

# The 2<sup>nd</sup> Conference of Korean Scientists & Engineers in Europe

Saturday, 4 November 2006  
Paris Novotel Tour Eiffel  
61, Quai de Grenelle, 75015 Paris

## 1. Introduction

The Association des Scientifiques Coréens en France (ASCoF, Korean Scientists and Engineers Association in France) organises the 2<sup>nd</sup> Conference of Korean Scientists and Engineers in Europe jointly with the KSEAUK (Korean Scientists and Engineers in UK) and the VeKNI (Korean Scientists and Engineers in Germany) following to the 1<sup>st</sup> conference held in London in 2004. This conference is also held to remember the 30<sup>th</sup> anniversary of the ASCoF.

## 2. Conference organisation

### Chair:

Prof. Woo-Suck HAN, *Ecole Nationale Supérieure des Mines de Saint-Etienne, ASCoF*

### Organizing Committee

Dr. Wonsun PARK, *Leibniz Institute of Marine Sciences, VeKNI*  
Mr. Yoonjae LEE, *Queen Mary, University of London, KSEAUK*  
Dr. Joung Hwan LEE, *University of Sheffield, KSEAUK*  
Dr. Hae-Yeong LEE, *Microsystems, ASCoF*

### 3. Programme

08:30 Registration

#### Opening Ceremony

*Chair: Prof. Woo-Suck HAN, Ecole Nationale Supérieure des Mines de Saint-Etienne, ASCoF*

09:00 Prof. Woo-Suck HAN, Chair of Organizing Committee, ASCoF  
09:10 Prof. Young-Hyang PARK, President of ASCoF  
09:20 Mr. Yung-Bok CHE, President of KOFST  
09:30 Dr. Seung-Deog YOO, President of VeKNI  
09:40 Mr. Jin Il KIM, President of KSEAUK  
09:50 Declaration of the presidents of ASCoF, KSEAUK & VeKNI  
10:00 Presentation of industrial partners  
10:30 Coffee Break

#### Plenary Session

*Chair: Prof. Woo-Suck HAN, Ecole Nationale Supérieure des Mines de Saint-Etienne, ASCoF*

10:50 **The present status of elementary particle physics**  
*Prof. Bjong Ro KIM, RWTH Aachen University, VeKNI*

11:25 **Protein Conformation-Dependent Neurodegenerative Diseases: Underlying Molecular-Level Commonalities (“Mad Cows, Mad People, and the Mad Dash Towards Developing New Treatments”)**  
*Dr. Hun MOK, Trinity College Dublin, KSEAUK*

#### Lunch

12:00 – 14:00

#### Session 1 : Physics, Environment, Biology & Medicine

*Chairs: Prof. Sun-Sik MIHN, University of Nantes, ASCoF,*

*Prof. Bjong Ro KIM, RWTH Aachen University, VeKNI*

14:00 **X-Ray Free Electron Lasers**  
*Dr. Jang-Hui HAN, Deutsches Elektronen-Synchrotron, VeKNI*

14:20 **Modelisation and data assimilation in physical oceanography**  
*Dr. Michel GAVART, Observatoire Midi-Pyrénées, ASCoF*

14:40 **Role of trees as indicator for environmental changes**  
*Jeong-Wook SEO, University of Hamburg, VeKNI*

15:00 **Water, Water, Water**  
*Dr. Sung Taek OH, University of Manchester, KSEAUK*

15:20 **Flexibility for Individual Needs**  
*Dr. Seo-Rin KO, Altona General Hospital Hamburg, VeKNI*

- 15:40 **Groundwater rising mechanism in various circumstances**  
*Myong-Hwan YU, University of Birmingham, KSEAUK*
- Session 2 : Computer sciences, Electronics, Information Technology**  
*Chairs : Dr. Hae-Yeong LEE, Microsystems, ASCoF,  
Dr. Young Hun YOON, CIAS UK Ltd., KSEAUK*
- 14:00 **Association Discovery Protocol for Hybrid Wireless Mesh Networks**  
*Song Yean CHO, Ecole Polytechnique and INRIA, ASCoF*
- 14:20 **Integrated Information System Supporting Energy Action Planning via the Internet**  
*Dr. Jae-Min KIM, University of Strathclyde, KSEAUK*
- 14:40 **Image Navigation and Registration System for GEO Observation Satellite**  
*Dr. Gwanghyeok JU, Korea Aerospace Research Institute, ASCoF*
- 15:00 **Bioinformatics... Past and Future**  
*Hosil PARK, University of Manchester, KSEAUK*
- 15:20 **Study on COMS AOCS Manoeuver Realization**  
*Dr. Han-dol KIM, Korea Aerospace Research Institute, ASCoF*
- Session 3 : Mechanical Engineering, Materials**  
*Chairs : Dr. Yongmann M CHUNG (University of Warwick, KSEAUK)  
Dr. Wonsun PARK, (Leibniz Institute of Marine Sciences, VeKNI)*
- 14:00 **Numerical Simulations of Unsteady Turbulent Flows**  
*Dr. Yongmann M. CHUNG, University of Warwick, KSEAUK*
- 14:20 **Heat Transfer Analysis in Composite Tape Lay-Up Process**  
*Prof. Chung Hae PARK, University of Le Havre, ASCoF*
- 14:40 **Ceramic Micro Combustion Engine Design and Fabrication**  
*Dr. Jung-Sik KIM, University of Birmingham, KSEAUK*
- 15:00 **Indirect Search for Dark Matter with AMS-02 Detector on the International Space Station**  
*Chang Hoon CHUNG, RWTH-Aachen, VeKNI*
- 15:20 **Columnar To Equiaxed Transition during Directional Solidification Processing in Aluminium Alloys**  
*Hyejin JUNG, Université Paul Cézanne Aix-Marseille III, ASCoF*
- 15:40 **Comparison of High Temperature Corrosion Behaviour of Superheater Materials and Reactivity of Biomass Ashes in Biomass Combustion**  
*Dr. Sung Chul CHA, Siemens Power Generation, VeKNI*
- 16:05 Round Table by Session & Coffee Break
- 16:30 **Cloture**
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