

Invited Speakers



Dr. Mun Young Choi
Provost & Executive Vice President for
Academic Affairs
University of Connecticut



Dr. Seung Joo Choe
Executive Vice President & CTO
Doosan Heavy Industries and
Construction



Dr. Woong Chul Yang
Vice Chairman
Hyundai Motor Company



Dr. Chang-Jin (CJ) Kim
Professor
Mechanical and Aerospace Engineering
UCLA



Dr. Masahito Yamanaka
President
Yamanaka Engineering



Dr. Ching-Ming Chen
Vice President
Metal Industries Research
& Development Center, Taiwan



Dr. Zvi Karni
Vice President
Alion Science & Technology



Dr. Albert Pisano
Dean
Jacobs School of Engineering
UCSD



Dr. Matthias Hänsel
Division Manager
ThyssenKrupp Presta

2015 International Forum Korea on Advances in Mechanical Engineering

September 17, 2015

Korea Institute of Machinery & Materials
Daejeon, Korea

Organized by **Korea Institute of Machinery & Materials**



Knowledge



Innovation



Motivation



Marketability

Invitation from the Organizer

Dear Colleagues,

On behalf of Korea Institute of Machinery and Materials (KIMM), I would like to cordially invite you to the "2015 International Forum Korea on Advances in Mechanical Engineering" organized by KIMM at the main building of KIMM on the 17th of September, 2015.

KIMM is one of the national research institutes in Korea sponsored by the Ministry of Science, ICT, and Future Planning to spur creative economy of the current government in terms of promotion of research, business and development (R&BD). In the hope of providing an excellent opportunity to exchange experiences and to set up new direction of R&BD in mechanical engineering, KIMM launched the Forum last year.

Due to the success of the Forum last year, KIMM is trying to hold the 2015 Forum at KIMM in September again.

The one-day Forum will feature outstanding presentations and open discussions by renowned speakers from industry, academia, and research institutions around the world on the new initiatives, action plans, and best practices concerning spearheading technological advances in the field of mechanical engineering, in particular, advanced manufacturing technologies and the roles of public research institutions and international collaboration.

Confirmed luminaries for the speakers and panelists are Dr. Mun Young Choi, Provost & Executive Vice President for Academic Affairs of University of Connecticut; Dr. Seung Joo Choe, Executive Vice President & CTO of Doosan Heavy Industries and Construction; Dr. Woong Chul Yang, Vice Chairman of Hyundai Motor Company; Dr. Chang-Jin (CJ) Kim, Professor of Mechanical and Aerospace Engineering, UCLA; Mr. Masahito Yamanaka, President of Yamanaka Engineering; Dr. Ching-Ming Chen, Vice President of Metal Industries Research & Development Center, Taiwan; Dr. Zvi Karni, Vice President of Alion Science & Technology; Dr. Albert Pisano, Dean of Jacobs School of Engineering, UCSD and Dr. Matthias Hänsel, Division Manager of ThyssenKrupp Presta.

I sincerely hope that you can join us in making the Forum successful and fruitful and look forward to seeing you in Daejeon, Korea.

With best regards,

Dr. Yong Taek Im
President



Forum Program

2015 International Forum Korea on Advances in Mechanical Engineering
September 17, 2015, Korea Institute of Machinery and Materials, Korea

08:30 - 09:00 Registration

09:00 - 09:15 Opening Ceremony with Congratulatory Remarks by
- Dr. Sang Chun Lee, Chairman of National Research Council of Science and Technology, Korea
- Mr. Suk-Joon Lee, 1st Vice Minister of Science, ICT and Future Planning
- Dr. Sang Kee Suh, Member of National Assembly of Korea
- Mr. Sang Min Lee, Member of National Assembly of Korea
- Dr. Byung Joo Min, Member of National Assembly of Korea

Session 1: Advanced Manufacturing Technologies

09:20-12:00 Opportunities in Additive Manufacturing & Advanced Materials
Dr. Mun Young Choi
Provost & Executive Vice President for Academic Affairs
University of Connecticut

The Micro and Nano Fabrication Technologies of MEMS

Dr. Chang-Jin (CJ) Kim
Professor, Mechanical and Aerospace Engineering, UCLA
Creative Economics through Hyper-local Manufacturing
Dr. Zvi Karni
Vice President, Alion Science & Technology

A Brief View into the Future of Precision Manufacturing by Cold Forging

Dr. Matthias Hänsel
Division Manager, ThyssenKrupp Presta

12:00 - 13:00 Luncheon

Session 2: Advanced Manufacturing Technologies

13:00 - 16:00 Technology Innovations for Future Mobility
Dr. Woong Chul Yang
Vice Chairman, Hyundai Motor Company
Doosan's Efforts to Develop Power-Gen Technology
Dr. Seung Joo Choe
Executive Vice President & CTO
Doosan Heavy Industries and Construction
Challenge for Sustainable Growth: Innovative R&D and Strategic International Sales Activities
Dr. Masahito Yamanaka
President, Yamanaka Engineering
Engineering as a Force for the Public Good
Dr. Albert Pisano
Dean, Jacobs School of Engineering, UCSD
The Effort Put into Innovation and Globalization for Small & Medium Enterprises in Taiwan
Dr. Ching-Ming Chen
Vice President, Metal Industries Research & Development Center, Taiwan
Raison d'être of Globalized Public Research Institutes
Dr. Yong-Taek Im
President, Korea Institute of Machinery and Materials

16:00 - 16:30 Coffee Break
16:30 - 18:00 Panel Discussion
18:30 - 21:00 Banquet (Goam Eung-No Lee Museum)

Registration & Venue

Registration:

On-line registration is available at <http://forum.kimm.re.kr>.

- * Registration Fee: US\$ 200 or KRW 200,000 (Early-bird)
US\$ 250 or KRW 250,000 (On-site)
- * Registration deadline for early-bird: September 3, 2015
- * Special dietary needs can be specified as you register.

Venue:

The Korea Institute of Machinery and Materials located in the Daejeon Science Town. Find out more at www.kimm.re.kr.

Accommodation Information:

Interciti Hotel : Detail information is available at <http://hotelinterciti.com/>

Directions to the Venue:

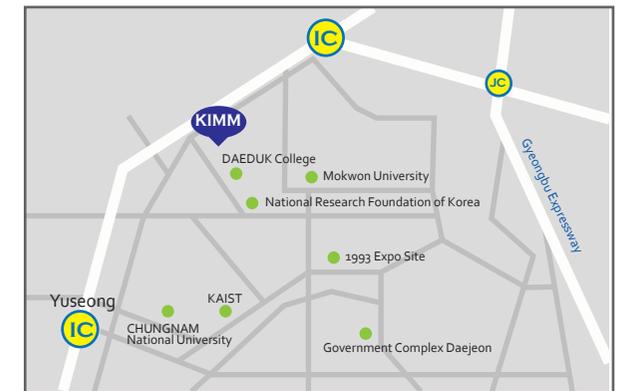
* Visitors from Incheon International Airport:

Take the KTX from the airport to Daejeon Station (around 1.8 hrs) and then take a taxi to the KIMM or Hotel (around 30 mins) or take the Limousine bus to Daejeon Terminal and get off at the Daejeon Government Complex (around 2.5 hours) and then take a taxi to the KIMM or Hotel (15 mins).

* Intra-city buses coming to the venue: #604, #704, and #911

Daejeon, Korea – Home of Scientific Innovations

Daejeon, located in the center of Korea, is a leading city for development of science and technology with more than 240 research-oriented institutions including KIMM, Korea Advanced Institute of Science and Technology, etc. Find out more about the city at www.daejeon.go.kr/dre/index.do.



* Enquiries: Send e-mail to the Forum Secretariat at secretariat@kimm.re.kr or call at 82-(0)42-868-7656 or 7592.

* Notice: The program might be changed without prior notice depending on the speakers' availability.