



The 3rd announcement

## The 2nd International Conference on Design Engineering and Science November 17 -19, 2010, Tokyo, Japan

### Organizer:

Japan Society for Design Engineering

### Co-organizer:

Tokyo University of Science

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### Honorable Chairman:

Eiji MUTOH

Honorable member, Japan Society for Design Engineering, Former executive director of Mutoh Industries, Japan

### Conference Chairman:

Masafumi KATSUTA

President,

Japan Society for Design Engineering,

Waseda University, Japan

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### Date:

November 17 (Wed) - 19 (Fri), 2010

### Conference site:

Morito Memorial Hall, Tokyo University of Science  
4-2-2 Kagurazaka, Shinjuku-ku, Tokyo, Japan

**Access:** 90min. by limousine bus and subway from Narita International Airport or  
10min. by train from JR Tokyo station to Iidabashi station,  
7min. on foot from Iidabashi station

### Scope of the conference:

Nowadays the globalization in design engineering and science field has been rapidly progressing under the background of the evolution of the computer and information technology. The systematization and reorganization of the academic field are advanced in many nations in the world.

The Japan Society for Design Engineering (JSDE) was established as the Japan Society for Mechanical Design and Drafting in 1966 and has continued to contribute to the development of the design engineering especially in mechanical engineering field through the annual conferences and publishing the journals. In 2005, the first International Conference on Design Engineering and Science (ICDES2005) was held in Vienna, Austria as the 40th anniversary event of the society. Many researchers, engineers and educators in the world met at the conference and discussed on many issues on design engineering and science. Then the second conference will be held in 2010 in Tokyo, Japan. The conference will also promote strong interactions between academic and industry in all the aspects of design engineering and science, including human resource development and education.

### Main theme:

The theme of ICDES2010 is then set as

***New Role of Design Engineering and Science***

### Technical Sessions:

In addition to the regular tracks of technical presentations, the technical program will also feature several invited sessions with country, industry and technological specific theme. Special emphasis will be placed on the innovation in design engineering and science. Topics of interest include, but are not limited to the followings:

- (1) Design Methodology  
Design process, Evaluation of design, Design assurance, Conceptual design, Ethics in design, Design strategy, Reliability, Mechatronics design
- (2) Design and Development  
Design of mechanical elements, Mechanical synthesis, Robotics, Linkage, Cam mechanism, Die cast, Biomedical device, Control system design, Welfare device, Vehicle dynamics design, Thermal design, Strength of materials, Human engineering
- (3) Design and Production  
Design management, Life cycle design, Producibility, Production planning, Inverse manufacturing, Reverse engineering, Recycling technology, Machine tool, Automation design, KANSEI
- (4) CAD/CAM/CAE  
Computer graphics, 2D/3D-CAD, CAM, Database, Tool path design, Expert system, Rapid prototyping, Finite element method, Optimization method, Dynamical simulation, Modeling, Artificial Intelligence
- (5) Accuracy and Measurement  
Surface characteristics, Tribology, Tolerance, Truncation, On-machine measurement, Industrial standard
- (6) Design Education  
Creative design education, Project based learning, CAI, Virtual reality, e-learning, Technology transfer, On hand learning, Robot contest, Active learning
- (7) Others Related to Design Engineering and Science

## Sponsors:

The Japan Society for Graphic Science  
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The Japan Society of Mechanical Engineers  
The Japan Society for Precision Engineering  
The Robotics Society of Japan  
Japanese Society of Tribologists  
The Society for Automobile Engineers of Japan  
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## Conference Website:

More details are available in the following conference website:

<http://www.jsde.or.jp/icdes2010>

Anyone can download the author's kit and the registration form of the conference from the Website.

## Conference fees:

The conference fee includes registration, proceedings and banquet.

All attendee (including speaker)	50,000 Jpn yen
Student attendee (including speaker)	25,000 Jpn yen
Attendee without Banquet	40,000 Jpn yen
Student attendee without Banquet	15,000 Jpn yen
Banquet fee for an additional guest	10,000 Jpn yen

## Optional programs:

The organizing committee is now planning the pre- and post-conference tours including ladies program. They will be announced soon.

## Conference Secretariat:

If you have any questions or proposals on ICDES2010, please contact the following secretariat:

Prof. Toshio OTAKA  
Department of Science and Engineering,  
School of Science and Engineering,  
Kokushikan University  
4-28-1 Setagaya, Setagaya-ku,  
Tokyo 154-8515, JAPAN  
Tel. +81-3-5481-3334  
E-mail: [icdes2010@jsde.or.jp](mailto:icdes2010@jsde.or.jp)

## Program:

November 17 (Wed) Registration, Opening ceremony  
Special speech  
"The Practice of Creative Design"  
by Prof. Yotaro HATAMURA, Kogakuin University, Japan  
Technical sessions  
November 18 (Thu) Special speech  
Technical sessions  
Banquet  
November 19 (Fri) Technical sessions  
Closing Ceremony

## Keynote Speeches:

"Prediction and Science in the Sustainable Design of Large Complex Systems"  
by Prof. Emma Dewberry, Open University, UK  
"Reflections on Design Thinking and Learning"  
by Prof. Clive L. Dym, Harvey Mudd Collige, USA  
"Challenges in Engineering Design: Approaches for Variant Design, Configuration Considering Module Design and Complexity"  
By Prof. Karl-Heindrich GROTE, Magdeburg University, Germany  
"Engineering Design as a Form of Politics"  
by Prof. Patrick LITTLE, Harvey Mudd Collige, USA  
"Multispace Design Model as a Framework for Design Science"  
By Yoshiyuki MATSUOKA, Keio University, Japan  
"Design Innovation by Engineering and Science"  
by Prof. Tamotsu MURAKAMI, The University of Tokyo, Japan  
"Engineering Design as a Form of Politics"  
by Prof. Patrick LITTLE, Harvey Mudd Collige, USA  
"Managing Reliability in Design"  
by Lesley WALLS, University of Strathclyde, UK

## Submission Procedure:

Submission with a full-length paper should be sent by April 20, 2010 to the Program Chairman in one of the following ways:

(1) E-mail submission: send a file in PDF format attached with the E-mail to:

[icdes2010@jsde.or.jp](mailto:icdes2010@jsde.or.jp)

with the subject "ICDES2010"

(2) Hard copy: send four copies of full-length paper by airmail to the Program Chairman:

Prof. Tohru KANADA

Department of Mechanical Engineering,

Kanto Gakuin University

1-50-1 Mutsuura-higashi, Kanazawa-ku, Yokohama 236-8501, Japan

Tel: +81-45-786-7111 Email: [icdes2010@jsde.or.jp](mailto:icdes2010@jsde.or.jp)

Please include a cover page with name, address, affiliations, contact telephone/fax numbers, and E-mail address of the correspondence author, and title of the paper, five keywords to indicate the subject area of the paper, and the technical session name for the paper.

## Deadlines:

**Submission deadline has been extended!**

Submission of contributed papers	<b>June 20, 2010</b>
Notification of acceptance of contributed papers	<b>August 20, 2010</b>
Submission of camera ready manuscripts	<b>September 20, 2010</b>
Conference program	<b>October 5, 2010</b>
Deadline for early registration	<b>October 20, 2010</b>