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Mobile Health Solutions for Biomedical Applications



"This book provides an International perspective on the benefits of mobile health technology to illustrate different examples and applications implemented in the global healthcare sector."

- Phillip Olla, Madonna University, USA

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Health Information Systems; Human Aspects of Technology; Medical Technologies; Mobile/Wireless Computing; Web Technologies

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This essential publication will be a useful addition to all academic, research, and medical libraries, as well as all those interested in the most recent advances in healthcare technology. Medical professionals, healthcare administrators, physicians, nutritionists, and health information systems researchers will find that this reference contains invaluable research that will help them incorporate mobile health solutions into their clinical work to enhance patient care possibilities. Educators and students in a full range of medical and IT-related fields will also benefit.



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Joseph Tan, Wayne State University, USA

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Healthcare systems are now experiencing a variety of challenges with the integration of mobile and ubiquitous technology.

Mobile Health Solutions for Biomedical Applications provides an international perspective on the benefits of mobile health technology and describes different examples and applications implemented in global healthcare. This book presents research on the emergence of pervasive computing and health care systems that provide quality patient care services.

Mobile Health Solutions for Biomedical Applications Edited by: Phillip Olla, Madonna University, USA and Joseph Tan, Wayne State University, USA

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About the Editors: Phillip Olla is the endowed Phillips Chair of Management and Professor of MIS at the school of business at Madonna University in Michigan (USA), and he is also a Visiting Research Fellow at Brunel University (London, UK). His research interests include Knowledge Management, Mobile Telecommunications, and Health Informatics. In addition to University level teaching, Dr. Phillip Olla is also a Chartered Engineer and has over 10 years experience as an independent consultant and has worked in the telecommunications, space, financial and healthcare sectors. He was contracted to perform a variety of roles including Chief Technical Architect, Program Manager, and Director. Dr. Olla is the Associate Editor for the Journal of Information Technology Research and the Software/Book Review Edi-tor for the International Journal of Healthcare Information Systems and Informatics, and is also a member of the Editorial Advisory & Review Board for the Journal of Knowledge Management Practice.Dr. Phillip Olla has a PhD in mobile telecommunications from Brunel University (UK), he is an accredited press member of the British Association of Journalism, a chartered IT professional with the British Computing Society and a member of the IEEE society.

Joseph Tan, Dip, BA, MS, PhD, holds a professional diploma in civil engineering from Singapore Polytechnic, an undergraduate degree in Mathematics and Computer Science from Wartburg College, IA, a Masters Degree in Industrial & Management Engineering from the University of Iowa, and a Ph.D. in Management Information Systems from the University of British Columbia (Canada). He has been a tenured Associate Professor, teaching in the Department of HealthCare & Epidemiology at UBC for many years prior to serving as Professor and Head of the Information System and Manufacturing department, School of Business, Wayne State University.

Joseph publishes widely in numerous computing, ergonomics, information systems, health informatics, health education, e-health and e-business journals and has served as guest editor and member of various journal editorial boards. He sits on key organizing commit-tees for local, national, and international meetings and conferences. Professor Tan's research, which has enjoyed significant support in the last several years from local, national and international funding agencies and other sources, has also been widely cited and applied across a number of major disciplines, including healthcare informatics and clinical decision support, health technology management research, human processing of graphical representations, ergonomics, health administration education, telehealth, mobile health, and e-health promotion programming.

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