

Nex-μM

IWMT 2012

8th International Workshop on
Micromanufacturing Technology

Smart Surface Texturing(SST) Technology for Eco/Bio Industries

July 17, 2012 (Tue)
Millennium Seoul Hilton Hotel



Sponsored by
Korean Society of Manufacturing Technology Engineers
KSMTE
KOREA INSTITUTE OF MACHINERY & MATERIALS
KIMM

Invitations

It is a beautiful July, where the sun is shining the most.
It almost feels as if the elves from the forest invite us to escape
from the daily life.

Does everyone plan for a summer to make unforgettable mid-
summer memories? For this upcoming July 17, we would like to
invite you to International Workshop on Micromanufacturing
Technology (IWMT 2012) at Millennium Seoul Hilton Hotel,
Korea.

This workshop is focused on a complex process convergence
manufacturing technology. This technology is combining two
different processes into a one machine for micromachining
IT/BT/GT industry components.

Also, the workshop is focused more on a next generation's
manufacturing system technology trend which is applying a
surface texturing technology to the existing technology.
Since we have great interest on this technology, we invited
worldwide scholars from each related field.

Professors from United Kingdom, Germany, United States, and
South Korea will present deeply about advanced technology
and present condition of current research to improve our manu-
facturing technology. We believe that our effort to step forward
as the country which has the best manufacturing technology
among the entire world will be shining as if the brightly burning
sun on July shines.

We also hope this workshop provides a good opportunity to ex-
change the professional experiences and to grow good fellowships.

Thank you.

July 17, 2012

Jong Kweon Park, PhD.

Chair of International workshop on Micromanufacturing
Technology (IWMT)
Korea Institute of Machinery and Materials (KIMM),
Principal Researcher

8th International Workshop on Micromanufacturing Technology (IWMT 2012)

July 17, 2012 (Tue)

Time	Title	Speaker
12:00~13:20	Arrival & Registration	
13:20~13:30	Opening Welcome Address	Dr. Jong-Kweon Park (KIMM, Korea)
13:30~14:10	Progress in Turbulent Drag Reduction using Passive Devices	Prof. Haecheon Choi (Seoul National Univ., Korea)
14:10~14:50	Micro Laser Machining: Challenges and Opportunities	Prof. Stefan Dimov (Univ. of Birmingham, UK)
14:50~15:30	Active Tool for Hybrid Micro Structuring in Surface Finishing	Prof. Berend Denkena (Leibniz Universität Hannover, Germany)
15:30~15:40	Break	
15:40~16:20	μ-Texturing of Functional Surfaces through Micromilling: Design, Analysis and Applications	Prof. Kai Cheng (Brunel Univ., UK)
16:20~17:00	Nature-inspired, Directional Surfaces for Various Engineering Applications	Prof. Kahp-Yang Suh (Seoul National Univ., Korea)
17:00~17:10	Break	
17:10~17:50	Engineered Surfaces for Biomedical Applications	Prof. Kornel Ehmann (Northwestern Univ., USA)
17:50~18:30	The Manufacturing of Curvilinear Surgical Grade Blades From Bulk Metallic Glass via Hybrid Thermo- mechanical Forming Process	Prof. Shiv Kapoor (Univ. of Illinois, USA)
18:30~19:00	Discussion	
19:00~21:00	Keynote Speech	Prof. Min-Yang Yang (President of KSMTE, Korea)
Banquet	Banquet	



Venue

Millennium Seoul Hilton Hotel
<http://www.seoul.hilton.com>, <http://www.hilton.co.kr>



✶ Incheon International Airport ICN Airport

From Incheon International Airport, a limousine bus service
is available to take you directly to Millennium Seoul Hilton.
The journey normally takes around 60 minutes from the airport
to the hotel.

Registration (On-line) Fee www.ksmte.kr

Early Registration	Before or on July 6, 2012	300,000KW
On-Site Registration	After or on July 7, 2012	350,000KW

Contact

Seung-Kook Ro, KIMM, Korea
Tel. +82 42 868 7115 / Fax : +82 42 868 7180
E-mail : cniz@kimm.re.kr