Developments in Healthcare Information Systems and Technologies: Models and Methods

Joseph Tan (McMaster University, Canada)

The need for continual development and transformation of healthcare information systems is evident, though progress in this arena is often met with a significant number of challenges.

Developments in Healthcare Information Systems and Technologies: Models and Methods presents the latest research in healthcare information systems design, development, and deployment, benefiting researchers, practitioners, and students. Contributions investigate topics such as clinical education, electronic medical records, clinical decision support systems, and IT adoption in healthcare.

Topics Covered:
- Health service management
- Modeling of healthcare systems
- Open source software and e-health
- Patient-doctor profiling
- Ubiquitous healthcare systems
- Patient online discussions
- Public health programs
- Process thinking in healthcare
- Health IT futures
- Electronic medical records

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Joseph K. H. Tan, PhD, is the Wayne C. Fox Professor of E-Business Innovation & E-Health, McMaster University, Hamilton, Ontario, Canada. Previously, Dr. Tan had served as Professor and Head, Information System and Manufacturing (ISM) Department, Wayne State University and as Acting Chair of the Masters in Health Administration (MHA) Program, Department of Healthcare & Epidemiology, Faculty of Medicine, the University of British Columbia. Currently, as the Editor-in-Chief, the International Journal of Healthcare Information Systems & Informatics (IJHISI), Professor Tan sits on various journal advisory and editorial boards as well as on numerous organizing committees for local, national and international meetings and conferences. Professor Tan is well published and his research, which has enjoyed significant support in the last 21 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 health care 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. His hobbies include writing and editing books, book chapters and journal articles; working on collaborative grant projects; engaging in philosophical discussions with colleagues and peers; and reading his son’s work.
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