About the Contributors

**Mowafa Househ** is an Assistant Professor and former Research Director at the College of Public Health and Health Informatics, King Saud bin Abdulaziz University for Health Sciences, National Guard Health Affairs, Riyadh, Kingdom of Saudi Arabia. Dr. Househ is also an adjunct professor at the University of Victoria, School of Health Information Science, BC, Canada and is the editor-in-chief of the *Journal of Health Informatics in Developing Countries*. Dr. Househ’s primary research interests are on the use of information and communication technologies to empower patients and clinicians. His doctoral work focused on the empowerment of pharmacists, physicians, and academics in the use of collaborative technologies to facilitate knowledge translation research. His current work revolves on empowering patients through the use of social media, mobile health, and personal health records. Dr. Househ is a respected and published author within health informatics community. He has published in leading health informatics journals such as the *International Journal of Medical Informatics*, *The Yearbook of Medical Informatics*, and *Applied Clinical Informatics*.

**Elizabeth Borycki**, RN, PhD, is an Associate Professor in the School of Health Information Science and an Adjunct in Nursing at the University of Victoria. Elizabeth is a health informatics expert who conducts research in the areas of clinical informatics, patient safety, quality improvement, and organizational behaviour and change management involving Health Information Technology (HIT). Elizabeth employs qualitative, quantitative, and mixed methods approaches in her study of the effects of HIT upon patients, caregivers, and clinicians (e.g. physicians, nurses). She has represented Canada (as academic representative) and North America (member of the board of directors) to the International Medical Informatics Association, and her work is known internationally.

**Andre Kushniruk** is a Professor at the School of Health Information Science at the University of Victoria in Canada. Dr. Kushniruk conducts research in a number of areas including evaluation of the effects of technology, human-computer interaction in healthcare and other domains, as well as cognitive science. His work is known internationally, and he has published widely in the area of health informatics. Dr. Kushniruk has held academic positions at a number of Canadian universities and worked with major hospitals in both Canada, the United States, and internationally. He holds undergraduate degrees in Psychology and Biology, as well as a MSc in Computer Science from McMaster University and a PhD in Cognitive Psychology from McGill University.

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Haitham Alali is a chief knowledge officer in Balqa Health Directorate at Ministry of Health/Hashemite Kingdom of Jordan. He received his Doctorate in MIS from the Universiti Kebangsaan Malaysia (UKM), Department of Systems Science and Management, Faculty of Information Science and Technology, and holds an MMIS from the University of Banking and Financial Sciences. Prior to getting his doctorate, he had worked in healthcare services and management for nine years. His research interests include knowledge management in healthcare sector, development of virtual communities of practice, strategic human resource management of healthcare professionals, medical informatics, and collaborative systems.

Urs-Vito Albrecht is Deputy Director of the Peter L. Reichertz Institute for Medical Informatics of Braunschweig Technical University and Hannover Medical School in Hannover and Principal Investigator for mHealth at this facility. He leads the multidisciplinary research group PLRI MedAppLab that is focused on research questions on ethical, legal, and technical aspects of using smart devices and apps in the medical field. Urs is a physician by profession who gained his work experience in several medical disciplines ranging from Emergency Medicine to Forensic Medicine. He holds a doctorate in Medicine and a degree in Public Health with focus on Public Health Ethics and Epidemiology. Urs is Secretary of the Institutional Review Board at Hannover Medical School and a coeditor of several medical informatics journals with the scope encompassing mHealth.

Shilo Anders, PhD, has conducted research and specialized training in human factors engineering and health services research and applied these principles to medical and military contexts. Her research has explored the needs, adaptations, and interactions in systems as the environment and tools evolve, specifically medical informatics. She conducted research in user interface design and evaluation, patient safety, coordination, and decision making during her academic career and has continued this line of research in the private sector. Dr. Anders is a human factors engineer at Applied Research Associates. Prior to her current position, she was a National Library of Medicine postdoctoral fellow and assistant professor in Vanderbilt University’s Departments of Biomedical Informatics and Anesthesiology and part of the Center for Research and Innovation in System Safety (CRISS).

Sharazade (Shari) Balouchi is an undergraduate student at Sewanee: The University of the South in Tennessee, where she pursues an International and Global Studies degree with minors in Economics and in Physics/Astronomy. Shari has worked with InfoClin as an undergraduate intern for 2 years, during which time she has created an e-marketing campaign, developed software architecture, and managed data for the company. She also designed an electronic poster entitled Creating Infrastructure and Evaluating the Market for Patient eTools in Healthcare for the eHealth 2013 Conference on Accelerating Change. As a student of international studies, she is passionate about communicating global issues such as health, energy, and promoting crosscultural understanding. She recently studied in Africa focusing on alternative energy physics and taking up another language. In her spare moments, Shari is an enthusiastic science writer and served as an editorial intern in 2013 for the astronomical magazine Sky & Telescope.

Tridib Bandyopadhyay is an Associate Professor and Program Director of Information Systems at Coles College of Business in Kennesaw State University. He is also a continuing Faculty Research Associate of The KSU Center for Information Security Education. He earned his PhD in MIS from
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The University of Texas at Dallas. He teaches both undergrad and grad course in Systems Analysis and Design, Information Security, Emerging Technologies and Innovations in the BSIS, BSISA, and MSIS programs of Kennesaw State University. Dr. Bandyopadhyay’s research interests include Information Security and Assurance, Cyber Insurance, Cyber Terrorism, and ICT in Development including health issues. Dr. Bandy welcomes collaborative research and has worked with professors and students from universities in US and Africa. His research works have been published in peer-reviewed journals like ISF, CACM, ITM, IJICTE, and also in the proceedings of national and international conferences. Before coming to academics, he worked as a Manager (Planning and Systems) in the Energy Sector.

Jeff Barnett joined the BC Cancer Agency in 1982. Initially, he was a clinical pharmacist and Director of Pharmacy at the Vancouver Island Cancer Centre. In 2007, he completed a Master’s of Science in Health Informatics at the University of Victoria and became the Director of Clinical Informatics for the BC Cancer Agency. He was involved in a number of informatics projects and worked on a variety of clinical systems. Jeff recently retired from the BC Cancer Agency but continues to be active in research and teaching in clinical informatics. He is an adjunct assistant professor in the School of Health Information Science at the University of Victoria and an instructor in the Masters of Health Administration, School of Population and Public Health at the University of British Columbia.

Tshepo Batane is a Senior Lecturer in the Department of Educational Technology at the University of Botswana. She received her PhD in Curriculum and Instruction with specialization in Instructional Technology from Ohio University in the United States in June 2002. Dr. Batane is currently Head of the Department of Educational Technology and teaches courses in technology application to learning. Her research interests are centered around exploring innovative ways of utilizing technology to improve different aspects of life. This has included integration of technology into the curriculum, preparing teachers to use technology in their classrooms, and utilization of technology to improve healthcare. Currently, Dr. Batane is working on research that explores the applicability of Activity Theory frameworks to improve technology adoption in various contexts.

Lau Tiu Chung completed his Master of Science by research at Swinburne University of Technology in 2013. Prior to his Master degree, he completed a Bachelor degree in Business Information System from the same University in 2009. His research interest includes environmental health data mining and knowledge discovery and develops applications to improve the public health. He has published various articles in peer-reviewed journals, book chapters, and conference papers.

Elisabetta Cioni (PhD) is full professor of Sociology of Culture and Communication at the Department of Political Sciences, Communication Sciences and Information Engineering (University of Sassari, Italy). She teaches “Strategy of Public Communication,” “Public Communication,” and “Communication and Organization.” Among her research interests are public communication, health communication, sociology of family, and new forms of participation enabled by digital technologies. Her research approach prefers mixed-methods, by integrating qualitative instruments, in particular in-depth interview and participant observation, with the secondary analysis of quantitative data.
Elizabeth Cummings, RN, RM, BA, BIS(Hons), PhD, is currently a Senior Lecturer and Graduate Research Coordinator in the School of Health Sciences (Nursing), and coordinator of the University of Tasmania eHealth Research Centre, at the University of Tasmania. She is a registered Nurse and Midwife with 35 years experience in the health sector including acute and primary care, administration, and education. She has significant experience in ehealth implementation and evaluation and has worked in the area of health informatics for over 12 years. She has significant experience in a diverse range of research relating to ICTs in health and ageing, patient-centred chronic disease self-management, and the use of qualitative methods for evaluation of health information systems. She has been involved in a European Commission-funded project on ICT and ageing.

Kerstin Denecke is scientific director of the Digital Patient Modeling group at ICCAS at the Medical Faculty of the University of Leipzig. Dr. Denecke holds a Diploma in Computer Science and was awarded a Doctoral degree in Computer Science by the Technical University of Braunschweig. Before she joined the University of Leipzig, she worked as a researcher at L3S research center and as a software architect at an IT company providing software for hospitals. She coordinated several research projects, among others the EU-funded project M-Eco: Medical Ecosystem on event-driven surveillance of infectious diseases and was involved in the EU Projects Terence and LivingKnowledge. Her main research interests are natural language processing and text and data mining. The specific areas she has been working on include medical language processing, information extraction, sentiment analysis, and text classification. She has published a number of research papers in several international conferences and journals.

Judith W. Dexheimer, PhD, is a Research Assistant Professor in the divisions of Emergency Medicine and Biomedical Informatics at Cincinnati Children’s Medical Center. Judith is an informatics expert who conducts research in clinical decision support, computerized applications for emergency medicine, and evidence-based medicine. She has a background in developing and implementing clinical informatics applications including organizational and workflow aspects of integration and development, emergency medicine, guideline integration and implementation, and evidence-based medicine.

Leonie Ellis, B Com, BComp(Hons), PhD, is currently a Senior Lecturer and Graduate Research Coordinator in the School of Engineering and ICT at the University of Tasmania. She is a qualitative researcher and is a member of the eHealth Research Methods Group within the school with a special interest in Social Media and eHealth. She has experience in a diverse range of research relating to eHealth, Social Media, and ICT in Education. Her PhD investigated the implementation of technology in a paramilitary organisation.

Ute von Jan received her computer science diploma in 1997 from the University of Hildesheim and started working at the Medical Computing Center of Hannover Medical School. In 2000, she transferred to the Institute of Medical Informatics, which later merged with the Institute of Medical Informatics at the University of Braunschweig under the name of “Peter L. Reichertz Institute for Medical Informatics.” Until a few years ago, she specialized in medical image processing, and in 2007, she finished her doctoral thesis in this area. Currently, she is a member of the PLRI MedAppLab research group that concentrates on ethical, legal, and technical issues of using mobile smartdevices in the medical field.
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**Karim Keshavjee** is a family physician with a part-time practice in Ontario Canada. Karim has over 20 years of experience with designing, developing, researching, and implementing electronic medical records. He has consulted with many organizations and has presented on EMRs at national and international conferences. Karim has designed and implemented several clinical decision support tools in primary care and is particularly interested in how technology can better support the patient-physician interaction. Karim is an Associate Member of the Centre for Evaluation of Medicines at McMaster University and an Adjunct Assistant Professor at the University of Victoria.

**Alessandro Lovari** (Ph.D) is an assistant professor of Sociology of Culture and Communication at the University of Sassari’s Department of Political Sciences, Sciences of Communication, and Information Engineering, where he teaches Corporate Communication and Social Media for Public Administrations. He has been a visiting scholar at the Department of Communication at Purdue University (USA). His main research interests are public communication, public relations, and the relationships between institutions, media, and citizens. He also studies the characteristics of Web 2.0 and social media and their impact on healthcare organizations, and on citizens’ behaviors.

**Carey Mather**, RN, BSc, PGrad Dip Hlth Prom, GradCert ULT, GradCert Creative Media Tech, MPH, is a lecturer and PhD candidate in the School of Health Sciences (Nursing) at the University of Tasmania. Carey has worked in the health sector for 28 years in various capacities and settings including the acute, palliative, health promotion, and community environments. During 2010, as part of her role as the Teaching Fellow, Emerging Technologies, she investigated innovative technologies including e-portfolios to facilitate the learning and teaching of undergraduate students. Recently, she has been involved with facilitating high quality work integrated learning experiences for students. Part of this work has focused on the needs of clinical supervisors and the development of salient mobile learning strategies to support them in their role.

**Ramona McNeal** is an associate professor in the Department of Political Science at the University of Northern Iowa. Her chief research interest is the impact of technology on participation, including its relationship to voting, elections, and public opinion. She also studies e-government, campaign finance reform, telehealth and telecommunication policy. She has published work in a number of journals including the *Journal of Information Technology & Politics*, *Social Science Quarterly*, *Political Research Quarterly*, *Government Information Quarterly*, and *Telemedicine and E-Health*. She is a co-author of *Digital Citizenship: The Internet, Society and Participation* (MIT Press, 2007) with Karen Mossberger and Caroline Tolbert.

**Helen Monkman** is a PhD Candidate at the School of Health Information Science at the University of Victoria in Canada. She earned her BSc and MA in Psychology from Carleton University. Helen has a passion for research in consumer health informatics. She is an advocate for the importance of design in lowering demands on health literacy and optimizing usability in systems for laypeople. Helen has collaborated on a wide range of projects with various Canadian health organizations. These projects have included research on and evaluation of public health information systems, personal health records, electronic medication reconciliation, and human aspects of system interoperability.
Chris Paton is a researcher at the University of Oxford and is the founder of New Media Medicine Ltd., a digital health company that develops Massive Open Online Courses (MOOCs), e-learning, mHealth, and social media projects for the healthcare industry. He trained as a medical doctor in the UK and has worked for the NHS, Cambridge University, and Oxford University in clinical and academic roles. He has also spent several years in New Zealand working as a Senior Research Fellow for the National Institute for Health Innovation at the University of Auckland where he earned his Executive MBA.

Oliver Pramann is an attorney at law specialized in medical law, namely in pharmaceutical law and law concerning medical devices within the context of clinical trial regulation. Since 2008, Oliver Pramann has been working in this field as a fully qualified lawyer. He earned his doctorate in 2006 with a legal dissertation about publication policies in clinical study agreements. Before then, he was educated at the Georg August University in Göttingen and worked at the local Centre for Medical Law. As a consultant of the PLRI MedAppLab research group that concentrates on ethical, legal, and technical issues of using mobile smart devices in the medical field, he associates his interests in law concerning medical informatics and his experiences as a lawyer in the fields he is specialized in.

Shaina Reid is a passionate healthcare information technology Professional and Project Manager with over 10 years of experience in clinical informatics. Currently, Shaina represents IMITS as the Senior Manager of Clinical and Systems Transformation Project, aiming to transform care delivery and clinical information systems across Provincial Health Services Authority, Vancouver Coastal Health Authority, and Providence Health Care in BC. Additionally, she is responsible for oversight on various other related clinical information system projects across PHSA. Specializing in project planning, workflow analysis, requirements gathering, system design, clinician engagement, and change management, Shaina has successfully led and managed large-scale clinical information systems and technology projects across British Columbia, Canada, and the United States.

Juhana Salim is a professor at the Faculty of Information Science and Technology, PhD (Information Science – Universiti Kebangsaan Malaysia), Masters of Science in Librarianship (Western Michigan University, Kalamazoo), Bachelor of Arts (Western Michigan University, Kalamazoo). Her research interests include strategic information system, knowledge technology, and information science.

Mary Schmeida, PhD, has served as a researcher for several organizations in the United States and is also affiliated with Kent State University, USA. She holds a doctoral degree in Political Science, Public Policy. Her research areas of expertise are information technology and mobile health, telehealth, social and welfare policy in the U.S., healthcare reform policy, mental health policy, and rural health disparities. Her research has been published in scholarly books and journals and presented to national and international professional audiences.

Lee Seldon currently teaches near the Straits of Malacca in West Malaysia. Before that, he worked in Sarawak on the northwest edge of Borneo. Before that, he was a Senior Lecturer (for Health Informatics) at Monash University’s Frankston campus in Australia. Before that, he worked as a telemedicine consultant for a company in Melbourne. Before that, he was a Senior Research Fellow associated with the
Australian Bionic Ear Institute. Before that, he was an ENT resident at University Hospital in Cologne, Germany. Before that, he was a student of medicine, a postgrad student of biology, an undergraduate student of physics in, respectively, Cologne, West Berlin, and Cambridge, Massachusetts.

Lau Bee Theng completed her PhD in 2006. Presently, she is a senior lecturer and ICT program coordinator at Faculty of Engineering, Computing, and Science, Swinburne University of Technology, Sarawak Campus. Her research interest is mainly on assistive technologies utilizing ICT for the special people. She has published more than 60 articles in peer-reviewed journals, book chapters, and conference papers. She has successfully supervised postgraduate students to completion and coordinated a few research projects on assistive technologies for special children, injury recognition and activity monitoring using multi depth sensors, wireless, and Bluetooth devices, and brain interfaced human-computer interaction.

Eh Eh Tin is a student at the University of Tasmania, Australia. He studied Information Systems and received his BA (Hons) from University of Tasmania. His special interests include systems analysis, business analysis, data management, information security, health informatics, and consulting business professionals on how to design and implement information systems. His previous research was on transforming paper tools into electronic in aged care policy setting. Mr. Tin moved to Australia with his wife and son as refugees in 2008. He was born in a small village called Kawh Pawn in Myanmar, and he spent many years fleeing from civil war. His education was interrupted as he often had to hide in the jungles during Myanmar’s civil war. When was asked how he feels to be in Australia, he said, “God blessed me so much by bringing me to Australia, which I consider a paradise.” He is an IT consultant for a small legal firm in Tasmania and also teaches computer basics to refugees from Myanmar.

Jastinder Toor has over eight years of Project Management experience through a variety of jobs in multiple sectors. She has a Bachelor of Technology from Ryerson University and a Diploma in Health Informatics from Centennial College. She is currently looking to make her mark in the health informatics field. She is passionate about improving quality of care and empowering patients to take charge of their own health.

Paul Turner, PhD, MSc, BA(Hons), MACS, is currently A/Professor and Research Coordinator (ICT Disciplines) in the School of Engineering and ICT at the University of Tasmania. He is Director, eHealth Services Research group and eLogistics Research group at the University of Tasmania. He has published more than 175 peer-reviewed papers, obtained more than $7.5m research funding, and supervised to graduation 15 PhDs in the last 10 years. In the domain of eHealth, he has a focus on human-centred systems, quality and safety systems, and the development, implementation, and evaluation of health information systems across primary and acute care.

Karim Vassanji is an experienced health professional with a special interest in process design and clinical architecture. His clinical background as a dentist both in the United Kingdom and Portugal has provided him with the necessary skills to understand information requirements in healthcare settings, and the ability to integrate information technologies for the betterment of the care provided. Karim holds a post-graduate diploma in Health Services Management and is currently pursuing a Masters in eHealth
John Waldron is a health informatics professional with broad experience in both public and private-sector healthcare organizations. John’s focus has been on clinical system requirements, design, development, and integration, most recently as the Director of Enterprise Architecture and Security for a large health service provider. John strives to bridge the gap between the business of healthcare and the technologies needed to deliver on those objectives.

Jonn Wu joined the BC Cancer Agency in 1999 and is a radiation oncologist at the Vancouver Cancer Centre. His research interests include developing a provincial platform to support population-based oncology outcomes research (OaSIS), as well as developing novel computerized radiotherapy planning and delivery systems. He is the Provincial H&N Tumour Group Chair and the Chief Medical Information Officer for the BC Cancer Agency.

Bahman E. Zadeh is a Graduate Research Assistant in the Department of Information Systems at Kennesaw State University. In 2009, he earned his Bachelor of Science Degree in Computer Science with minor in Information Systems from Kennesaw State University. He also was awarded a Master of Science in Information Systems from Kennesaw State University in 2012. He currently is working as a software developer focusing on distributed computer systems in Atlanta area. Mr. Zadeh’s main research interest lies with the design and implementation of image processing in healthcare and adoption of mobile technology for healthcare delivery. As a result of his existing research work, he was petitioned by Well Star Health Group for a research project, which he is currently working on.

Ahmad M Zbib MD, CPHIMS-CA, is a non-practicing physician and entrepreneur, passionate about putting technology to meaningful use in healthcare. Ahmad is a digital health strategist leading Canada’s longest running consumer ehealth program within a non-profit organization. He currently is responsible for a suite of evidence-informed online health behaviour change tools and disease management portals. Ahmad’s expertise is unique, combining a medical education with professional certification in healthcare information management. He is considered one of Canada’s thought leaders in digital health matters including mobile health solutions.