

DESIGN SOCIETY E-NEWS, APRIL 2014

Dear colleagues

Please find below the Design Society e-News. We have reduced its length and have instead included links to additional information on the various topics. If you have any information that needs to be communicated to our colleagues, please do not hesitate to send the information in a timely manner to news@designsociety.org. We are setting up a web site to automate the submittal of information to the Newsletter, we will inform you when it will be operational

***** ICED'15 – MILANO, ITALY July 27-31, 2015 –**

http://www.designsociety.org/news/192/iced15_the_20th_international_conference_on_engineering_design_27-31st_july_2015

***** NEWS OF THE DESIGN SOCIETY SPECIAL INTEREST GROUPS *****

***** OTHER NEWS OF INTEREST – CONFERENCES AND WORKSHOPS *****

**2ND INTERNATIONAL SPRING SCHOOL ON SYSTEMS ENGINEERING (IS3E),
12 - 16 MAY 2014, GARCHING (NEAR MUNICH), GERMANY**

Website: <http://www.is3e.eu>

The 13th INTERNATIONAL DESIGN CONFERENCE May 19-22, 2014

Cavtat near DUBROVNIK, Croatia.

<http://www.designconference.org/>

**INTERNATIONAL CONFERENCE ON 'DESIGN FOR SUSTAINABLE WELL-BEING AND EMPOWERMENT' AT INDIAN INSTITUTE OF SCIENCE (IISC),
BANGALORE ON 12-14 JUNE 2014.**

Website www.designforwellbeing.nl

**DESIGNING INTERACTIVE SYSTEMS 2014 (June 21-25, 2014,
Vancouver, Canada)**

Website: <http://www.dis2014.org>

<http://designcalls.wordpress.com/2013/08/31/designing-interactive-systems-2014-june-2014-vancouver-canada/#more-1595>

**SIXTH INTERNATIONAL CONFERENCE ON DESIGN COMPUTING AND
COGNITION DCC'14 (23-25 June 2014 LONDON, UK)**

<http://mason.gmu.edu/~jgero/conferences/dcc14/>

XCOAX 2014: 2ND INTERNATIONAL CONFERENCE ON COMPUTATION, COMMUNICATION, AESTHETICS AND X (JUNE 26-27, 2014, PORTO PORTUGAL)

Website: <http://xcoax.org/>

INTL CONF ON COMPUTATIONAL CREATIVITY (JUNE 10-13, 2014, LJUBLJANA, SLOVENIA)

Website: <http://computationalcreativity.net/iccc2014/>

INTERNATIONAL JOINT CONFERENCE 2014 IDMME-VC / IMPROVE / INGEGRAP June 18-20, 2014 TOULOUSE, FRANCE

Website: : <http://idmme2014.sciencesconf.org/>

20TH ICE CONFERENCE – IEEE TMC CONFERENCE, 23-25 JUNE 2014, Bergamo, Italy

Website: <http://www.ice-conference.org/>.

INTERNATIONAL CAD CONFERENCE, JUNE 23-26, 2014,

Hong Kong University of Science and Technology, China

BIT's 1st ANNUAL WORLD CONGRESS OF DESIGNERS- JUNE 26-29, 2014 DALIAN, CHINA

Website: <http://www.bitcongress.com/awcd2014/>

11TH INTERNATIONAL CONFERENCE ON PRODUCT LIFE CYCLE MANAGEMENT PLM14, YOKOHAMA, JAPAN, 7-9 JULY 2014

Website: <http://www.procomu.jp/plm14/>

Inquiries: plm14yokohama@gmail.com

16TH INTERNATIONAL DSM CONFERENCE, JULY 2-4, 2014, PARIS, FRANCE

Website: <http://www.dsm-conference.org>.

9TH CONF OF THE INTL CMTE FOR DESIGN HISTORY AND DESIGN STUDIES (JULY 9-11, 2014, PORTUGAL)

Location: University of Aveiro, Portugal

Website: <http://icdhs2014.web.ua.pt/>

11TH IEEE INTL WORKSHOP ON SOFTWARE CYBERNETICS (JULY 21-25, 2014, VASTERAS, SWEDEN)

Website: <http://compsac.cs.iastate.edu/iwsc2014.php>

NORDDESIGN 2014 at Aalto University Design Factory

Espoo, August 27th – 29th 2014

Website: www.norddesign2014.fi

**10TH INTERNATIONAL IDE WORKSHOP SEPTEMBER 10-12, 2014,
GOMMERN, GERMANY**

Website: <http://www.ide-workshop.de>

**8TH INTERNATIONAL CONFERENCE ON AXIOMATIC DESIGN
ICAD2014, 24-26, September 2014, CAMPUS DE CAPARICA,
PORTUGAL,**

Location: Universidade Nova de Lisboa, Portugal.

Website: <http://eventos.fct.unl.pt/icad2014>.

**NORDIC INNOVATION CONFERENCE 2014, 15-17 OCTOBER, GJOVIC,
NORWAY**

Website: <http://www.nic14.org>

**THE 5TH INTERNATIONAL CONFERENCE ON RESEARCH INTO DESIGN
(ICORD'15), INDIAN INSTITUTE OF SCIENCE, BANGALORE, DURING
7-9 JANUARY 2015**

Website: <http://www.cpdm.iisc.ernet.in/icord15/>

***** JOURNALS SPECIAL ISSUES *****

ASME Journal of Mechanical Design

Special Issue: User Needs and Preferences in Engineering Design

Addressing user needs and preferences is critically important in developing innovative and successful engineered products and systems. The task is inherently challenging due to the heterogeneity of user needs and the difficulty of modeling human behavior. In addition, it remains a challenge to integrate user preferences with designer preferences in the process of engineering design. The past decade has seen a significant growth in user-focused design research that introduces principles from different domains, such as market research, economics, cognitive science, and social science. However, there is still a lack of integration of these methods, either qualitative or quantitative, for directly supporting engineering design decisions. It is therefore imperative to develop interdisciplinary design approaches to address “interface” issues among different domains and engineering design, considering market demand, usage context, social behavior, environmental impact assessments, etc. Consequently, the *ASME Journal of Mechanical Design* calls for submissions for a special issue on addressing *User Needs and Preferences in Engineering Design*. Topics can include, but are not limited to the following:

- User preference modeling and elicitation in engineering design
- Consumer choice and product demand modeling
- Design decision models and approaches based on user needs and preferences
- Crowdsourcing and social computing for user-focused engineering design
- Capturing user needs and preferences from web-based user generated contents
- Incorporating social influence and human perceptions in product design
- Uncertainty handling in addressing user needs and preferences
- Studies of human behavior (cognition, visual, etc.) for design

- Design for human variability and customer heterogeneity
- User-centered design innovation, customization, and personalization
- Design for emotion and user experience
- Design for usage contexts
- Design for market systems

While application areas are not limited to a specific domain of interest, we encourage submissions that address user needs and preferences in designing complex, emerging engineering systems with life-cycle and sustainability considerations. Papers from interdisciplinary research teams are strongly encouraged. Although the inclusion of a complete design case study is not mandatory, the design context under which the methods can be used needs to be clearly stated in all submissions — relevance to engineering design will be explicitly considered as a criterion in the review process.

Submission Instructions

Please submit your paper to ASME at <http://journaltool.asme.org/Content/index.cfm> and note on the cover page that your paper is intended for the special issue on “User Needs and Preferences in Engineering Design”. Please also email the Editor, Dr. Shapour Azarm at editor@asmejmd.org, to alert him that your paper is intended for the special issue. Information about the *Journal of Mechanical Design* can be found at <http://www.asmejmd.org/index.php>. *Please note that a limit of 12 journal pages without ASME page fees will be observed.* Early submission before the deadline is strongly encouraged.

Publication Target Dates

Authors submit papers by: September 15, 2014
 Initial review completed by: November 15, 2014
 Publication of special issue by: July 2015

Early submissions are strongly encouraged. Papers submitted by September 15, 2014 will be reviewed in time for inclusion in the special issue. Papers received after that date may still be considered for the special issue, if time and space permits.

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***** JOB OPPORTUNITIES *****

***** THE DESIGN SOCIETY *****

The Design Society is a charitable body, registered in Scotland, number SC 031694, Registered Company Number : SC401016

The Design Society web site is <http://www.designsociety.org>

You may contact the Society using contact@designsociety.org

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