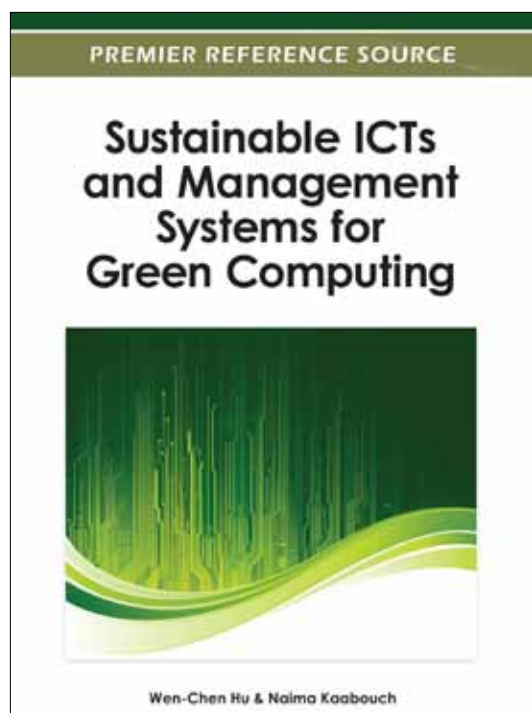


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Sustainable ICTs and Management Systems for Green Computing



Wen-Chen Hu (University of North Dakota, USA) &
Naima Kaabouch (University of North Dakota, USA)

One way to reduce the greenhouse gas from IT is green computing, which is the practice of designing, manufacturing, using, and disposing of computers, servers, and associated subsystems for reducing the use of hazardous materials, maximizing energy efficiency, and promoting the recyclability or biodegradability of products.

Sustainable ICTs and Management Systems for Green Computing focuses on information technology using sustainable green computing to reduce energy and resources used. While there are a wide variety of green computing topics, this book is a collection of IT articles using green computing techniques that will provide timely, important technologies and methods of green computing to IT workers, students, and researchers alike.

Topics Covered:

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- Energy Auto Tuning
- Energy-Aware Information Systems
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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.

Wen-Chen Hu received a BE, ME, MS, and PhD all in computer science, from the Tamkang University (Taiwan, 1984), the National Central University (Taiwan, 1986), the University of Iowa (Iowa City, USA, 1993), and the University of Florida (Gainesville, USA, 1998). He was an assistant professor in the Department of Computer Science and Software Engineering at the Auburn University (Alabama, USA) for several years. Currently, he is an associate professor in the Department of Computer Science at the University of North Dakota (Grand Forks, USA). He is the editor-in-chief of the *International Journal of Handheld Computing Research (IJHCR)* and an associate editor of the *Journal of Information Technology Research (JITR)*. Dr. Hu has participated on over ten editorial advisory/review board members of international journals/books and more than ten track/session chairs and program committee members of international conferences. He has also won awards for best papers, best reviewers, and community services. Dr. Hu has been teaching more than ten years at US universities, has taught over ten different computer/IT-related courses, and has advised more than fifty graduate students. He has published over seventy articles in refereed journals, conference proceedings, books, and encyclopedias, edited three books, and solely authored a book entitled *Internet-Enabled Handheld Devices, Computing, and Programming: Mobile Commerce and Personal Data Applications*. His current research interests include handheld computing, electronic and mobile commerce systems, Web technologies, and databases. He is a member of the IEEE Computer Society and ACM (Association for Computing Machinery).