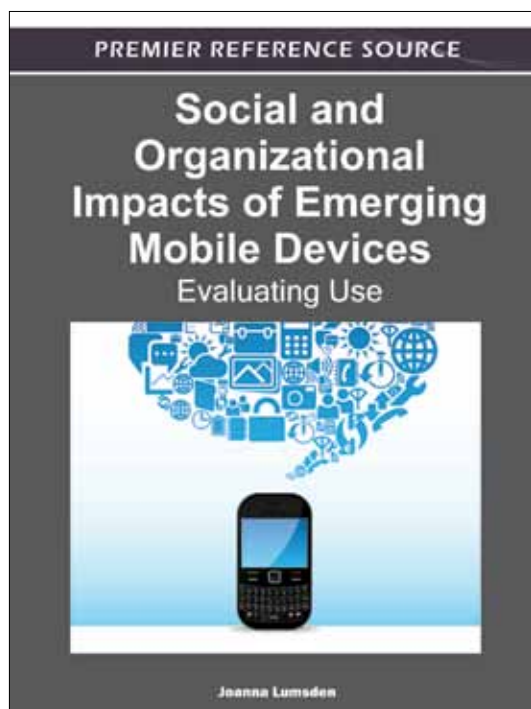


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Social and Organizational Impacts of Emerging Mobile Devices: Evaluating Use



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As mobile devices become increasingly diverse and continue to shrink in size and weight, their portability is enhanced but, unfortunately, their usability tends to suffer. Ultimately, the usability of mobile technologies determines their future success in terms of end-user acceptance and, thereafter, adoption and social impact. Widespread acceptance will not, however, be achieved if users' interaction with mobile technology amounts to a negative experience. Mobile user interfaces need to be designed to meet the functional and sensory needs of users.

Social and Organizational Impacts of Emerging Mobile Devices: Evaluating Use focuses on human-computer interaction related to the innovation and research in the design, evaluation, and use of innovative handheld, mobile, and wearable technologies in order to broaden the overall body of knowledge regarding such issues. It aims to provide an international forum for researchers, educators, and practitioners to advance knowledge and practice in all facets of design and evaluation of human interaction with mobile technologies.

Topics Covered:

- Design Methods/Approaches for Mobile User Interfaces
- Ethical Implications of Mobile Evaluations
- Field-Based Evaluations
- Gestural Interaction Techniques for Mobile Technologies
- Graphical Interaction Techniques for Mobile Technologies
- Issues of Heterogeneity of Mobile Device Interfaces
- Lab-Based Evaluations and Evaluation Techniques
- Mobile Advanced Training Application Design, Evaluation, and Use
- Mobile Assistive Technologies Design, Evaluation, and Use
- Mobile Commerce Application Design, Evaluation, and Use

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Joanna Lumsden (PhD) is a lecturer/researcher in the School of Engineering & Applied Sciences at Aston University (Birmingham, UK). Prior to moving to Aston in 2009, Joanna was a researcher with the National Research Council of Canada (NRC) and the designer and lab manager for a state-of-the-art mobile human computer interaction (HCI) evaluation lab within the NRC facility. Joanna is also an adjunct professor with the Faculty of Computer Science at the University of New Brunswick (Canada). She obtained her BSc in software engineering (Hons) from the University of Glasgow (Scotland, 1996), where she also later achieved her PhD in HCI in 2001. Her research interests and expertise are mainly in mobile HCI and associated evaluation techniques. She has served on program committees for several international HCI/general computer science conferences and was also editor of the *Handbook of Research on User Interface Design and Evaluation for Mobile Technology*.



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