

ICEM 2006

The International Conference on Experimental Mechanics 2006
The 5th Asian Conference on Experimental Mechanics (ACEM5)

September 27 - 29, 2006 / Hyatt Regency Jeju, Korea

SCOPE



The field of experimental mechanics is burgeoning with advances in technology and the increasing need for precise measurement in frequently hostile environments and on novel materials and tissues. While optical techniques had been preferred - particularly in the field of bio-engineering - other mature

methods are also being exploited in tandem with the growth in micro- and nano-manufacturing. The conference will provide an international forum to present and discuss significant progresses in research, development, and application of these areas.

SCIENTIFIC TOPICS

All aspects of advanced technology in experimental mechanics from basic researches to industrial applications will be of interest in the conference within the following categories.

- Optical Methods and Techniques
- Nano-Scale Observation and Analysis
- Electronic Packaging Reliability
- Bioengineering and Life Sciences
- Damage Evaluation
- Sensors, Transducers and Their Applications
- Non-Destructive Testing and Evaluation
- Thermal Methods and Techniques
- Hybrid Concept and Methods
- Residual Stresses
- MEMS and Micromechanical Testing
- Nano Manufacturing Methods
- Biomaterials and Biological Systems
- Fatigue and Fracture Mechanics
- Life Assessment and Reliability Engineering
- Smart Materials and Structures
- Impact and Dynamic Phenomena
- Time-Dependent Materials
- Composite Materials
- Others

COMMITTEES

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Members of the Asian Committee on Experimental Mechanics (ACEM)

IMPORTANT DATES

- Abstract Submission Due: October 30, 2005
- Full Paper Submission Due: December 30, 2005
- Notification of Acceptance: March 30, 2006
- Camera-ready Manuscript Due: May 30, 2006



ABSTRACT PREPARATION & SUBMISSION

All papers accepted and presented in the ICEM 2006 will be published in the Journal "Key Engineering Materials". Prospective authors are required to submit a 200 to 300 word abstract. A preparation guideline of abstract is available on the web site (<http://www.icem06.org>). We encourage you to submit your abstracts electronically via the above web site.

VENUE



ICEM 2006 will be held at Hyatt Regency Jeju in Jeju, Korea. Jeju island, the largest volcanic island located in the southwest sea of the Korean peninsula, is recognized as one of the most beautiful place in Asia. This beautiful island is well known for its natural scenery, sea-coasts, volcanic mountains, and also for a variety of recreational and cultural activities. With South Korea's highest mountain, Mt. Halla, in the background, Hyatt Regency Jeju overlooks the great Pacific Ocean.

ORGANIZED BY

- Asian Committee for Experimental Mechanics (ACEM)
- Korea Advanced Institute of Science and Technology (KAIST)



KAIST

SPONSORED BY

- The Society for Experimental Mechanics (SEM)
- The Korean Reliability Society (KORAS)
- The Materials and Fracture Division of the Korean Society of Mechanical Engineers (MFD-KSME)
- The Japan Society for Experimental Mechanics (JSEM)
- The European Association for Experimental Mechanics (EURASEM)



SUPPORTED BY

- US Army Research Office-Far East

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