

IWJC-Korea 2007

Call for Papers

International Welding/Joining Conference-Korea 2007

The International Welding and Joining Conference-Korea 2007 (IWJC-Korea 2007) will be held at the COEX convention center in Seoul, Korea from May 10 to May 12, 2007. The theme of the conference is

Advanced Welding and Micro Joining/Packaging for the 21st Century

The aim of the conference is to discuss and review the state-of-the-art issue and the technical information related to welding and joining. All interested parties are encouraged to attend IWJC-Korea 2007.

Honorary Conference Chair

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President, Korean Federation of
Science and Technology Societies

Conference Chair

D. H. Park
President, Korean Welding Society

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⊗ It will be updated.

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Important Dates

Extended Abstract Due:	September 25, 2006
Acceptance Notification Due:	October 15, 2006
Manuscript Due:	January 31, 2007
Speaker Registration and Payment Due:	January 31, 2007

Topics of Interest

Metallurgy

- ✓ Phase Transformation
- ✓ Weld Cracking
- ✓ Property Composition
- ✓ Weldability

Advanced Structural Material

- ✓ Light Weight Metallic Material
- ✓ Plastic / Polymer Material
- ✓ Ceramic Material
- ✓ Composite Material
- ✓ Biomaterial
- ✓ Nano-material

Inspection / Evaluation

- ✓ Inspection by DT
- ✓ Inspection by NDT
- ✓ Evaluation

Industrial Applications

- ✓ Automobile
- ✓ Shipbuilding
- ✓ Aerospace
- ✓ Electronics
- ✓ Train / Railroad
- ✓ Plant / Construction

Environmental Issues

- ✓ Corrosion
- ✓ Safety
- ✓ Health
- ✓ Pollution

Micro-Joining / Packaging Processes

- ✓ Pb-free Soldering
- ✓ Wire Bonding
- ✓ Adhesive Bonding / Encapsulation
- ✓ High Density Packaging

Micro-Joining Reliability / Environment

- ✓ Joint Failure / Reliability
- ✓ Modeling / Simulation
- ✓ Recycling

Welding Processes

- ✓ Arc Welding
- ✓ Resistance Welding
- ✓ Bonding / Diffusion
- ✓ Friction Stir Welding
- ✓ Soldering / Brazing

High Power Energy

- ✓ Laser Material Processing
- ✓ Electron Beam Welding
- ✓ Plasma Welding

Automation

- ✓ Sensing / Control
- ✓ Welding Robotics
- ✓ Monitoring / Measurement

Design

- ✓ Residual Stress / Distortion
- ✓ Fracture / Fatigue
- ✓ Modeling / Simulation

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International Advisory Board

⊗ To be announced.

Introduction to Author for Extended Abstract

On-line submission is mandatory and guidelines for on-line submission will be provided on the conference web site (<http://www.iwjc2007.org>). The extended abstract should be written in Adobe Acrobat (PDF) format. Please note that the extended abstract deadline is September 25, 2006. The extended abstract should contain results showing that the work presented has matured to the level of publication. Therefore, authors should present brief pertinent information in the paper to help evaluate its merit correctly. The Conference Record will include all acceptable papers and will be made available to all participants at the beginning of the Conference. To ensure legibility and uniformity of the record, please carefully follow the instructions on the papers included herewith.

Manuscript for Materials Science Forum (SCI Journal)

Authors of accepted extended abstract will be invited to submit a four-page manuscript for publication in the Materials Science Forum (SCI Journal). The manuscript will undergo additional peer review by international experts. The manuscript deadline is January 31, 2007.

Conference Language

The official language at the conference will be English. Paper review will be based on the technical merit of work submitted.

Students

Students are encouraged to attend the conference and take an active part in the technical program. A low-rate special registration fee will be available for students.

Industrial Tour

Course - Application of welding in the automotive industry:
Hyundai Motor Company (Sohari Factory / Namyang R&D Center)

Conference Venue

The conference will be held at COEX, Conference Hall in Seoul, Korea. Seoul, 'The miracle on the Han River', is not only the Capital of Korea, but it is also the economic, cultural and historical center of the country. Seoul was the capital of the Chosun dynasty (1392-1910) and has many historical sites dating from this time including Gyeongbokgung Palace, Deoksugung Palace, Namsangol Village. Seoul mixes the old with the new in a mountainous terrain as many of the historical sites are located within the city. Popular outdoor activities include excellent hiking within the city and golfing at many courses near Seoul.

Further Information

Information on accommodations and social activities will be sent to participants at a later date. Communications and correspondence concerning the conference should be addressed to:

IWJC-Korea 2007 Secretariat

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