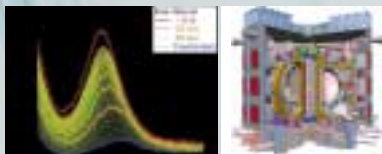


ORNL - KIST Joint Symposium

- ▶ Neutron Sciences
- ▶ Energy



C o n t a c t

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i n v i t a t i o n

ORNL - KIST Joint Symposium on Energy and Neutron Sciences

June 5, 2008

Conference Room 1,
International Cooperation Building at KIST





June 5 (Thursday)

Program

Oak Ridge National Laboratory (ORNL) - Korea Institute of Science Technology (KIST) Joint Symposium

Global energy consumption is forcing us to find alternative energy sources and materials. Simultaneously, understanding the structure of materials and the dynamics of molecules is required to design the new materials. The purpose of this symposium is to understand the trend of alternative energy sources and to introduce one of world's leading scientific and engineering fields, neutron sciences.

The symposium will focus on the materials for the next generation of energy sources and on neutron sciences. The former includes the materials for advanced clean fossil energy, for nuclear fusion reactor, and for Integrated Gasification Combined Cycle (IGCC). The neutron sciences cover multiple scientific and technological fields, condensed matter physics, chemistry, biology, materials, and engineering, and the like.

The symposium will provide a comprehensive overview of energy and neutron sciences provided by speakers invited from industries and institutions. It is expected that the participants will gain a refreshing insight in these areas through their attendance.

President of KIST
Dongwha KUM

Conference Room 1, International Cooperation Building at KIST

Opening Remarks

Moderator : Lee, Chang-Geun

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|-------------|---|
| 09:00-09:05 | Kum, Dongwha <i>President of Korea Institute of Science and Technology</i> |
| 09:05-09:10 | Thomas Mason <i>Director of Oak Ridge National Laboratory & President of UT-Battelle, LLC</i> |

Plenary Session I

Neutron Sciences

Moderator : Kim, Man-Ho

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|-------------|--|
| 09:10-9:40 | Kim, Young-Jin <i>Vice President, Basic Science and Technology Dept./KAERI</i> "Introduction of Basic Science and Technology Dept., KAERI" |
| | Lee, Ki-Hong <i>Director of Neutron Science Div./KAERI</i> "Rapid Growth of Neutron Science in Korea" |
| 09:40-10:20 | Thomas Mason <i>Director of Oak Ridge National Laboratory & President of UT-Battelle, LLC</i> "Update on Neutron Sciences at Oak Ridge National Laboratory" |
| 10:20-10:50 | Kim, Kui-Yooung <i>Head of Project Office, Proton Engineering Frontier Project/KAERI</i> "The Proton Engineering Frontier Project and Its Open Futures" |
| 10:50-11:10 | Choi, Sung-Min <i>Professor of KAIST, General Secretary of Korean Neutron Beam Users Association</i> "Challenges for the Future of Neutron Science in Korea" |

11:10-11:20 Coffee Break

Moderator : Choi, Won-Kook

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|-------------|--|
| 11:20-11:50 | Michael Agamalian <i>USANS Lead at Spallation Neutron Source, ORNL</i> "Combined Ultra-Small-Angle and Small-Angle Neutron Scattering: A New Tool for Condensed Matter Research" |
| 11:50-12:10 | Kim, Man-Ho <i>Sr. Research Scientist, Materials Science & Technology Research Div., KIST</i> "In-situ Vapor Sorption SANS/USANS Measurement of Polyelectrolyte Proton Exchange Membrane" |

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|-------------|--|
| 12:10-13:20 | <ul style="list-style-type: none"> • Signing Ceremony of MOU between ORNL & KIST • Congratulatory Remarks by Director of Oak Ridge National Laboratory & President of UT-Battelle, LLC • Lunch hosted by President of KIST <p>(Location: Visitor's Dinning Hall at International Cooperation Bldg.)</p> |
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Plenary Session II

Energy

Moderator : Han, Seung-Hee

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|-------------|---|
| 13:20-14:00 | Thomas Mason <i>Director of Oak Ridge National Laboratory & President of UT-Battelle, LLC</i> "Oak Ridge National Laboratory: Science and Technology for the Energy Challenge" |
| 14:00-14:30 | Jung, Ki-Jung <i>Deputy Director General of ITER Korea, NFRI ITER Korea</i> "Status of ITER Project in Korea" |
| 14:30-14:50 | Hong, Kyung-Tae <i>Director of Materials Science & Technology Research Div., KIST</i> "Research Activities on Materials for Fusion Reactor, IGCC, & Heat Resistance at KIST" |
| 14:50-15:20 | Ahn, Dal-Hong <i>President of Korea IGCC RD&D Organization</i> "Introduction to the Korea #1 IGCC" |
| 15:20-16:00 | Dana Christensen <i>Associate Lab Director of Energy & Engineering Sciences, ORNL</i> "Update on Nuclear Energy Science at Oak Ridge National Laboratory" |

16:00-16:10 Coffee Break

Moderator : Park, Sang-Whan

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|-------------|---|
| 16:10-16:40 | Kim, Jeong-Tae <i>Vice President of Doosan Heavy Industries & Construction</i> "Development and Evaluation of the Heat-Resistant Materials" |
| 16:40-17:00 | Dana Christensen <i>Associate Lab Director of Energy & Engineering Sciences, ORNL</i> "Update on Energy Science & Technology at Oak Ridge National Laboratory" |

17:00 - 18:00 Lab Tour

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| 18:30- 20:30 | Dinner at the KIST President's Official Residence <i>hosted by President of KIST</i> |
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