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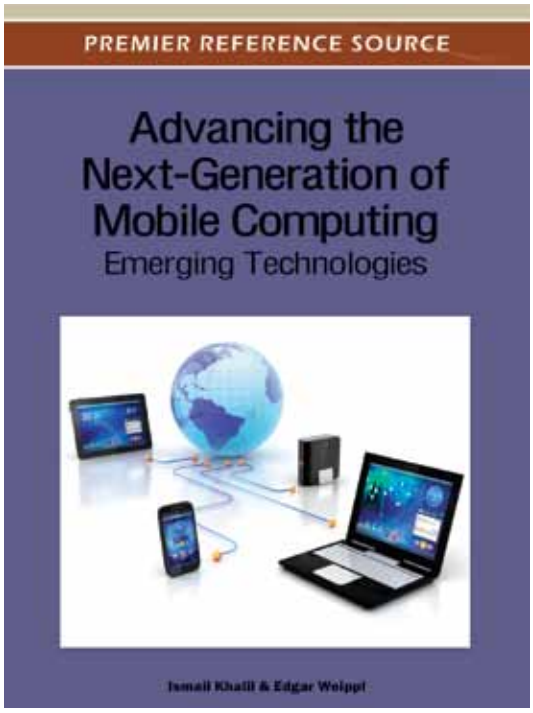
Advancing the Next-Generation of Mobile Computing: Emerging Technologies



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The growth of mobile technology has caused considerable changes in the way we interact with one another within both personal and business environments. Advancements in mobile computing and mobile multimedia resonate with engineers, strategists, developers, and managers while also determining the behavior and interaction of end users.

Advancing the Next-Generation of Mobile Computing: Emerging Technologies offers historical perspectives on mobile computing, as well as new frameworks and methodologies for mobile networks, intelligent mobile applications, and mobile computing applications. This collection of research aims to inform researchers, designers, and users of mobile technology and promote awareness of new trends and tools in this growing field of study.

Topics Covered:

- Intelligent Mobile Advertising
- IP-Based Mobile Networks
- Mobile Clients
- Mobile Computing Applications
- Mobility Management Schemes
- Multimedia Streaming
- Routing Protocols
- Security Management for Mobile Ad Hoc Networks
- WiMAX Systems
- Wireless Sensor Networks

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Ismail Khalil (http://www.iiwas.org/ismail/) is a senior researcher and lecturer at the institute of telecooperation, Johanes Kepler University Linz, Austria, since October 2002. He is the president of the international organization of Information Integration and Web-based Applications & Services (@WAS). He holds a PhD in computer engineering and received his habilitation degree in applied computer science on his work on agents' interaction in ubiquitous environments in May 2008. He currently teaches, consults, and conducts research in Mobile Multimedia, Cloud Computing, Agent Technologies, and the Semantic Web and is also interested in the broader business, social, and policy implications associated with the emerging information technologies. Before joining Johannes Kepler University of Linz, he was a research fellow at the Intelligent Systems Group at Utrecht University, Netherlands from 2001-2002 and the project manager of AgenCom project at the Software Competence Center Hagenberg - Austria from 2000-2001. Dr. Khalil has authored around 100 scientific publications, books, and book chapters. He is the editor of the *Handbook of Research on Mobile Multimedia* series, the book *Mobile Multimedia: Communication Engineering Perspective*, the book *Multimedia Transcoding in Mobile and Wireless Networks*, the book *Innovations in Mobile Multimedia Communications and Applications: New Technologies* and the book *Advancing the Next-Generation of Mobile Computing: Emerging Technologies*. He serves as the Editor-in-Chief of the *International Journal on Web Information Systems* (IJWIS), *International Journal on Pervasive Computing and Communication* (IJPCC) both published by Emerald Group publishing, UK, *Journal of Mobile Multimedia* (JMM) published by Rinton Press, USA, *International Journal of Mobile Computing and Multimedia Communication* (IJMCMC) published by IGI Global, USA, *Advances in Next Generation Mobile Multimedia* book series published by IGI Global, USA, and *Atlantis Ambient and Pervasive Intelligence* book series published by Atlantis and Springer. He is on the editorial board of several international journals. His work has been published and presented at various conferences and workshops.

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