INFORMATION FOR AUTHORS

The **International Journal of Human-Computer Interaction**, published by Lawrence Erlbaum Associates, provides the highest quality of current research in HCI.

For this special issue, manuscripts should be submitted to the co-editors of the special issue. The first submission is due on **August 15, 2005**. Your submission should either be an expanded version of the paper from the NordiCHI Workshop on the theme of this special issue, where you have taken into account the comments from participants at your NordiCHI presentation, or a new paper that deals with the topic described below. Both types of submissions will go through the same review process.

The theme of the special issue is the interplay between usability evaluation and User Interaction Design. Research into how to build usable systems consists of two, largely independent strands. On the one hand, more than 20 years of research in HCI has created and compared techniques for usability evaluation. On the other hand, methods for design of user interaction have significantly advanced in the last decades, through the widespread of for example contextual design, agile development methods, and participatory design. However, we have seen little substantial exchange of results between the strands, and sparse efforts to combine their methods in practice. Larry Constantine, a prominent software development researcher, and his colleagues observe that "Integrating usability into the software development process is not easy or obvious" (Juristo et al. 2001, p. 21).

In practical software development, usability evaluation and user interaction design are frequently carried out in surprising independence of each other. For example, integrating usability evaluation at relevant points in user interaction design with successful and to-the-point results has proved difficult. The organization of software development and short development cycles exacerbate this difficulty.

With this special issue, we seek to significantly advance our understanding of issues that influence the interplay between usability evaluation and user interaction design. To accomplish this goal, we solicit papers describing qualitative or quantitative empirical studies of the current state of that interplay and/or efforts to improve it.

Possible topics include studies that explore:

- organizational, social and psychological factors affecting the interplay between usability evaluation and user interface design,
- different products from user interaction design as the basis for usability evaluation,
- usability evaluation techniques particularly relevant in specific development phases,
- various forms of feedback from usability evaluation to user interaction design and their strengths and weaknesses,
- characteristics of usability evaluation results needed in user interaction design,
- integration of usability evaluation into existing or novel approaches to user interaction design or software development.

Manuscripts are accepted for review with the understanding that the same work has not been and will not be published nor is presently submitted elsewhere (other than a shorter NordiCHI version), and that all persons listed as authors have given their approval for the submission of the paper. Further, that any person cited as a source of personal communication has approved such citation. Written authorization may be required at the Editor's discretion. Articles and other material published in the **International Journal of Human-Computer Interaction** represent the opinions of the authors and should not be construed to reflect the opinions of the Editors or the Publisher.

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Responsibility for the accuracy of material in the manuscript, including appropriate reference to related work, lies entirely with the authors.

Note the page limit: The manuscript should fit within 30 double-spaced pages including references, figures, and tables.

Types of manuscripts: The **International Journal of Human-Computer Interaction** considers scholarly contributions of various types, including:

Original Research: These manuscripts address the cognitive, social, health, and ergonomic aspects of work with computers and

emphasize both the human and computer science aspects of the effective design and use of computer interactive systems. The Journal presents original research both in the generic aspects of interface design and in the special applications of interface design in a variety of diversified leisure and work activities.

Survey Papers: Review and reappraisal of critical areas of interest to the human-computer interaction (HCI) research and development community. Contributions in this category should provide well-organized summaries of large bodies of existing literature, synthesized into critical insights that extend current theories and practices.

Research Reports: Pilot studies or small sample size experiments that provide preliminary findings that uncover promising new directions in HCI research.

Case Studies: Implementation or development efforts that have insightful lessons-learned from design, development and implementation of design techniques or new interactive technologies.

Industry Trends: These contributions will review "the best" research and practice that major organizations have in human-computer interaction, highlighting both successful and ineffective HCI practices.

Preparation of manuscripts: Submit the manuscript in typewritten form, double-spaced, with one-inch margins on all sides in MS-Word format. Articles should be concise and in English.

Page 1 should contain the article title, author(s) affiliation(s), a short form of the title (less than 55 characters including letters and spaces), and the name and complete mailing address of the author to whom correspondence should be sent.

All abbreviations should be defined in the text or in a footnote. Abbreviations should be unpunctuated.

Tables and Figures: Tables and figures should be completely understandable even without reading the text. Every table should have a title directly above it. Every figure should have a legend (listed on separate page). Figures and tables should be identified consecutively with Arabic and Roman numerals, respectively. Tables and figures should be separate from the text. Leave instructions in text where they should be placed.

Graphs and charts should be professionally prepared and may be submitted as original black ink drawings or as sharp black and white photographic reproductions. The size of the lettering on the figures and charts must be legible when reduced to one-half size.

Normally, photographs and color plates will not be accepted. Authors needing exception to this should discuss their requirements with the Editor before submission.

Corrections: Authors are expected to promptly correct and return page proofs when provided by the Publisher. Authors may be required to pay for the cost of changes, additions, or corrections other than corrections of printer's or publisher's errors although the Publisher may waive such charges.

References: The style for text citations and reference lists is in accordance with the *Publication Manual of the American Psychological Association* (3rd ed., 1983). Examples for a book, a chapter in an edited volume, and a journal article are:

Shneiderman, Ben. (1980). *Software psychology*. Boston: Little, Brown and Company.

Barfield, W., Chang, T., Majchrzak, A., Eberts, R., & Salvendy, G. (1987). Technical and human aspects of computer-aided design. In G. Salvendy (Ed.), *Handbook of human factors*. New York: John Wiley and Sons, 1617-1656.

Smith, M.J. (1987). Mental and physical strain at VDT workstations. *Behaviour and Information Technology, 6*, 243-255.

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