



THE NINTH ANNOUNCEMENT

## Call for Papers

# The 3rd International Conference on Design Engineering and Science August 31 – September 3, 2014, Pilsen, Czech Republic

### Organizer:

Japan Society for Design Engineering

### Co-organizer(under the auspices of):

University of West Bohemia (UWB),  
the City of Pilsen, and Pilsen Region

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Eiji MUTOH

### Conference Chairman:

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**Accommodation and Social Program:**

Petra HANAKOVA, Parkhotel



### Date:

August 31 (Sun) – September 3 (Wed), 2014

### Conference site:

Parkhotel, U Borskeho parku 31, 320 04 Plzen, Czech, <http://www.parkhotel-czech.eu/>

**Access:** Prague 90km, Nuernberg 180km, Muenich 290km, Vienna 350km, Berlin 410km  
Paris 1000km Milano 780km and 2 km from Pilsen city center.

International Roads: E50, E53, E49 and Motorway D5.

Airport: Prague Ruzyně 80km (using D5)

### 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. Many researchers, engineers and educators in the world met at ICDES2005 in Vienna and ICDES2010 in Tokyo and discussed on many issues on design engineering and science. Then the third conference will be held in 2014 in Pilsen, Czech under the auspices of the City of Pilsen and the University of West Bohemia. 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. Moreover, JSDE is going to link up with the Design Society (DE) and its Design Education Special Interest Group (DE SIG) of United Kingdom.

### Main theme:

The theme of ICDES2014 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 and Workshop with the Design Society and the Design Education SIG.

## Organizing Committee:

**Chair:** Tohru KANADA, Kanto Gakuin Univ.  
**Co-chair:** Stanislav HOSNEDL, UWB  
**Co-chair:** William ION, University of Strathclyde  
**Treasurer:** Nobuyuki IWATSUKI, Tokyo Inst. of Tech.  
**Invited session:** Keiichi WATANUKI, Saitama Univ.  
**Program:** Toshio OTAKA, Kokushikan Univ.  
**Publication:** Koki KIKUCHI, Chiba Inst. of Tech.  
**Paper Review:** Koki KIKUCHI, Chiba Inst. of Tech.  
**Award:** Hideki AOYAMA, Keio Univ.  
**Conference site:** Stanislav HOSNEDL, UWB  
**General affairs and Secretariat:**  
Masayuki OCHIAI, Tokai Univ.

## Paper Review Committee:

**Chair:** Koki KIKUCHI, Chiba Inst. Of Tech.

## Paper Award and Student Award Committee:

**Chair:** Hideki AOYAMA, Keio Univ.

## Partners and/or Sponsors:

(to be fixed)

Japan Society for Design Engineering (JSDE)  
Japan Society for Graphics Science (JSGS)  
Japanese Society for the Science of Design (JSSD)  
Japanese Council of IFToMM  
The Japan Society of Mechanical Engineers (JSME)  
The Japan Society for Precision Engineering (JSPE)  
The Robotics Society of Japan (RSJ)  
Japanese Society of Tribologists (JAST)  
The Society for Automobile Engineers of Japan (JSAE)  
The Society of Instrument and Control Engineers (SICE)  
Japanese Society for Engineering Education (JSEE)  
The Surface Finishing Society of Japan  
Japan TRIZ Society  
Japan Creativity Society  
The Design Society  
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University of West Bohemia  
Municipal Government of City of Pilsen  
Council of Pilsen Region  
MM (Modern Machinery) Science Journal  
American Transactions on Engineering & Applied Science

## Conference Secretariat:

Asst. Prof. Masayuki OCHIAI  
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School of Engineering (Shonan Campus),  
Tokai University  
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## Program ( Tentative ):

August 31 (Sun)	Registration from afternoon (with soft drinks)
September 1 (Mon)	Opening ceremony, Special speech and Technical sessions (parallel)
September 2 (Tue)	Technical sessions (parallel) Buffet dinner (Banquet)
September 3 (Wed)	Technical sessions (parallel) Closing ceremony

## Submission Procedure:

Submission with a full-length paper should be sent by the end of October, 2013 to the Program Chairman in the following way:

**Only E-mail submission:** send a file in PDF format attached with the E-mail to:

[icdes2014@jsde.or.jp](mailto:icdes2014@jsde.or.jp)

with the subject "Application of ICDES2014 "

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. **You can download the format of cover page and paper contents from the Conference Website as mentioned below. Please comply with the rules in the format file (WORD doc or docx file). Some of the best papers are recommended to submit to (1) American Transactions on Engineering & Applied Sciences and (2) MM (Modern Machinery) Science Journal. These two journals treat the papers on a priority basis.**

## Deadlines:

Submission of contributed papers	<b>December 31, 2013</b>
Notification of acceptance of contributed papers	<b>January 31, 2014</b>
Submission of camera ready manuscripts	<b>March 31, 2014</b>
Conference program	<b>April 30, 2014</b>
Deadline for early registration	<b>July 31, 2014</b>

## Conference Website:

More details are available in the following conference website:

<http://www.jsde.or.jp/icdes2014>

Anyone can download the author's kit and register to the conference from the website.

## Conference fees (per one person):

The conference fee includes registration, proceedings, coffee/tea breaks.

Attendee with banquet (including speaker)	50,000 Jpn yen 60,000 Jpn yen
Student attendee with banquet (including speaker)	25,000 Jpn yen 25,000 Jpn yen
Attendee without banquet	40,000 Jpn yen 50,000 Jpn yen
Student attendee without banquet	15,000 Jpn yen 15,000 Jpn yen
Banquet fee for an additional guest (including student)	10,000 Jpn yen 10,000 Jpn yen

**Upper fee is applied for early registration (end of July, 2014) and lower fee is applied after August 1, 2014.**

**Optional programs:** The following three plans are introduced in the ICDES 2014 web site.

Plan A : Cesky Krumlov, Plan B: Karlovy Vary and Plan C: Pilsen  
Plan C will be supported by the sponsorship from Plzensky Prazdroj.



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