

CALL FOR PAPERS



ICED 13

The 19th International Conference on Engineering Design

August 19 (Mon) - 22 (Thu), 2013

Sungkyunkwan University, Seoul, Korea

www.iced13.org

‘Design for Harmonies’

- Harmony of Products and Services
- Harmony of Old and New
- Harmony of Culture and Technology
- Harmony of East and West



COME, JOIN US IN SEOUL, KOREA

Dear Colleagues,

It is a great pleasure to inform you that the International Conference on Engineering Design 2013 will be held from August 19th to 22nd in Seoul, Korea.



The organising committee has chosen “Design for Harmonies” as the main theme of the conference. Seoul, the city of harmonies including the old and the new, will provide an excellent venue for discussions and networking on Design for Harmonies, like harmony of products and services, harmony of culture and technology. As the first Asian city of the ICED series, Seoul will also present diverse harmonies of East and West.

I hope you will join us at ICED13 and have fun and excitement together with all the global design experts.

Cheers.

Yong Se Kim
CONFERENCE CHAIR

COMMITTEE

• Organising Committee

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Yong Se Kim (Sungkyunkwan Univ., Korea)

Sang Won Lee (Sungkyunkwan Univ., Korea)

CALL FOR PAPERS

We are pleased to invite you to prepare and submit papers to the 19th International Conference on Engineering Design: ICED13. The ICED13 programme committee will organise various sessions that cover substantial, original and previously unpublished research. Applied, theoretical and results-oriented papers from both academia and industry, based on rigorous analysis and argumentation, will be considered for inclusion. Papers specifically aimed at discussions are also invited. Submissions could aim to fit one of the nine conference themes as below.

Papers should be submitted using the ICED13 Conference Management System according to the guide given at the ICED13 website: www.iced13.org. Online paper submission will begin in August.

CONFERENCE THEMES

>> DESIGN PROCESSES

- Product development models and strategies
- Design process modeling and management
- Product innovation engineering
- Industrial design

>> DESIGN THEORY AND RESEARCH METHODOLOGY

- Design theories and approaches
- Researching of designs and design methods
- Theory driven design
- Experiments in design
- Design science

>> DESIGN ORGANISATION AND MANAGEMENT

- Organisational understanding of product development
- Design of organisational processes
- Design of workspaces to manage product development
- Market and business implications
- Management of innovation and complexity
- Design practice: Best practice, industry practice (cases)

>> PRODUCT, SERVICE AND SYSTEMS DESIGN

- Product and system modeling
- Product architectures, structural complexity
- Platform design, modularisation, product family design
- Product-service systems design and service design
- Systems design
- Intelligence based design

>> DESIGN FOR X, DESIGN TO X

- Sustainability, ecodesign, design for social sustainability
- DtX (to properties) – cost, time, quality, flexibility, etc.
- DfX (for lifecycle) – manufacturing, assembly, testing, use, recycling etc.

>> DESIGN INFORMATION AND KNOWLEDGE

- Knowledge intensive design
- Design knowledge and collaboration
- Representation of design information

>> HUMAN BEHAVIOUR IN DESIGN

- Designers' thinking, motivations and skills
- Creativity and innovative thinking
- Teamwork in design
- Collaborative and participatory design
- Design communication
- Design for emotion and experience

>> DESIGN EDUCATION

- Teaching examples and experiments
- Education experiences, plans and visions
- Training in design (academic and industrial)

>> DESIGN METHODS AND TOOLS

- Design tactics and methods
- Requirement management, user orientation, user integration
- Evaluation and decision
- Modeling and simulation methods
- Usage and integration of supportive technologies

SCHEDULE & DEADLINES

Call for Papers _

May 2012

Online Submission Open _

August 2012

Submission of Full Papers _

4th January 2013

Final Acceptance of Papers _

24th March 2013

Camera-ready Papers _

15th May 2013

Author Registration Deadline _

10th June 2013

INDUSTRY WORKSHOP

The ICED13 programme committee invites proposals for workshops and tutorials especially targeting design practitioners and researchers in industry as well as special interest group workshops. Full-day or half-day workshops with specific design methods and approaches where ample discussions and hands-on experiences can be accommodated are desired.

ICED13 EXPECTED PARTICIPANTS

The ICED conference series invites and encourages contributions from both academia and industry. For ICED13 we invite a broad exchange of experiences and ideas, especially participants with the following profiles.

- Academics and researchers working in the field of design science
- Researchers and practitioners working on multidisciplinary aspects of design
- Design, engineering and technical professionals and managers
- Product development professionals and managers
- R&D executives working with design and product development strategies and plans
- National and regional development agencies, governmental bodies and research/industry policy organisations.

SEOUL, KOREA

As one of the world's most fascinating cities, Seoul has been the center of politics, culture, commerce and finance in Korea. Seoul is also a historical city, the ancient capital of the Joseon Dynasty, with many tourist attractions, including old palaces and gardens. In Seoul, the past and the present meet together and coexist in harmony. You will be able to enjoy both the flavor of the traditional Korean culture and the excitement of a sprawling metropolitan city.

TRAVEL & ACCESSIBILITY

Korea is located in Far East Asia. The host city, Seoul is situated at the central western part of the Korean Peninsula. Seoul is served by a large state-of-the-art airport, Incheon International Airport, voted World's Best Airport in 2012. International airlines operating flights from major cities to Incheon International Airport are available to the ICED13 participants.



* The Design Society is a registered charity in the United Kingdom, charity number SC031694.

ICED13 SECRETARIAT

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