



## **Korea - EU S&T Conference on Nanotechnology**

**19 October 2011  
Seoul/Korea**

### **AGENDA**

(draft of 8 September)

#### **Venue**

Hotel Renaissance  
(Diamond Ballroom, 3F)  
676 Yeoksam-dong, Gangnam-gu  
Seoul, 135-915, South Korea

#### **Contact to organisers**

Mr. Mikko Sallinen, [Mikko.Sallinen@vtt.fi](mailto:Mikko.Sallinen@vtt.fi), +358 40 7235263  
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#### **Introduction**

Nanotechnology has become one of the most important technologies and basis of many products we use in everyday life. It enables us to build systems and devices that have not been possible before. The completely new approach will be achieved by constructing and engineering the products from bottom to up by using the state-of-the-art nanotechnologies and tools.

Nanotechnology has been considered as general-purpose or enabling technology due to its nature. Typical advantages of using nanotechnology in the products instead of conventional solutions (materials) will offer features such as longer age, cleaner surfaces, safer operations and smarter behaviour. These features can be realized as new internal material structure of the product, slippery surface of the product or materials that does not react to sunlight just to mention few. As easily can be imagined, these solutions can be found in all fields of applications: medicine, transportation, agriculture and industry in general.

At the conference, current achievements of nanotechnology will be presented followed by presentations and a discussion of future visions of the technology developments as well as the main potential application areas. Speakers of the conference are top scientists from Korea and Europe.

The conference is organised in the framework of KORANET (<http://www.koranet.eu>), a four-year project financed by the 7th EU Framework Programme on Research and Technological Development. KORANET aims at enhancing the S&T cooperation between European countries and Korea across all scientific fields.

The conference will be held in cooperation with the KESTCAP project (<http://www.kestcap.org>), a platform to disseminate information on the European Research Area and the 7th EU Framework Programme in Korea. Experts from the fields of nano- and biotechnology jointly participate in the morning plenary session of the conference. After lunch, the participants split up in two groups to follow more focussed presentations in nanotechnology (organised by KORANET) and biotechnology (organised by KESTCAP). The lunch and coffee break as well as the joint dinner will offer ample opportunities to the participants of both events for networking and exchange.

#### **Objectives of the conference**

- To give an overview of the current scientific level and achievements of nanotechnology in both Korea and Europe
- To exchange the visions and predictions of the future developments of nanotechnology
- To facilitate future cooperation and networking between Korean and European researchers

#### **Conference target group**

The conference is open for:

- Korean and European researchers active in the field of nanotechnologies
- Policy-makers and programme owners
- KORANET project partners
- The interested public

#### **Conference language**

English

#### **Practical arrangements**

Participation at the conference is free of charge upon registration. To register please return the filled-in registration form to Mikko Sallinen ([Mikko.Sallinen@vtt.fi](mailto:Mikko.Sallinen@vtt.fi)) and Jawon Choi ([choi\\_jawon@nrf.re.kr](mailto:choi_jawon@nrf.re.kr)).

## CONFERENCE PROGRAMME

09:30 – 10:00 Registration

### Plenary Session (in co-operation with KESTCA project)

10:00 – 10:05	Opening remarks ( <i>Dr. Gerold Heinrichs, International Bureau of the German Federal Ministry of Education and Research, Germany</i> )
10:05 – 10:10	Welcoming remarks ( <i>Mr. Jeong Ho Park, National Research Foundation, Korea</i> )
10:10 – 10:40	Keynote speech: ( <i>TBD</i> )
10:40 – 11:10	Latest developments and changes in nano-bio technology ( <i>Dr. Jae Bum Choo, Hanyang University, Korea</i> )
11:10 – 11:40	Nano-bio technology ( <i>European Speaker tbd</i> )

11:40 – 13:00 Lunch (Club Horizon, 23F, Hotel Renaissance)

### Session I: Status quo of nano-materials in Korea and the EU

13:00 – 13:30	Title ( <i>Dr. Caroline SunYong Lee, Hanyang University, Korea</i> )
13:30 – 14:00	Title ( <i>Dr. Arnaud Magrez, Ecole Polytechnique federale de Lausanne, Switzerland</i> )
14:00 – 14:30	Title ( <i>Dr. Jong Joo Rha, Korea Institute of Materials Science, Korea</i> )
14:30 – 15:00	Title ( <i>European Speaker 2 tbd</i> )

15:00 – 15:15 Coffee Break

### Session II: State of the art in self-assembly in Korea and the EU

15:15 – 15:45	Title ( <i>Dr. Dong Ha Kim, Ewha Woman's University, Korea</i> )
15:45 – 16:15	Title ( <i>Prof. Volodya Falko, Lancaster University, United Kingdom</i> )
16:15 – 16:45	Title ( <i>Korean Speaker 4 tbd</i> )
16:45 – 17:15	Title ( <i>European Speaker 4 tbd</i> )

### Wrap-up Session

17:15 – 17:35	Wrap-up (The chairmen of the two main sessions present and wrap up for 10 minutes each)
17:35 – 17:40	Closing remarks ( <i>Dr. Gerold Heinrichs, International Bureau of the German Federal Ministry of Education and Research</i> )

18:00 – 20:00 Dinner

## VENUE INFORMATION

### Hotel Renaissance

Address: 676 Yeoksam-dong Gangnam-gu, Seoul, 135-915, South Korea

Transportation to the hotel from/to Incheon airport: Airport limousine 6703

Telephone: 82-2-555-0501

Webpage: <http://www.marriott.com/hotels/travel/selrn-renaissance-seoul-hotel/>

