

Message from the Chairman

Dear Europe's Korean compatriot scientists and engineers,

The year of 2009 bears special significance to us, the Korean Scientists' and Engineers' Association in the UK (KSEAUK), as we reach this year, the 35th anniversary of the association's establishment in the UK, 35, the age of no scepticism and self-reliance. The KSEAUK laid its foundation for the last 35 years through a mountain of trials and errors and, also we have continued our endeavour to improve in terms of quality and quantity for the last 7 years. We now dare to have the confidence to say that we have contributed to the development of science and technology for our homeland.

Following the successful hosting of last year's VeKNI pan-EU Conference (EKC2008) in Heidelberg, Germany, we plan to continue this tradition in 2009 in Reading, UK, with the hosting of EKC2009 at Wokefield Park near London. We are truly excited to be able to provide the opportunity and the venue where Europe's Korean scientists and engineers and also those scientists and engineers in Korea can meet in one place so as to exchange information and network with one another.

The theme for EKC2009 is: "Science and Technology Closer to Humanity - Greenness". For the last half century, we have seen 'science and technology' develop at an extremely fast rate for humans' conveniences and profits. As such, humanity at large enjoys much of the benefits. On the other hand, the indiscriminate development of 'science and technology' has resulted in the pollution, greenhouse effects and other environmental disasters so to threaten the very existence of humanity. It is about time that we admitted that science and technology should not only be a tool of our convenience but also one that is human-friendly and environmentally friendly.

For the duration of the event, parallel with this theme of EKC2009, the Korean Federation of Science and Technology Societies (KOFST) will be hosting a symposium entitled "Ultra-Program", focussing on the area of environmentally friendly technology and energy in depth. Moreover a variety of expert presentations ranging from nanotechnology to aerospace engineering will be delivered at EKC2009, giving you a plenty of opportunities to information exchange and awareness of the issues. We deem your contribution and participation crucial for the successful hosting of pan-EU EKC2009 and hope to see you there.

Looking forward to seeing you all in Reading, UK.

President of KSEAUK, Jung Hwan Lee

Organising Committee

Chair: Dr. Jung Hwan Lee, KSEAUK President, *The AMRC with Boeing*

Co-Chair: Dr. Ki-Jun Lee, KOFST President

KSEAUK (The Korean Scientists and Engineers Association in the UK)

Vice President for Internal Affairs: Mr. Soohwan Kim
(*Computer Associates*)

Vice President for External Affairs: Dr. Jung-Sik Kim
(*Imperial College London*)

External Public Secretary: Mr. Namshik Han
(*University of Manchester*)

Treasurer: Mr. Sungwook Park (*University of Sheffield*)

Academics Secretary: Dr. Sungjoo Lee (*Ajou University*)

Document Secretary: Dr. Minsoo Kim (*University of Sheffield*)

Information Secretary: Miss Jawon Song
(*University of Cambridge*)

Internal Public Secretary: Mr. Seongjin (Leon) Baek
(*University of Cambridge*)

Human Resource Secretary: Dr. Yongduck Kang
(*University of Nottingham*)

SIG-P Leader: Mr. Joseph Lee (*Accenture*)

SIG-E Leader: Dr. Jae-min Kim (*University of Strathclyde*)

SIG-W Leader: Dr. Sung-Eun Bae (*University of Surrey*)

SIG-MD Leader: Mr Chang-Ho Choi (*ImperialCollegeLondon*)

SIG-B Leader: Dr. Byung-Wook Yun (*University of Edinburgh*)

SIG-Y Leader: Miss Anne Kim (*King's College London*)

SIG-T Leader: Dr. Habin Lee (*Brunel University*)

General Secretary: Miss Rira Kim (*Imperial College London*)

International Organising Committee

KOFST Vice-President: Dr. Soo Sam Kim (Chair)

KSEAUK President: Dr. Jung Hwan Lee

VeKNI President: Dr. Joon Weon Seok

ASCoF President: Dr. Chang Hoon Jun

KOSEAA President: Dr. Man Wook Han

Conference Information

Location: De Vere Venues, Wokefield Park
Mortimer, Reading RG7 3AH, Berkshire, UK
Web : <http://www.deverevenues.co.uk>

Please consult the EKC2009 conference webpage for further information (<http://ekc2009.org>).

If you have further questions regarding the conference, please contact: Dr. Jung-Sik Kim (E-mail: j.kim@kseauk.org)

2009 EU-Korea Conference



EKC 2009 (EU-KOREA CONFERENCE)

The 35th Anniversary of the KSEAUK Foundation

Science and Technology Closer to
Humanity – Greenness



Wed 5th Aug – Fri 7th Aug, 2009

De Vere Venues,

Wokefield Park

Reading, Berkshire, UK

Organised by KSEAUK (www.kseauk.org)



IMPORTANT DATES

- 10 May, 2009: Deadline for Abstract
- 29 May, 2009: Notification of Acceptance of the Presentation
- 15 June, 2009: Deadline for Registration and Hotel Reservation
- 25 June, 2009: Deadline for Submitting Full Paper

CONFERENCE INFORMATION

Registration Fee*

- Member: Single: £ 50, Family: £ 100
- Non-member: £ 582

(* covers accommodation, the banquet and the family entertaining programme)

Entertainment Programme (to be updated)

- Wokefiled Park: golf, swimming pool, gym, Jacuzzi
- Lego land, Wellington country house, Baslidon park
- Warwick castle, Blenheim, Oxford, Westfield
- Magic, Ceilidh dance, Face painting

Paper Submission

- Online submission (<http://ekc2009.org>)
- Prize money will be awarded to one participant in each symposium.

SYMPOSIUMS

Green Technology for Sustainability

- Green Energy: Low Carbon Energy, Renewable Energy and Alternative Energy
- Green Building: Construction, Material and Services
- Green Chemistry: Chemical Products and Processes
- Other Applications of IT, BT or NT for Greenness
- Technology Strategy and Policy Making towards Greenness

Natural Science

- Applied and Pure Mathematics
- Applied Nanotechnology in Natural Science
- Applied, Theoretical and Experimental Physics

Mechatronics and Mechanical Engineering

- Aerospace, Naval, Automotive Science and Technology
- Electronic Packaging Science and Technology
- Mechanical Engineering Robotics and Manufacturing Technology
- Nano Science and Technology
- Safety Engineering, Risk Analysis and Reliability Methods

Material Science and Technology

- Structural Materials
- Functional Materials
- Analytic Technology

Chemical Engineering

- Organic and Inorganic Chemistry
- Polymer Chemistry and Physics
- Polymer Engineering and Technology

Information and Communications Technology

- Communication and Networking Technology and Network Security
- Information Science and Technology
- Software Engineering and Embedded Systems

Bioscience and Technology

- Molecular, Developmental, and Cell Biology
- Biotechnology and Genetic Engineering
- Systems Biology and Bioinformatics
- Health and Medical Sciences

Others

- Science and Technology Education, Policy
- Technology Innovation and Strategy
- Plenary Poster Session for General Papers

FORUMS

1. EU-Korea Energy & Environment Experts Network for 'Low Carbon Sustainable Economic Growth'
2. Technopark and Cluster Information Forum
3. European Young Generation Forum
4. Women in Science and Engineering Forum
5. Medical and Dental Student Forum

ULTRA PROGRAMME

Introduction ULTRA programme provides a meeting place between the worldwide Korean scholars residing in foreign countries and domestic Korean scholars to find out ways contributing to the development of Korean science. (Website: <http://www.ultra.or.kr>)

Topic

Environment, energy, and low carbon for sustainable green economic growth

Date: Friday, August 7, 2009

KOFST PROGRAMME (EXECUTIVE MEETING)

Title: Round table meeting with Korea Science and Technology Leaders

Expected Participants

- From Korea: government officials, presidents of universities, presidents of governmental research institutes, directors of industrial research centres
- From EU: related Korean scholars

Date: Thursday, August 6, 2009

PLENARY TALKS AND KEYNOTE SPEECHES

1. Prof. Chang Sun Hong (Former president of KAIST)
2. Prof. Alexander Kemp (University of Aberdeen)
3. Dr. Minseok Kang (Vice-president at LGE Advanced Research Institute, Information & Technology Lab)
4. Prof. Alma Hodzic (The University of Sheffield)
5. Dr. Marco Sbarrini
(Director of programs for LG Europe R&D)
6. Prof. Chang Duk Kong (Vice-president of KSAS)
7. Dr. Sang-Soo Kwak (Korea Research Institute of Bioscience and Biotechnology – KRIBB)
8. Prof. Gook-Sup Song (Bucheon University)
9. Dr. JeungJin Choi (Director General of Presidential Committee on Green Growth)
10. Prof. Walter Wehrmeyer (University of Surrey)
11. Mr. Yul Choi (President of Korea Green Foundation)
12. Dr. Andrew Grant (University of Strathclyde)
13. Mr. Bill Dunster (Principal Director of Zedfactory)

Invited Speakers and VIPs



Chair: Dr. Joung Hwan Lee

He is the **President of the Korean Scientists and Engineers Association in the UK (KSEAUK)**. He gained a PhD at Imperial College London. He is a senior researcher at the Advanced Manufacturing Research Centre (AMRC) with Boeing, the

University of Sheffield.



Co-Chair: Dr. Ki-Jun Lee

He is the **President of the Korean Federation of Science and Technology Societies (KOFST)**. He earned a PhD in chemical engineering at University of Washington. He was the president of Seoul National University (1998-2002). He has been

an emeritus Professor in the Department of Chemical Engineering at Seoul National University (2003-Present). He will speak during the KOFST session (Thursday, August 6, 2009).



Dr. Woo-Sik Kim is an Invited distinguish professor at KAIST and the Chief director of Creativity Engineering Institute.

He earned a PhD in chemical engineering at Yonsei University. He was the president of Yonsei University (2000-2004). He also served for government as a Presidential

Chief of Staff (2004-2005), and a Deputy Prime Minister and Minister of Science and Technology (2006-2008). He has been an emeritus professor at Yonsei University (2005-Present).



Mr. Young Woo Chun is the Korean ambassador to the UK. He earned his master degree at Columbia University. He was the Chief Nuclear Negotiator in the six-party talks (2005) and the Special Representative for Korean Peninsular Peace and Security Affairs (2006-2008). He has

been served as a specialist of negotiation regarding North Korea's nuclear issue for the peace of Korean Peninsula. He is supposed to speak at the opening ceremony (Thursday, August 6, 2009).



Mr. Yul Choi is the President of Korea Green Foundation.

He has been worked for Korean Anti-Pollution Organization. He also worked for The Korean Federation for Environment Movement. He received National Recognition in Commemoration of World Environmental Day in 1997 and Goldman Environmental Prize in 1995.



Prof. Soo Sam Kim is the Vice-president of KOFST.

He is also the Vice-president of Hanyang University. He gained a PhD in civil engineering at Chung-Ang University. He was a professor in the Department of Civil Engineering at Chung-Ang University (1981-2001). He will speak during the

KOFST session (Thursday, August 6, 2009).



Dr. Joon Weon Seok is the President of the Verein Koreanischer Naturwissenschaftler und Ingenieure in der BRD e.V. (VeKNI).

He obtained his PhD degree at RWTH-Aachen University. He works for Qudix German



Dr. Chang Hoon Jun is the President of the Association des Scientifiques Coreens en France (ASCoF).

He earned his PhD degree in electrical engineering at *Ecole Centrale de Lyon* (France). He has been working as a senior engineer of Plasma Physics Lab. in Princeton University (1998-Present).

He was dispatched in ITER international, France (2008).



Dr. Man Wook Han is the President of the Korean Scientists and Engineers Association in Austria (KOSEAA).

He obtained a PhD in mechanical engineering at Vienna University of Technology. At present, he is a professor of the university.



Prof. Chang-Sun Hong is a Professor in the Department of Aerospace Engineering at KAIST.

He received his PhD in applied mechanics from Pennsylvania State University. He was the president of KAIST (2001-2004). He also served as a member of the National Assembly (2004-2008). His

primary research interest is in the area of advanced composite materials and structures. He will speak at the plenary session (Thursday, August 6, 2009).



Alexander G. Kemp is a Professor of Petroleum Economics at the University of Aberdeen, and is the Director of Aberdeen University Petroleum and Economic Consultants (AUPEC)

which provides consultancy service in petroleum economics. For many years he has been a consultant on petroleum contracts and legislation. He

was a specialist adviser to the UK House of Commons Select Committee on Energy (1980-1992). In 1993 he was appointed as the UK Government Energy Advisory Panel. He was awarded the OBE in 2006 for services to the oil and gas industries.



Prof. Soon Heung Chang is a Vice-president of KAIST. He received his PhD in nuclear engineering from Massachusetts Institute of Technology (MIT). He was honored as a Fellow of the American Nuclear Society (ANS) in 2006. He served as a member of International Nuclear Safety Advisory

Group of IAEA (1992-1999), a member of Presidential Advisory Committee on Science and Technology (1998-1999), and the Chairman of Advisory Committee on Nuclear Safety (2001-2003). His main research interest is nuclear reactor safety analysis.



Dr. Min-Suk Kang is the Head of Information Technology Research Center of LG Electronics (LGE). He earned his PhD in computer science from University College London (UCL). He has contributed to the development of mobile application, home application & service, speech recognition, robotics,

and innovative UI.



Dr. Hyun Soon Lee is the vice-chairman and CTO of Hyundai Motor. He obtained his PhD in mechanical engineering from State University of New York - Stony Brook University. He received CTO Award by Korea Industrial Technology Association (2008) and Gold Tower

Order of Industrial Service Merit by Korean government (2005). He will speak at the plenary session (Thursday, August 6, 2009).



Mr. Bill Dunster is an award winning eco architect. He designed BedZED, and since 1999, practice has completed number of award winning zero carbon/ low carbon building projects. He has also taught at the Architectural Association and Kingston University and regularly speaks at a

range of seminars and conferences all over the world.



Mr. Ji-Jong Jeon is a Senior Manager of LG Electronics (LGE) and the Head of Europe R&D Lab.

He is supposed to make a speech on mobile technology evolution which will cover MC R&D introduction, mobile market trend, key evolution of handset technology, and LG experience.



Dr. Marco Sbarri is currently the Director of Programs for LG Europe R&D. His task is to control the overall delivery process from the handset specification down to the acceptance, to supervise the production chain and maintain relationships with chipset vendors. He was awarded the second

prize at the World Graph Drawing Symposium 98 (1998), the LG gold medal as best R&D center (2007), and the LG award as Global Innovation Leader (2008).



Andrew Grant is a Senior lecturer at University of Strathclyde. He has

studied on renewable energy conversion systems dates from the late 1970's. He has contributed the development of small novel devices for the utilisation of energy from ocean waves and marine currents. Subsequently diversified into

wind turbine aerodynamics, and the integration of renewable energy conversion systems into networks at local and regional levels.



Prof. Chang-Duk Kong is a Professor in the Department of Aerospace Engineering at Chosun University. He

gained a PhD at Osaka Prefecture University. He has served as an vice president of the Korea society for aeronautics and space sciences (KSAS). His main research topics are

the structure of aircraft and a gas turbine



Dr. Sang-Soo Kwak is a Principal Researcher at KRIBB. He earned his PhD in Plant Biochemistry at The University of Tokyo. His main research topics are study of antioxidation mechanism in plant cells and its application to develop transgenic plants with enhanced traits. He has

been in charge of the Korea-China collaboration project on combating desertification using biotechnology since 2004.



Dr. Gook-Sup Song is a Professor at Bucheon University (1981-Present), and the vice president of Korean Society of Living Environmental System. He received PhD in Architectural Engineering at Chung-Ang University. He has investigated human

responses in various building environments, and one of experts in the field of the under floor heating system; ONDOL.



Dr. Heung-Jin Choi is the Director-General of Climate Change Policy at Presidential Committee on Green Growth. He has worked for Korea

Ministry of Environment since 1987. He earned his PhD in Civil and Environmental Engineering at the University of Delaware, USA.



Dr. Eui-Chan Jeon is a Professor of Sejong University and a Member of Presidential Committee on Green Growth. He earned his PhD in

Environmental Management at The Graduate School of Environmental Studies, Seoul National University. His

main research topics are greenhouse gas inventories and strategies against Climate Change.



Dr. Sun-Hwa Hahn is the chief of Department of Policy Research in Korea Institute of Science and Technology Information (KISTI). She obtained her PhD in computer science from KAIST in 1997. She directs research on future strategy, mid and long-term development planning, and provision of policy support to government planning on science and technology



Dr. Alma Hodzic is a Senior Lecturer in the Department of Mechanical Engineering at the University of Sheffield. Her research includes design of better interfaces between all types of reinforcing fibres and corresponding matrices, with utilization of new research tools in nanotechnology. Dr. Hodzic manages Composite Systems Innovation Centre and she is actively involved with editorial and review panels in 15 international scientific journals. She also serves as Intreader on the panel of Australian Research Council and as External Examiner for Universities of Ulster and Salford.



Prof. Sung Joo Park is a Professor at KAIST Business School (1980-Present). He earned his PhD in system engineering at Michigan State University (1978). His main research topics are information system and DSS.



Ms. Sung-Ja Chang was the President of the Korean Institute for Gender Equality Promotion and Education (2003-2005). She also served as the chief executive of women's policy, Ministry of Gender Equality (Level 1 civil servant, 2001-2003) and a director of policy intervention and director of non-discrimination, presidential committee for gender equality (1998-2001).



Dr. Walter Wehrmeyer is Reader and deputy director of Centre for Environmental Strategy in University of Surrey. He is also editor of Greener Management International, sits on the Editorial Board of Environment, Development and Sustainability, and is Co-editor, Case Studies of the Journal of Industrial Ecology. His current interest cover organisational approaches to innovation and sustainable development, participatory approaches to decision-making, and corporate social responsibility, in particular, the role of culture and ethics in defining and forming business strategies.



Dr. Wan-Doo Kim is the Vice-president of Korea Institute of Machinery and Materials (KIMM).



Mr. Jong Sung Lim is the President of Chungbuk Technopark Foundation. He was the chief operating officer (COO) of Donbu HiTek (semiconductor division).



Mr. Soo-Bok Park is the President of Kangwon Technopark.

Sponsors (To be updated)



KOFST - www.kofst.or.kr



Hyundai Motor - www.hyundai-motor.com



LG Electronics – www.lge.com



Samsung Electronics – www.samsung.com/



POSCO – www.posco.co.kr



SK Energy – <http://eng.skenergy.com/>



Hyundai Heavy Industries co -
www.hhi.co.kr



KISTI – www.kosen21.org



Gyeonggi Bio-Centre – www.ggbc.co.kr



한국기계연구원 – www.kimm.re.kr



Chungbuk Technopark – www.cbtp.or.kr

재단 | 강원테크노파크
법인 | 강원전략산업기획단
Gangwon Technopark – www.gia.or.kr



아시아나항공

A STAR ALLIANCE MEMBER

ASIANA Airlines - www.flyasiana.com