

**Second Announcement  
EKC2008  
EU-Korea Conference on Science and Technology**



**28-31 August, 2008  
Marriott Hotel  
Heidelberg, Germany**

Current research fields in science and technology will be presented and discussed at the EKC2008, which will inform about the interests and directions of EU countries and Korea.

The Korean Scientists and Engineers Association in the FRG (VeKNI) is organizing the EKC2008 jointly with the Korean Scientists and Engineers Association in the UK (KSEAUK), the Korean Scientists and Engineers Association in France (ASCoF), and the Korean Scientists and Engineers Association in Austria (KOSEA). This conference is dedicated to the 35<sup>th</sup> anniversary of the foundation of VeKNI.

## **Objective**

The EU has been steadily increasing both in the number of its members and in its economic volume. The different economies of the EU countries are becoming more unified, and are achieving a close cooperation in science and technology. For instance, the EU Research Framework Programme - the world's largest funding programme for research projects - prompts research projects throughout the entire EU community. In the future, the EU will play an increasingly leading role in the world.

In the last decades Korea has experienced a rash development of its economy and the level of its science and technology. Korea's economic volume is currently positioned about 12<sup>th</sup> in the world, and it is a leading country in communication technology, home entertainment and shipbuilding. But despite these achievements, many EU citizens still think of Korea as a minor industrial country.

It will be beneficial for both Korea and the EU to come to know each other better, especially in fields of science and technology. EKC2008 has emerged from this idea.

## Introduction

The Conference language shall be English. The Conference will include the following symposiums and forums:

### **Computational Fluid Dynamics (CFD) Symposium**

Co-chairs: Prof. Milovan Peric (CD-adapco), Prof. Eduard Son (Moscow Institute of Physics and Technology)

### **Mechatronics and Mechanical Engineering Symposium**

Co-chairs: Prof. Ruediger Dillmann (University Karlsruhe), Dr. Man-Wook Han (Vienna University Technology)

### **Information and Communications Technology Symposium**

Co-chairs: Prof. Jinho Choi (University of Wales Swansea), Prof. Jivka Ovtcharova (University Karlsruhe)

### **Life and Natural Sciences Symposium**

Co-chairs: Prof. Young-Hyang Park (Muséum National d'Histoire Naturelle), Prof. Tjong-Won Park (University Hannover)

### **Environmental Technology Forum**

Co-chairs: Dr. Jamin Kim (University of Strathclyde), Dr. Wonsun Park (Leibniz Institute of Marine Sciences)

### **Women in Science and Engineering Forum**

Co-chairs: Prof. Myoung-Ah Kang (Blaise Pascal University), Dipl.-Ing. Bo-Hyun Lee (University Erlangen)

### **Technopark and Cluster Information Forum**

Co-chairs: Dr. Keun-Ho Roh (Chungbuk Technopark), Mr. Herbert Hoffmann (Technologiefabrik Karlsruhe)

### **European Young Generation Forum**

Co-chairs: Dr. Chin-Hee Chung (University of Heidelberg), Mr. Kyoungjin Yoo (University of London)

## Symposium Topics

Topics which are foreseen to be addressed in the conference symposiums include, but are not necessarily limited to, the following:

### **Computational Fluid Dynamics (CFD)**

- Industrial Flow Simulations (Aerodynamics, Ship Hydrodynamics, Automotive Engineering)
- Grid Generation and Adaptivity
- Multiphase Flows and Free Boundary Flows
- High Speed Flows and Flows with Heat Transfer
- Parallel Computing in CFD
- Combustion and Reactive Flows
- Physiological Flows
- Fluid-structure Interaction

## **Mechatronics and Mechanical Engineering**

- Robotics and Automation
- Manufacturing Technology
- Mechanics of Solids and Structures
- Aerospace Engineering, Naval Architecture, and Automotive Engineering
- Micro and Nano Systems
- Medical and Biomedical Engineering
- Safety Engineering, Risk Analysis, and Reliability Methods

## **Information and Communications Technology**

- Internet Technologies and Services
- Next Generation Networking Technologies and Network Security
- Wireless Communications, Networks, and Services
- Multimedia Systems and Applications
- Education and Applications of Information and Communication Technologies
- Software Engineering and Embedded Systems
- Information Management in Engineering

## **Life and Natural Sciences**

- Clinical and Translational Medicine
- Life Science and Bioscience
- Organic and Inorganic Chemistry
- Theoretical, Applied and Experimental Physics
- Theoretical and Applied Mathematics
- Applied Nanotechnology in Natural Science
- Climate and Ecosystem

## **Forums**

The conference forums will each have selected speakers and are organised as round table discussion groups to allow an enlivened interaction and information exchange between the participants. The forums will cover the following topics:

### **Environmental Technology Forum**

Environmental experts from Korea and the EU will meet and discuss the following subject: 'EU Korean SIG E forum on curbing climate change: what can the EU-Korea network bring into action?'

### **Women in Science and Engineering Forum**

This forum is intended to provide women in science and engineering with a platform for exchanging information and the creation of a network between the participants living in the different EU countries. Leading female scientists and engineers will be

invited from Korea and the EU to speak of their own experiences in their working environments.

### **Technopark and Cluster Information Forum**

Germany is an export-oriented and high-tech country which has a lack of natural resources, similarly to Korea. The formation of technology clusters has shown to be an effective vehicle in both countries to develop new products and exports in high-tech industries. Representatives from leading technoparks and high-tech clusters from Korea and Germany will meet to exchange their knowledge and experiences and to look for opportunities to co-operate to a mutual benefit.

### **European Young Generation Forum**

Each year since 2002, the Korean Federation of Science and Technology Societies (KOFST) has hosted the Young Generation Forum (YGF) to share the Korean vision of science and technology in the 21st century by bringing together in Korea young Korean scientists and engineers from all over the world. The goal of this forum is to provide an opportunity to the participants from EU countries in the previous YGF's to come together, create a network within the EU and form a basis for a continuing exchange of information.

## **Registration**

Registration can be done by mail, e-mail or fax. Please fill in the form [here](#) and send it to:

EKC2008 Conference Secretariat  
c/o Dr. Seung-Deog Yoo  
Berliner Allee 29  
22850 Norderstedt  
Germany

Tel: +49 40 4105745  
Fax: +49 40 52878410  
Email: [secretariat@ekc2008.org](mailto:secretariat@ekc2008.org)  
URL: <http://www.ekc2008.org>

The registration fees for the conference will be:

- Ordinary registration: Euro 100
- YGF registration: free
- Families of members: Adults: Euro 100, 0-6 years: free  
7-12 years: Euro 15, 13-17years: Euro 30

The registration fee includes accommodation (only for members of VeKNI, KSEAUK, ASCoF and KOSEA), welcome reception, lunches, coffee breaks, one social programme and conference banquet.

All fees shall be paid on site in Euro currency. Please note that credit cards shall not be accepted.

Participants who need a letter of invitation for a visa application to attend the conference should contact Dr. Seung-Deog Yoo ([chair@ekc2008.org](mailto:chair@ekc2008.org)).

## **Call for Papers**

Papers submitted for the conference symposiums should preferably deal with one or more of the topics listed above, but other papers will also be welcome depending on their relevance.

### **Submitting Abstracts**

Abstracts must be submitted electronically by e-mail. The abstract should be single-spaced, in Arial 12-point font, block format, 3 cm margins and contained in a single paragraph with no indents. You must keep your abstract to less than 400 words. Abstracts should be submitted in Microsoft Word or, alternatively, Openoffice format. A template for the abstract is provided [here](#).

Please send the abstracts by email to: [secretariat@ekc2008.org](mailto:secretariat@ekc2008.org).

Abstracts will be reviewed by the Program Committee on the basis of technical quality, originality, clarity and relevance.

### **Submitting Papers**

After the abstract has been accepted the paper must be submitted in the format given [here](#) and should be between 4 and 10 pages long. The papers will be published in the conference proceedings. Only papers strictly adhering to the given format template will be considered for publication.

At least one author of each paper must be registered and attend the conference to present the paper.

### **Important Dates**

- April 30, 2008: Extended deadline for submitting abstracts
- May 15, 2008: Notification of acceptance to authors
- June 15, 2008: Deadline for submitting papers
- July 15, 2008: Registration closes

### **Information for Presentation**

All presentations must be made in English. For each presentation a time of 20 min. including discussion is planned.

## **Awards**

### **Graduate Student Best Paper Award**

To encourage PhD Students to participate in the conference, a Graduate Student Best Paper Award program has been established. Four 500 Euro awards and a certification will be granted to two PhD Students submitting high quality manuscripts (full length

paper). To apply for these awards, an applicant must provide documentation that he is currently enrolled as a PhD student.

### **Best Paper Award**

There will be a best paper award including a prize of 1000 Euro along with a certification. This will be awarded to the best full length paper submitted to the conference.

### **Scholarship Awards**

Each year VeKNI awards scholarships during its annual meeting to its student members who have been very active in the VeKNI events during the past year. This year 5 scholarships will be awarded during this conference. Please contact your local chapter leader for the application form.

## **Conference Committee**

### **Conference Chair**

Dr. Seung-Deog Yoo (VeKNI)

Dr. Ki-Jun Lee (KOFST)

### **Advisory Committee**

Dr. Seung-Deog Yoo (VeKNI)

Mr Jin Il Kim (KSEAUK)

Dr. Yujin Choi (ASCoF)

Dr. Man-Wook Han (KOSEA)

### **Program Committee**

Dr. Doo-Bong Chang (AR&T, Applied Robot & Technologies)

Prof. Jinho Choi (University of Wales Swansea)

Prof. Yongmann Chung (University of Warwick)

Prof. Ruediger Dillmann (University Karlsruhe)

Dr. Man-Wook Han (Vienna University Technology)

Prof. Nahmkeon Hur (Seogang University)

Prof. Seong-Lyun Kim (Yonsei University)

Prof. In So Kweon (KAIST)

Prof. Jeong Won Park (University Hannover)

Prof. Young-Hyang Park (Muséum National d'Histoire Naturelle)

Prof. Jivka Ovtcharova (University Karlsruhe)

Prof. Milovan Peric (CD-adapco)

Prof. Eduard Son (Moscow Institute of Physics and Technology)

### **Organizing Committee**

Dr. Jeong-Wook Seo (University Hamburg), Co-chair

Mr Hyun Joon Lee (University Hamburg), Co-chair  
Ms Ryu Ryun Kim (University Hamburg)  
Mr Hankyu Lee (University Hamburg)  
Ms Hannah Lee (University Hamburg)

## Accommodation

Conference participants can book accommodation at the Heidelberg Marriott Hotel at reduced rates via the Conference Bureau.

The Heidelberg Marriott Hotel is located on the banks of the Neckar River with a picturesque views of the "Odenwald" and the Heidelberg castle. The hotel is 85 km from the Frankfurt International Airport.



Room rates are as shown in the following table:

	<b>Single / Night</b>	<b>Double / Night</b>
Standard Deluxe Room	95 Euro	110 Euro
Room with the view of the Neckar	110 Euro	125 Euro

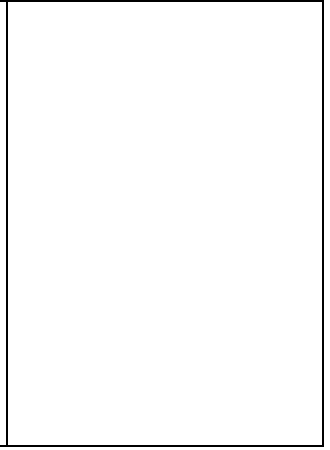
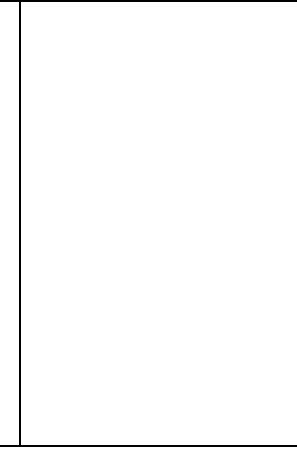
There is no charge for children 17 years and younger when they share a room with parent(s) and utilize existing beds. Baby beds for small children can be put in all rooms. A maximum of two adults and two children is allowed per room. All rooms are equipped with high-speed internet and Wireless-LAN.

The room has to be booked via the Conference Bureau. Otherwise, a regular, more expensive price will apply.

## Social Programme

The following social events and tours are currently planned. Detailed information on the social programme and prices for the optional events will come later.

Event	Date	Remark
Welcome Reception	28 <sup>th</sup> August, 2008	Included in registration
LG Conference Banquet	29 <sup>th</sup> August, 2008	Included in registration
SK Conference Banquet	30 <sup>th</sup> August, 2008	Included in registration
Classical Music Evening	30 <sup>th</sup> August, 2008	Included in registration
<p data-bbox="204 618 550 651">Tour to Romantic Road</p> 	29 <sup>th</sup> August, 2008	Optional
<p data-bbox="204 1193 435 1227">Tour to Loreley</p> 	30 <sup>th</sup> August, 2008	Optional
Sightseeing Heidelberg (including Castle)	31 <sup>st</sup> August, 2008	Free for all participants, Funded by VeKNI



## Sponsors



Further sponsors will be noted on the final conference program.