji Shibata, *Kansai Univ., Japan*

Advisory Committee

Dr. So-Keul Chung, *Executive Director, KIGAM, Korea*
Prof. Jae-hyun Oh, *Professor Emeritus, Yonsei Univ., Korea*
Dr. Jong-Kee Oh, Honorary Researcher, KIST, Korea
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Prof. Sukeyuki Mori, *Professor Emeritus, Kyushu Univ., Japan*
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Prof. Masafumi Maeda, *The Univ. of Tokyo, Japan*
Prof. Yasuhiro Awakura, *Professor Emeritus, Kyoto Univ., Japan*
Prof. Shinya Matsuo, *Osaka Univ., Japan*
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Prof. Toshiharu Fujisawa, *Nagoya Univ., Japan*
Prof. Yoshinari Baba, *Univ. of Miyazaki, Japan*
Prof. Masayasu Kawahara, *Kumamoto Univ., Japan*
Dr. Takao Kawai, *Kobelco Eco-Solution Co.Ltd., Japan*
Dr. Mikio Kobayashi, *JOGMEC, Japan*
Prof. Douglas W. Fuerstenau, *Professor Emeritus, UC Berkeley, USA*
Prof. Mark Williams, *Univ. of Utah, USA*
Prof. Ponisseril Somasundaran, *Columbia Univ. USA*
Prof. Thomas Healy, *Professor Emeritus, Melbourne Univ., Australia*
Dr. James E. Gebhardt, *Process Engineering Resources, Inc. USA*
Dr. Pradip, *Tata R&D Design Centre, TCS, India*
Prof. Gordon Yang, *National Sun Yat-Sen University, Taiwan*

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Dr. Sung-Joo Lee, *KIGAM*
Dr. Sookyung Kim, *KIGAM*
Dr. Kwan-Ho Kim, *KIGAM*

Deadline

Abstract Deadline: April 15, 2012

Contribution is invited from any author to submit the abstracts on the above topics by e-mail. The abstract from Korea should be submitted to ecopcclab@paran.com and that from Japan should be at m-ueda@kansai-u.ac.jp. The abstract should not exceed 200 words.

*Format (MS Word) is attached.

Full Paper Deadline: April 30, 2012

The committee of this symposium will invite several plenary and invited speakers. Full paper for the plenary and invited speakers should be submitted before April 30, 2012 by e-mail. The full paper from Korea should be submitted to ecopcclab@paran.com that from Japan should be at m-ueda@kansai-u.ac.jp. The manuscript should be arranged within 8 pages.

Registration Deadline: April 30, 2012

The registration should be done before April 30, 2012 by e-mail (ecopcclab@paran.com).

*Format (MS Word) is attached.

Schedule

The symposium is for three days on the May 28-30, 2012.

<table>
<tr><th>Time</th><th>May 28
Monday</th><th>May 29
Tuesday</th><th>May 30
Wednesday</th></tr>
<tr><td>8:30-9:00</td><td rowspan="8"></td><td>Registration at Daejeon Convention Center</td><td></td></tr>
<tr><td>9:00-12:00</td><td>Opening Ceremony and Plenary Speeches</td><td>Invited Speeches and General Speeches</td></tr>
<tr><td>12:00-13:00</td><td>Lunch</td><td>Lunch</td></tr>
<tr><td>13:00-15:00</td><td rowspan="2">General Speeches</td><td>General Speeches</td></tr>
<tr><td>15:00-17:30</td><td rowspan="2">Technical Tour (Daedeok Science Town, Daejeon)</td></tr>
<tr><td>17:30-18:00</td><td rowspan="3"></td></tr>
<tr><td>18:00-19:00</td><td>Registration
at Hotel Riviera</td><td rowspan="3">Farewell Party at Gyeryongsan Natural History Museum (Gongju-city)</td></tr>
<tr><td>19:00-20:00</td><td>Welcome Party
at Hotel Riviera</td><td rowspan="2">Banquet at Daejeon Convention Center</td></tr>
<tr><td>20:00-21:30</td><td></td><td></td></tr>
</table>

Registration Fee

The registration fee includes the cost of one copy of the symposium proceedings, participation in the symposium, welcome party, farewell party, banquet, lunch and technical tour. The participant of this symposium will pay the registration fee at the registration desks in Hotel Riviera (Yuseong) and Daejeon Convention Center. All registration fees are set in KRW.

- **Symposium participant: 300,000 KRW**
- **Student, Accompanying person: 200,000 KRW**

Accommodation

Hotel Riviera (Yuseong) is recommended to stay, which is located in a convenient area. The special prices (121,000 KRW/double bed room, 145,200 KRW/twin-bed room, including TAX-50 % discount price) will be applied to the participants. Breakfast should be ordered separately (18,150 KRW/person, buffet). ***The guest house in Korea Institute of Geoscience and Mineral Resources*** is also available with the price of 60,000 KRW/double bed room for 1 or 2 person(s) and 40,000 KRW/single bed room for one person (including TAX). Free shuttle service (Hotel Riviera - Guest House - Convention Center) for the participants will be prepared by the organizing committee. The hotel or guest house reservation should be made through the symposium (ecopcclab@paran.com) before April 30 2012.

Hotel Riviera Yuseong:
(HP) http://www.hotelriviera.co.kr/ (TEL) +82 42 823-2111

History of The Symposium

(1) The 1st Japan/Korea International Symposium on Resources Recycling and Materials Science, Kansai University, Osaka, Japan, September 4-5, 2003.

(2) The 2nd Korea/Japan International Symposium on Resources Recycling and Materials Science, Kansai University, Danyang, Korea, December 10-22, 2004.

(3) The 3rd Japan/Korea International Symposium on Resources Recycling and Materials Science, National Institute of Advanced Industrial Science and Technology, Tsukuba, Japan, January 12-13, 2006.

(4) The 4th Korea/Japan International Symposium on Resources Recycling and Materials Science, LOTTE Hotel Jeju, Jeju, Korea, March 8-10, 2007.

(5) The 5th Japan/Korea International Symposium on Resources Recycling and Materials Science, Kitakyushu International Conference Center, Kitakyushu, Japan, December 20-22, 2007.

(6) The 6th Korea/Japan International Symposium on Resources Recycling and Materials Science, Research Institute of Industrial Science and Technology, Pohang, Korea, November 20-21, 2008.

(7) The 7th Japan/Korea International Symposium on Resources Recycling and Materials Science, Kyoto Garden Palace, Kyoto, Japan, December 15-18, 2009.

(8) The 8th Korea/Japan International Symposium on Resources Recycling and Materials Science, RAMADA Seoul Hotel, Seoul, Korea, June 24-25, 2010.

(9) The 9th Japan/Korea International Symposium on Resources Recycling and Materials Science, Kansai University, Osaka, Japan, May 30 - June 1, 2011.

The 10th Korea/Japan International Symposium on Resources Recycling and Materials Science

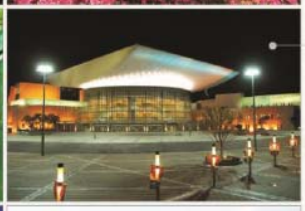
Daejeon Convention Center (DCC), Daedeok Science Town, Daejeon, Korea

May 28-30, 2012

Call for Papers : Deadline – April 30, 2012

E-mail : ecopcclab@paran.com

The Best City to Live in, Daejeon



Area & Population

The Fifth Largest City

In 1949, Daejeon was just 35.7㎢, and had 126,704 residents. Today, the City has a total area of 539.84㎢ and 1.5 million people, making it the fifth largest city in Korea.

Science

'Mecca' of Science and Technology

As a world-class 'Mecca' of science and technology, Daejeon is host to 70 research institutes that include universities, government - funded research centers and privately owned institutes. The 'Daedeok Innopolis' is comprised of approximately 800 corporations, providing over 20,000 jobs for residents of Daejeon. Functioning under UNESCO, one can also find the headquarters of the World Technopolis Association (WTA) in Daejeon, strengthening the City's renowned reputation for science and technology.

Administration

Daejeon is the Future 'Era of Central Dominance' of Korea

Daejeon is home to many central government agencies, as well as the headquarters of the Army, the Navy and the Air Force. With the infrastructure already in place, the plan to develop a Multifunctional Administrative City (MAC) that combines Daejeon, Cheonan and Cheongju, will establish Daejeon as the focal point of the future 'Era of Central Dominance' of Korea.

History

270,000 Years of History

The history of Daejeon dates back to the Old Stone Age, which was over 270,000 years ago. Under the influence of 'Uam Song Si-yeol', the compiler of the Sung Confucianism, Daejeon was known as a City of Gentlemen. Modern Daejeon grew rapidly with the relocation of the Chungnam Provincial Office from Gongju. The creation of the Daedeok Research Complex in 1974, the transfer of the ROK Forces headquarters in 1989, and the establishment of the Daejeon Government Complex in 1998 have all contributed to the importance of Daejeon in central Korea.

Culture

Diversity and Generosity

Visitors to the City often remark on the friendliness and generosity of its local residents. Designated as the Nation's MICE city, Daejeon strives to become the foremost hospitable community in Korea.

Environment

The Best Place to Live

As a planned city, Daejeon offers the most convenient infrastructure and amenities: well controlled traffic, good public transportation system, schools with modern facilities, several large scale cultural venues, and many recreational areas.

Optimal Convention Environment

High-tech Convention Complex

The Grand Ballroom and the Exhibition Hall of the Daejeon Convention Center accommodate between 2,000 and 2,600 people respectively, while KOTREX (KOTRA Trade Exhibition Center) can host approximately 5,000 people. Other large scale venues include the Daejeon Culture & Arts Center, which can house up to 2,300 people and the CMB Expo Art Hall, which can seat another 1,100 people. All of these facilities are within a 5-minute walking distance within the Convention Complex.

The Unique Service of Daejeon Convention & Visitors Bureau

Comprehensive Service

The Daejeon Convention and Visitors Bureau offers an all-encompassing service from planning to execution for all your convention, exhibition and event needs. Together with our professional partners, which include international meeting planners, hotels, publishing companies, and travel agents, we aim to provide you top-class services under one roof.

- As a non-profit making organization, the Bureau is significantly supported and subsidized by the Daejeon Metropolitan City Government
- The Bureau has direct control over the Convention Center, thus ensuring quality services that include accommodation and banquet management
- Experts who are highly skilled and experienced are at hand to provide the best service available

Convenient Customer-Oriented Service

With a total area of 29,228㎡ and consisting of one basement and four above-ground floors, the Daejeon Convention Center is a venue that meets global standards. Equipped with state-of-the-art facilities, the Center has 24 meeting rooms of various sizes, a grand ballroom, an exhibition hall, and a conference hall. All the rooms are ergonomically designed, with the aim to provide not only convenience, but also the utmost comfort.

❶ Exhibition Hall
❷ Grand Ballroom
❸ Meeting room
❹ Conference Hall
❺ Lobby

Grand Ballroom

The Grand Ballroom has a 2,000 seat capacity that can be partitioned into two halls. The chairs are folded electronically by a unique system, and the walls are covered with special materials to provide ambience and acoustics found in a full size auditorium.

Exhibition Hall

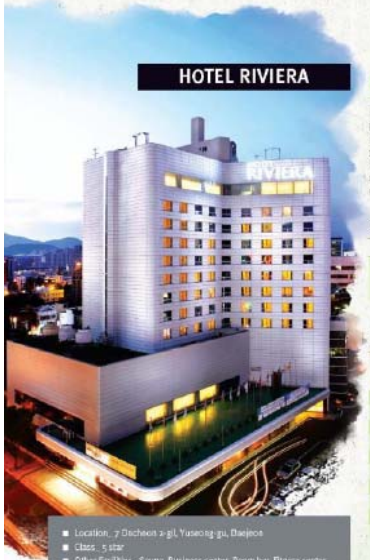
The Exhibition Hall has a total area of 2,520㎡ and is divisible into four separate units. The ceilings and floors are reinforced with sound and vibration absorping materials, thus creating a hall that is multi-functional.

Conference Hall

With 241 seats, the Conference Hall is designed as an auditorium and can host a variety of small scale assemblies, meetings and concerts.

Meeting Room

On the first floor, there are 8 medium sized conference rooms with 70 seats each and a lobby that can accommodate over 300 people. On the second floor, there are 3 medium sized conference rooms and 6 small conference rooms for group meetings and various other functions.



Hotel Riviera www.hotelriviera.co.kr

Hotel Riviera Yuseong was opened in 1998 with the goal of providing 'optimal service at affordable prices'. Since then, Hotel Riviera Yuseong is making the utmost effort to ensure that our guests can benefit from the best services with ease and comfort. Hotel Riviera Yuseong is situated at the center of Daejeon, renovated in 2006 to the leading hotel in central Korea guests may look forward to a very high quality of service.

- Location_ 7 Docheon 2-gil, Yuseong-gu, Daejeon
- Class_ 5 star
- Other Facilities_ Sauna, Business center, Room bar, Fitness center, Buffet restaurant, Bakery, Beauty shop, Sky lounge
- Tel_ 482. 42. 823. 2111
- Fax_ 482. 42. 822. 5250

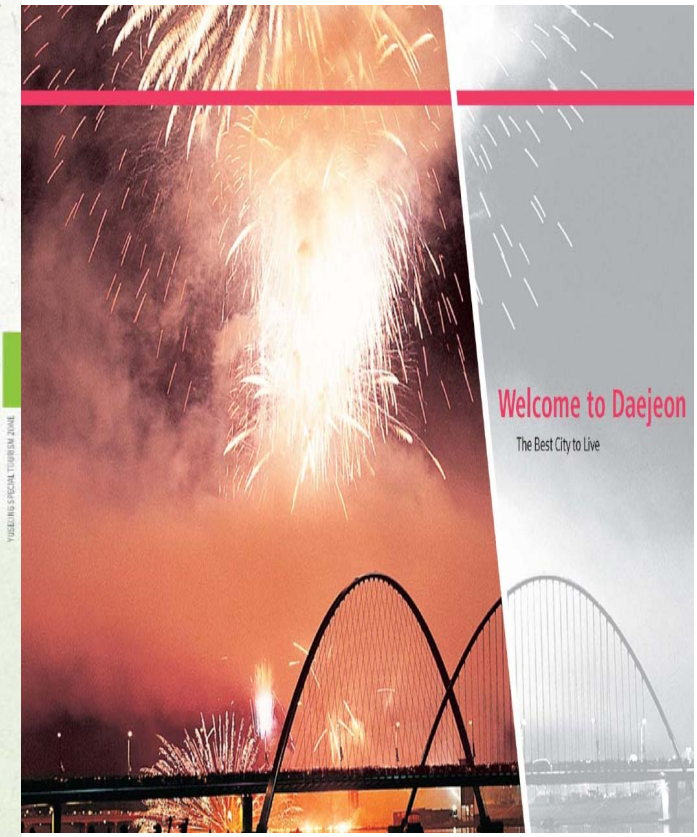
Guest Rooms

Total	Suite	Deluxe	Single	Twin	Ondol Twin	Ondol	
174	Junior suite 3 Royal suite 1	36	10	36	54	Ondol Family Ondol Korean Suite	28 3 3

Banquet & Meeting Rooms

Name of Room	Area (㎡)	Capacity (seats) Seminar	Theater	Banquet	Reception
Dynasty	960.3	750	1,200	650	1,000
Dynasty I	313.5	230	350	200	300
Dynasty II	333.3	250	400	230	350
Dynasty III	313.5	230	350	200	300
Grace	646.8	400	500	350	450
Torch	425.7	350	500	300	400
Torch I	171.6	150	180	120	170
Torch II	82.5	40	80	40	60
Torch II	171.6	150	180	120	170
Peony	224	120	150	100	150

❶ Junior suite
❷ 1F Torch Hall
❸ 2F Grace Hall



The 10th ANNIVERSARY K/J SYMP. Registration Form

Please send this form to ecopcclab@paran.com (Deadline: April 30)

Name:

Title of paper:

Affiliation:

E-mail:

Arrival date: (2012.____.____), Departure date (2012.____.____)

<table>
<tr><th colspan="3">Item</th><th colspan="2">Content</th><th>Check</th></tr>
<tr><td rowspan="11">Official Item</td><td colspan="2" rowspan="2">Registration Fee</td><td rowspan="2">including proceedings, lunch, banquet, welcome party, farewell party, technical tour fees</td><td>Symposium participants</td><td>( ) 300,000 KRW</td></tr>
<tr><td>Student, Accompanying person</td><td>( ) 200,000 KRW</td></tr>
<tr><td rowspan="9">Accommodation</td><td rowspan="5">Hotel Rievera</td><td rowspan="2">Double bed room</td><td>121,000 KRW/day</td><td>____ nights</td></tr>
<tr><td>Breakfast</td><td>____ days × ____ person(s)</td></tr>
<tr><td rowspan="3">Twin bed room</td><td>145,200 KRW/day</td><td>____ nights
for 1 or 2 person(s)</td></tr>
<tr><td>Breakfast</td><td>____ days × ____ person(s)</td></tr>
<tr><td colspan="2">If you have a person with whom you share room.
Roommate name: ( )</td></tr>
<tr><td colspan="2" rowspan="3">Guest House in KIGAM
◇Only for the Students</td><td>40,000 KRW/day</td><td>____ Nights</td></tr>
<tr><td>60,000 KRW/day</td><td>____ nights
for 1 or 2 person(s)</td></tr>
<tr><td colspan="2">If you have a person with whom you share room.
Roommate name: ( )</td></tr>
<tr><td colspan="2">Welcome Party</td><td>Hotel Rieviera</td><td colspan="2">( ) Free, ____ person(s)</td></tr>
<tr><td colspan="2">Banquet</td><td>Daejeon Convention Center</td><td colspan="2">( ) Free, ____ person(s)</td></tr>
<tr><td colspan="2">Technical Tour</td><td>Daedeok Science Town, Daejeon</td><td colspan="2">( ) Free, ____ person(s)</td></tr>
<tr><td colspan="2">Farewell Party</td><td>Gyeryongsan Natural History Museum (Gongju-city)</td><td colspan="2">( ) Free, ____ person(s)</td></tr>
</table>

Date _____ Signature

The 10th ANNIVERSARY K/J SYMP. Abstract Submission Form

Please send this form to ecopcclab@paran.com (Deadline: April 15)

(Name)
(e.g. Ji-Whan Ahn, Kwang-Suk You, Joobeom Seo)

(Affiliation)
(e.g. Korea Institute of Geoscience and Mineral Resources, Korea)

(Address)
(e.g. 30 Gajeong-dong, Yuseong-gu, Daejeon 305-350, Korea)

(E-mail address)
(e.g. ecopcclab@paran.com)

(Title)
(e.g. Accelerated Carbonation Technology.....)

( ) Poster or (○) Oral

(Abstract)
(e.g. Carbonation is....)

Abstracts should not exceed 200 words.