About the Contributors

Jane Moon is an honorary associate with RMIT, teaches hematology, health informatics and laboratory management to both undergraduate and post graduate students. She also works as a medical laboratory scientist at the Austin Health, a teaching hospital to the University of Melbourne. She has a diverse background of immunology, linguistics, and an international MBA. She has a degree in medical science (Immunology), and a Master of Arts (linguistics) from the University of Melbourne; graduate diploma in education, health administration and business studies and a MBA from LaTrobe University; as well as a graduate certificate in European business studies from ESC-Rouen, France, and a postgraduate diploma in immunology, and a graduate diploma in computer science, Master of Information Management Systems from Monash University, Australia. She is a member of the Australian Institute of Medical Science. She is a PhD candidate at the Department of Medicine, University of Melbourne; her project involves “developing a conceptual model for patients’ with chronic diseases for a better health outcome”. She has a keen interest in health informatics, impact of ICT on health management and self-efficacy.

Mary Galea, BAppSc (Physio), BA, PhD, is Professorial Fellow in the Department of Medicine (Royal Melbourne Hospital) at the University of Melbourne. She was previously Foundation Professor of Clinical Physiotherapy at the University of Melbourne and Director of the Rehabilitation Sciences Research Centre at Austin Health. She is a physiotherapist and neuroscientist whose research program includes both laboratory-based and clinical projects with the overall theme of control of voluntary movement by the brain, and factors that promote recovery following nervous system damage. Most recently, she has been the lead investigator on a large multi-site program of research, SCIPA (Spinal Cord Injury and Physical Activity), investigating the effects of exercise after spinal cord injury from acute care to the community.

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Alain Abran holds a Ph.D. in Electrical and Computer Engineering (1994) from École Polytechnique de Montréal (Canada) and master degrees in Management Sciences (1974) and Electrical Engineering (1975) from University of Ottawa (Canada). He is a professor at the École de Technologie Supérieure (ETS) – Université du Québec (Montréal, Canada). He has over 20 years of experience in teaching in a university environment as well as more than 20 years of industry experience in information systems development and software engineering. His research interests include software productivity and estimation models, software engineering foundations, software quality, software functional size measurement, software risk management and software maintenance management. He has published over 400

Jalel Akaichi received his PhD. in Computer Sciences from the University of Sciences and Technologies of Lille (France) in 1996 and then his University Habilitation Diploma from the University of Tunis (Tunisia) in 2008. He is currently a Full Professor and the Chair of the Master Science of Business Intelligence in the Computer Sciences Department. Jalel Akaichi has published in international journals, edited book chapters and conferences, presented various tutorials, and have served on the program committees of several international conferences and journals. He visited and taught in many institutions such as the State University of New York, Worcester Polytechnic Institute, INSA-Lyon, University of Blaise Pascal, University of Lille 1, University of Toulouse 1, University of Aix-Marseille, etc.

Hong-Jie Dai is an assistant professor at the Department of Computer Science and Information Engineering, National Taitung University, and an adjunct professor at Graduate Institute of Biomedical Informatics, Taipei Medical University. He received his Ph.D. degree in Computer Science from National Tsing-Hua University. His research interests focus on text mining, natural language processing, bioinformatics and software engineering. Dr. Dai achieved great success in several international academic competitions under the advice of Prof. Wen-Lian Hsu. In 2006, his team won the first place of the Chinese word segmentation task in SIGHAN. In 2009, his team won the interactor normalization task in the BioCreative workshop held by CNIO, Spain. He got the Ph.D. dissertation award for the association for computational linguistics and Chinese language processing in 2012. Until now, he has published several papers in top SCI-indexed journals. His papers have been accepted by leading artificial intelligence or natural language processing conferences such as IJCAI, COLING, and IJCNLP.

Reece George is an urban Aboriginal man, a descendant of the Martu people, from the Pilbara region of North Western Australia. Dr. George received his Ph.D in Information Technology from the University of Newcastle in 2012. Reece’s research interests currently focus on using mobile persuasive technology to improve the health outcomes of Indigenous Australians.

Janelle Guerrero recently completed her undergraduate degree in Medical Laboratory Science. Currently, she is a multidisciplinary scientist for a small hospital stat lab in Cleveland, Queensland.

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About the Contributors

internationally. He is currently researching into HIV/AIDS, Cancer and environmental health related diseases in sub Saharan Africa. He is also a Member of British Computer Society, Nigerian Computer Society, International Geospatial Society and, International Federation of Information Processing WG 9.4. His research interest includes Health Informatics, Data Modelling, Software Engineering, Geographical Information System, and Informatics. He is blessed with two Research Associates; Praise and Vicky. He enjoys reading and driving.

Jitendra Jonnagaddala is Senior Informatics Specialist with Translational Cancer Research Network(TCRN) at University of New South Wales(UNSW), Sydney, Australia. He is currently working on an integrated translational bioinformatics platform for the TCRN. Before joining UNSW he worked in Singapore for Singapore Health Services and Duke-NUS Graduate Medical School, where he was primarily responsible for developing informatics capabilities to enable translational research. His research interests are in translational bioinformatics, data mining and text mining.

Sia-Weng Liaw is Professor of General Practice at UNSW Medicine Australia and Director of the South Western Sydney Local Health District Academic General Practice as Fairfield Hospital, where he sees patients and teach registrars and students. He is an internationally recognised general practice and health informatics educator and researcher. He sits on a number of state and commonwealth government and NGO committees to do with primary care and informatics.

Ronald Ma graduated with Bachelor of Medicine and Bachelor of Surgery, and Post-graduate Diploma and Master of Public Health with First Class Honours from The University of Auckland in 2004 following which he graduated with his Doctor of Philosophy studies at the School of Population Health.

Hoda Moghimi is a data analyst professional with experience in different industries over the past 10 years, working closely with various participants to address their analytical requirements & issues as well as developing new prototypes. Her major research and technology interests are including data analytics, predictive modelling & data visualization. She also has over 30 peer-reviewed scholarly publications in Informatics contexts.

Ronnel Nallas is Medical Laboratory Scientist at Austin Health. He has an undergraduate degree in Bachelor of Medical Sciences from the University of Technology, Sydney. His discipline is within the clinical chemistry laboratory. He has an appreciation for diagnostic analysers and has completed numerous key operator and advanced troubleshooting training from different diagnostic companies and is a key operator for the total laboratory automated system at Austin Health. Being mentored and collaborating with senior scientists is training to develop skills and aptitude as a quality control officer. He is an associate member of the Australian Association of Clinical Biochemists AACB and participates in scientific meetings with the intention to achieve membership.

Hamzah Osop pursued his undergraduate degree at National University of Singapore with a Bachelor of Computing in Technology. After graduating in 2002, he cofounded and was director of an IT start-up that developed personalisation tools for document retrieval, among those, an intelligent information retrieval system for medical research intensive communities. He was later appointed as a Senior System Engineer at IHiS Pte Ltd before being attached to Changi General Hospital, Singapore as a Senior
About the Contributors

System Analyst. His professional experience includes management and support of clinical systems, in particular Electronic Health Record systems, and the development of applications in the healthcare domain. The knowledge and experience in managing clinical systems sparked his research interest into Electronic Health Records, application of clinical systems and the application of the theory of Practice-Based Evidence approach. He later received a Master of Science in Information Systems from Nanyang Technological University, Singapore.

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**V. Rastogi** is Head in Department of Anesthesiology, IMS-BHU (India). He has a vast experience and knowledge in the relevant field i.e., Pain Assessment. He has published many research papers in both National and International journals of repute.

**Pradeep Ray** is the Director of the WHO Collaborating Centre on eHealth at the University of New South Wales, Australia. He is the founder of the Asia-Pacific ubiquitous Healthcare Research Centre (APuHC) aimed at conducting research on the development and evaluation of ubiquitous healthcare using emerging technologies, such as the mobile broadband communication technologies. He is led to completion several global initiatives, such as the the WHO Research on the Assessment of e-Health for Health Care Delivery (eHCD) involving a number of countries in the Asia-Pacific region (India, China, Vietnam and Philippines), ITU-D/IEEE Mobile eHealth Initiative for Developing Countries and the Global Longitudinal Study on the Assessment of mHealth (healthcare using mobile phones). APuHC has been involved in several international initiatives on the application of mHealth for disaster management, such as in Indonesia, Sri Lanka, Bangladesh, PNG and India. Pradeep Ray was the Chair of the IEEE Technical Committee on eHealth (eHealthTC) and the founder of IEEE Healthcom that is now the forum of discussions for the IEEE/ITU-D/WHO initiatives on e-Health and m-Health.

**Richard N. Royle** is Executive Director of UnitingCare Health, a 1000 bed 4 private hospital group. President of the Australian Private Hospitals Association. Masters in Health Administration. Adjunct Associate Professor, Queensland University of Technology.

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Jonathan L. Schaffer, MD, MBA, is managing director of eClevelandClinic in the Information Technology Division and of the Distance Health team in Medical Operations at Cleveland Clinic. He leads Cleveland Clinic’s My-Consult program, an online second medical opinion program that is used by consumers and corporations world-wide to provide access to care while removing the geographic barriers. He also leads the DrConnect series of portals which securely connect referring physicians and facilities to their patient’s care at Cleveland Clinic. An active board certified joint replacement surgeon, Dr. Schaffer is also a staff member in the Center for Joint Replacement in the Orthopaedic and Rheumatologic Institute where he is the physician champion on the ICD-10 transition and leads the Advanced Operative Technology Group, developing novel technologies for the arthroplasty patient population including the physical and technology upgrading of the operating rooms. Dr. Schaffer has participated in numerous healthcare software development projects and ventures from clinical applications to supply chain management systems. He has served on medical industry and venture capital advisory boards and has participated in a number of successful medically related start-ups. Dr. Schaffer is a graduate of Haverford College and Case Western Reserve University School of Medicine in Cleveland. He completed his residency in orthopaedic surgery at the University of Pennsylvania and a fellowship in adult reconstruction at the Brigham and Women’s Hospital and Harvard Medical School in Boston and a re-search fellowship at Children’s Hospital of Boston and Harvard Medical School. Dr. Schaffer also holds a MBA from the Kellogg Graduate School of Management at Northwestern University.

Steven H. Shaha is a recognised expert in outcomes researcher and healthcare IT with 30+ years consulting, lecturing and speaking within many economies and healthcare delivery models. He has advised 200+ healthcare organisations, and 11 governments on 4 continents. He has also served a range of top non-healthcare organisations, including Disney, Ritz-Carlton, IBM, AT&T, Coca-Cola, Time Warner, and NewLine Cinema. Prof. Shaha has 350+ conference presentations, 125+ peer-reviewed publications, three books and three chapters in 2015. He was Research Director for KLAS Research, the Gartner Group, and Intermountain Health Care. He co-authored the Malcom Baldrige Award. Recently he was awarded the Don Walker Award for Australia and two invited United Nations presentations. Prof. Shaha holds two Masters degrees, and Doctorates in Research Methods and Applied Statistics, and Business Administration. He has lectured/lectures at many universities including Harvard, Cambridge (UK), UCLA, Princeton, Cornell, Columbia and Zayed (UAE).

Michael J. Simmonds’s work focuses on the blood rheological adaptations during exercise and how these adaptations may be altered in metabolic diseases. He is establishing an international research profile in exercise and blood rheology. Dr Simmonds received a Young Investigator Award at the International Congress on Biorheology, Istanbul, 2012, and currently serves the Executive Board of the International Society for Clinical Hemorheology. Dr Simmonds enjoys training young scientists and is actively developing new techniques for measuring and observing blood rheology.

Indu Singh has more than 30 years of experience as practicing medical scientist and on job trainer in Clinical Laboratories in Hong Kong and Australia with last 15 years of formal academic research and teaching at both undergraduate and post graduate level in Australian Universities. She is currently
About the Contributors

program director of Medical Laboratory Science at Griffith University and committee member of Australian Institute of Medical Scientists, Australian representative of the Advocacy group for the Institute of Biomedical Sciences UK and was consultative committee member of the Health Workforce Australia in formulating and validating the National Clinical Supervision Competency Framework Project. She reviews multiple scientific journals as editorial board member and the proposals for New Zealand Governments Ministry of Business, Innovation and Employment Science Investment grants. She is a member of the Griffith IPL Steering Committee member and an active scholar who received OLT and L&T grants for the development of a Virtual teaching techniques library for the improvement of laboratory education and virtual pathology service for medical and health science students. Her research focus is prevention of cardiovascular diseases using natural dietary intervention particularly in population not responsive to common antiplatelet therapy, Aspirin.

S. K. Singh is an Associate Professor, in the Department of Computer Science and Engineering, Indian Institute of Technology, Banaras Hindu University, Varanasi, India. His area of Interest is, Biometrics, Pattern Classification, Image Processing & Video Processing. He has published many papers in International Journals.

Sanjay Kumar Singh received the M.Tech in Computer Science and Engineering degree from Uttar Pradesh Technical University, Lucknow, and is currently working toward the PhD degree in Computer Science and Engineering at Indian Institute of Technology, Banaras Hindu University, Varanasi (India). His research interests include computer vision, with a special focus on healthcare informatics, pain assessment, high-dimensional data visualization, and correlation analysis.

Nilmini Wickramasinghe has an internationally recognized research record in the area of healthcare and technology management. Her expertise is in the strategic application and management of technology for effecting superior healthcare solutions. Prof. Wickramasinghe currently has over 200 peer-reviewed scholarly publications and is the author of several books and an Encyclopedia in Healthcare and Technology. In addition, she is the Editor-in-Chief of two scholarly international peer-reviewed scholarly journals published by InderScience.Professor Wickramasinghe is the Director of health informatics at Epworth HealthCare and a professor of health informatics management at Deakin University.