EXCELLENCE IN DESIGN

13th INTERNATIONAL DESIGN CONFERENCE

IMPORTANT DATES:

Final acceptance of papers: February 28, 2014

Publish-ready papers: March 21, 2014

Final Conference programme: April, 2014

FULL PAPER submission deadline: December 9, 2013

ORGANISATION

University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture
The Design Society
HDESK - Croatian Society for Mechanical Engineering Design

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CALL FOR PAPERS

www.designconference.org
May 19 – 22, 2014
Dubrovnik - Cavtat - Croatia

Design Theory and Research
Design Organisation and Management
Design Processes | Design Methods
Design Support Tools
Design Information and Knowledge
Human Behaviour and Design
Engineering Design Practice
Systems Engineering and Design
Sociotechnical Issues in Design
Industrial Design | Design Innovation
1. Design Theory and Research

Engineering design research brings a history of research activities associated with it. However, the establishment of credible conventions and well-supported new theories and innovative research approaches is a continuing task. Papers which have a valid basis and contribution to the community undertaking design research will be of particular interest in this area.

2. Design Organisation and Management

A critical factor in the effectiveness of designers and teams is the way that they are organized and managed. This core area will deal with strategies, methods and tools to support innovation in everyday design work with its manifold relations to internal partners as well as to suppliers and customers. Training and work topics as collaborative working, design strategies, virtual organizations, distributed teams, the supplier designer interface and evaluation and innovation management.

3. Design Processes

There are various views on the overall design process and there are a wide variety of product company- or branch specific approaches. Design processes are continuously subject to new approaches. Authors will be expected to show how their results add to various design process improvement approaches. Examples of the impact of new approaches or new implementation tactics would be highly relevant.

4. Design Methods

Papers selective to this core area will be expected to propose novel design or methodological approaches for improvements of not just any type of design process. Authors will be expected to show how their new ideas or methods have been implemented in practice. The papers will be published in a special edition of the journal. The area and these two criteria have contributed to the overall effectiveness of the process.

5. Design Support Tools

The provision of innovative support tools within the engineering design process allows for the effective delivery of high quality products and systems. Papers submitted for this core area may be submitted as full papers or as extended abstracts. Papers will be expected to propose novel tools for any design related activity and for any phase of the design process. Papers will be published in a special edition of the journal. This area and these two criteria have contributed to the overall effectiveness of the design process.

6. Design Information and Knowledge

The extent of the appropriate amounts of high quality and relevant design information and knowledge is seen as being critical to the success of group-based design and development. Papers submitted to this core area may present methodological approaches to design and implementation strategies that have been evaluated in practice, with a reflection of the difficulties are of particular interest.

7. Human Behaviour and Design

The human aspect of design is crucial and arguably has two aspects. One being the role that the designer has in producing products and systems that relate to the users needs. Is there a way in which the designer can be supported to be more creative and innovative. As well, another aspect is the way in which the engineered product will function. Is there any cross-reference to human-computer interface work or other human aspect work would be of interest.

8. Engineering Design Practice

This topic is to provide insights into particular challenges or to illustrate engineering design practice. Contributions will welcome papers demonstrating the engineering design practice, competence, experience and usefulness in manufacturing, supply chain and sustainability. We are particularly keen on papers showing the successful application of traditional and everyday design methods to research community needs.

9. Systems Engineering and Design

We are continuing to refine the topics that include system design and engineering design methodology. Current considerations of sustaining and differences among two approaches include processes, methods, tools, and education. Should fundamental tools and techniques used to support the development of products and systems in the complex systems engineering process.

10. Sociotechnical Issues in Design

Technology has a profound influence in all aspects of our everyday lives and design processes. Discoveries made during design processes shape our understanding of tools and products. Contributions in this topic should address engineering values and ethics, social sustainability, explore and define the research agenda of interdisciplinary collaboration.

11. Industrial Design

The papers addressing multidisciplinary aspects of design, systematically discussing methods and tools relevant for both industrial and engineering designers will be welcomed under this topic.

12. Design Innovation

Creative, holistic, multidisciplinary studies of design and the interplay of design and innovation that turns technological inventions into welfare outcomes. Papers addressing innovation and innovation as a consequence of the implementation of any technology and products. Decisions made during design processes shape our understanding of tools and products. Contributions in this topic should address engineering values and ethics, social sustainability, explore and define the research agenda of interdisciplinary collaboration.

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Programme

The organisers of the DESIGN Conferences are tending to develop the conference beyond the traditional role of delivering research reports and findings in to a interactive environment where authors can progressively create opportunities for knowledge exchange regardless if they are novices or experienced professionals in Engineering Design, Product Development or Research Design.

Plenary sessions - will host invited presentations that will set the scene for the conference topics and areas. Speakers will be allocated 30 - 45 minutes for presentation and discussion of their contributions.

Topic oriented sessions - will host selected papers reviewed by topic. Sessions will be allocated 20 - 25 minutes for presentation and discussion of their contributions.

Workshops - by tradition workshop sessions at DESIGN conference aim to bring together users and experts in the half-day programme. The purpose of workshops is to facilitate the presentations and discussions in order to stimulate the debate as much as possible. The workshop could be as short as 15 minutes.

The workshops will be organized on Monday, 19th of May 2014. The workshop will be half a day long, and will host selected papers that relate to specific topics. The workshops will be organized on Monday, 19th of May 2014. The workshop will be half a day long, and will host selected papers that relate to specific topics.

The Design Debate - The Design Debate is a unique feature introduced at the DESIGN 2014 conference. The purpose of debate is to investigate in a forensic manner design research. How to research, needs and expectations. Companies that have not been successful.

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Conferences proceedings are indexed in several databases, including Thomson Reuters Conference Proceedings Citation Index since 2002.