

Call for Chapters for the
***Handbook of Research on User Interface Design and
Evaluation for Mobile Technology***

Edited by Joanna Lumsden, National Research Council of Canada

Human-computer interaction (HCI) focusing on mobile technologies is one of the most rapidly advancing disciplines. New devices, concepts, and use cases are constantly being developed, making mobile HCI a “hot” topic. Designing the user interface/interaction for mobile applications is a very complex undertaking, given the rapid technological developments in mobile hardware and the diverse contexts in which mobile technologies are used. Not only is the design of the human-computer interaction for mobile technologies difficult, so, too, is the evaluation of such designs. Evaluation set-ups and techniques for mobile technology require as much consideration as the design of the technologies themselves; for the results of evaluations of mobile applications to be meaningful, the manner in which the evaluations are conducted needs to be the focus of considerable research in itself.

Teachers, researchers, and professionals of the discipline need access to the most current information about the concepts, issues, trends, and technologies in this emerging field. The ***Handbook of Research on User Interface Design and Evaluation for Mobile Technology*** aims to provide comprehensive coverage of the most important issues, concepts, trends and technologies in mobile human-computer interaction. This important new publication will be distributed worldwide among academic and professional institutions and will be instrumental in providing researchers, scholars, students, and professionals with access to the latest knowledge related to designing and evaluating mobile applications.

Coverage: To ensure that this publication has the most comprehensive current and relevant coverage of all topics related to the design and evaluation of mobile technology, we are inviting researchers, leading experts in their particular areas of research, to contribute chapters of 5,000 – 7,500 words that offer an in-depth discussion of key issues, concepts, and trends related to the development of usable mobile technologies and applications.

Sample topics include, but are not limited to:

- *Novel Interaction Techniques for Mobile Technologies*
 - non speech audio-based interaction techniques
 - speech-based interaction techniques
 - graphical interaction techniques
 - gestural interaction techniques
 - tactile interaction techniques
 - multimodal interaction
- *User Interface Design for Mobile Technologies*
 - design methods/approaches
 - user interface migration from desktop to mobile technologies
 - e-Commerce v. m-Commerce user interface design
 - user interface architectures for mobile technologies
- *Evaluation Techniques for Mobile Technologies*
 - mobile HCI lab design/set-up
 - lab-based evaluation techniques
 - field evaluations
 - lab v. field evaluations
 - ethical implications of mobile evaluations

- *Case Studies*
 - case studies and/or reflections on experience in any of the above – e.g. descriptions of successful mobile user interfaces, evaluation set-ups, etc.
 - mobile technologies as assistive devices
 - “success stories”

Invited Submissions: Individuals interested in submitting chapters (5,000 – 7,500 words) on one or more of the above listed topics (or other related topics) should submit one or more brief (75-100 word) proposals to the editor (jo.lumsden@nrc-cnrc.gc.ca) by no later than **June 9th, 2006**. We strongly encourage other topics that have not been listed but are related to your research interests and the focus of this book. Upon acceptance of your proposal, you will have until **22nd September, 2006** to prepare and submit your chapter (including 7-10 related terms and their appropriate definitions). Guidelines for preparing your chapter and terms and definitions will be sent to you upon acceptance of your proposal(s). You will be notified about the acceptance or otherwise of your proposal(s) by 23rd June, 2006. This book is tentatively scheduled for publishing by Idea Group Reference (an imprint of Idea Group Inc.) in late 2007.

Important Dates:

- Deadline for submission of proposals: 9th June, 2006
- Notification of proposal acceptance: by 23rd June, 2006
- Deadline for submission of chapters: 22nd September, 2006
- Notification of chapter acceptance: by 30th November, 2006
- Deadline for submission of revised chapters (where applicable): 15th January, 2007
- Final notification of chapter acceptance (revised chapters): by 31st January, 2007
- Deadline for final camera-ready copy submission: by 23rd February, 2007

For more information about this publication, please visit:

<http://www.humanweb.ca/handbookOnMobileHCI/>

Please submit your proposals to Joanna Lumsden, editor, at jo.lumsden@nrc-cnrc.gc.ca no later than 9th June, 2006. You will be notified about the status of your proposed topic(s) by 23rd June, 2006. If you have any questions or concerns, please contact the editor.