



Call for Papers

Thematic Issue on :

« Advanced Prototyping for Human-Centered Design of Information Appliances »

Topics

Prototyping of interactive devices, human-computer interaction, usability assessment, human-centered design, capturing and modelling of interactions, applications of virtual reality to prototyping, augmented prototypes, computer supported tools and devices for prototyping, digital prototyping, case studies of prototyping interactive devices in industry.

Proposal

During the design process, prototypes play an important if not crucial role for exploration, evaluation, simulation and communication. However, the development of advanced products such as information appliances with human interfaces demands prototypes that is difficult if not impossible to realize in an economical way. This is in particular the case for combining physical shape and digital behaviour, which should be considered simultaneously for evaluating ergonomics and the user experience.

The objective of this special issue “Advanced Prototyping for Human-Centered Design of Information Appliances” is to report state of the art technology of tools, methods, and techniques of prototyping information appliances with human interfaces. Information appliances refer to a wide range of products that include electronics and input and output means to let the user interact with information, e.g. mobile phones, MP3 players, electronic tour guides. Technology needed for the prototyping is inherently cross-disciplinary. The scope of the papers widely ranges among design methodology, industrial design, human interface, virtual reality, ergonomics, usability engineering, CAD and software engineering each of which is relevant to prototyping information appliances. Examples of the topics are (but not limited to) tools for supporting conceptual phase of interaction design, applications of virtual reality to user-interface design, capturing and modelling of the user-interface behaviours and computer-supported tools for usability assessments. Practical case studies or projects of prototyping advanced appliances in industry are also welcome to the issue.

Online Submission

Manuscripts should conform to the standard format of the International Journal on Interactive Design and Manufacturing as indicated in the official web sites. Electronic submissions must be in Word or Pdf format and should be prepared according to the journal guidelines. The submissions should be performed through the journal automatic system: <https://www.editorialmanager.com/ijdm/>. The copies of all submitted articles are also sent by email to both guest editors simultaneously (see contact information below).

Important Dates

Manuscript submission	---March 30th, 2009
Notification of Acceptance	---May 15 th , 2009
Final Decision	---June 30 th , 2009

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