



THE FIRST ANNOUNCEMENT **Call for Papers**

The 4th International Conference on Design Engineering and Science
September 17 - 19, 2017, Aachen, Germany

Organizer:

Japan Society for Design Engineering

Co-organizer:

RWTH University and the City of Aachen

Honorable Chairman:

Eiji MUTOH

Conference Chairman:

Kazuyuki SASAJIMA, President, JSDE

Local Organizing Committee :

Honorary Chair:

Chair: Prof. Jörg Feldhusen
(ikt RWTHAACHEN)

Co-chair: Manuel LOWER
(ikt RWTHAACHEN)

Organizing Committee :

Chair: Toshio Otaka (Kokushikan Univ.)

Co-chair: Prof. Jörg Feldhusen
(ikt RWTHAACHEN)

Co-chair: Keiichi Watanuki (Saitama Univ.)

Yoshiyuki Matsuoka (Keio Univ.)

Koki Kikuchi (Chiba Inst. of Tech.)

Takeo Kato (Keio Univ.)

Toshiyuki Hirano (Kokushikan Univ.)

Hidetoshi Takahashi (Tokyo Inst. of Tech.)

Tamotsu Murakami (Tokyo Univ.)

Kenji Kobayashi (Meiji Univ.)

Yusuke Ota (Chiba Inst. of Tech.)

Jun Tomioka (Waseda Univ.)

Nobuyuki Iwatsuki (Tokyo Inst. of Tech.)

Tohru Kanada (Kanto Gakuin Univ.)

Daisuke Matsuura (Tokyo Inst. of Tech.)

Date:

September 17 (Sun)

– September 19 (Tue), 2017

Program (Tentative):

September 17 (Sun)

Registration (with soft drinks)

September 18 (Mon)

Opening ceremony

Special speech

Technical sessions (parallel)

Buffet dinner (Banquet)

September 19 (Tue)

Technical sessions (parallel)

Closing ceremony



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, ICDES2010 in Tokyo and ICDES2014 in Pilsen and discussed on many issues on design engineering and science. Then the fourth conference was held in 2017 in Aachen, Germany under the auspices of the City of Aachen and the RWTH Aachen University. 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 ICDES2017 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

Deadlines:

Submission of contributed papers	October 31, 2016
Notification of acceptance of contributed papers	January 31, 2017
Submission of camera ready manuscripts	March 31, 2017
Conference program	April 30, 2017
Deadline for early registration	July 31, 2017

Conference Website:

More details are available in the following JSDE website shortly:

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

Optional programs:

The organizing committee is now planning the social program for accompanying people. They will be announced soon at the website. That must be interesting.