About the Contributors

Tiko Iyamu holds a PhD in Information Systems. He is currently a Professor of Information Technology at Cape Peninsula University of Technology, Cape Town, South Africa. He was a Professor of Informatics Tshwane University of Technology. Thereafter, he was a Professor of Informatics, Chair of Health Informatics at the Namibia University of Science and Technology, Windhoek, Namibia. He also serves as a Professor Extraordinaire at the Department of Computer Science, University of the Western Cape, South Africa. In 2013 and 2014, he was a visiting professor at Flensburg University of Applied Sciences, Germany. Prior to his fulltime appointment in academic in 2009, Professor Iyamu held several positions in both Public and Private Institutions in South Africa. He was System Analyst and Technologist at both Nedcor Investment Bank and Metropolitan Life, respectively. He became the Chief Architect at the City of Cape Town in 1999. Thereafter, he joined Old Mutual as IT Architect, from 2001 to 2008. Iyamu’s last corporate experience was at a MWeb, as Head of IT Architecture & Governance. Iyamu is the author of books, such as Enterprise Architecture: From Concept to Practice (First and Second editions) and Application of Underpinning Theories in Information Systems. He has published widely, over seventy-four research articles in book chapters, journals and conference proceedings. Professor Iyamu is an Associate Editor of the International Journal of Actor-Network Theory and Technological Innovation (IJANTTI), USA.

Arthur Tatnall is an Associate Professor in Information Systems at Victoria University, Melbourne, Australia. Before taking up his university position he was a secondary school teacher, computer education consultant and educational computer systems analyst at the Victorian State Computer Education Centre. In his PhD he used actor-network theory to investigate adoption of Visual Basic in the curriculum of an Australian university. Arthur’s research interests include technological innovation, history of technology, computers in education, IT in educational management, information systems curriculum, project management and electronic business. Much of his research is based on the use of actor-network theory. Arthur is a Fellow of the Australian Computer Society and is active in the International Federation for Information Processing (IFIP) as Chair of IFIP WG9.7 – History of Computing, Chair of IFIP WG3.4 – ICT in Professional and Vocational Education and a member of IFIP WG3.7 – Information Technology in Educational Management. He has published widely in journals, books and book chapters.

***

Thomas Agresta is Full Professor and Director of Medical Informatics in the Department of Family Medicine at the University of Connecticut Health Center, Director of Clinical Informatics for the
Biomedical Informatics Division of the Center for Quantitative Medicine and is the Section Leader for Informatics at the Connecticut Institute for Primary Care Innovation. He is a family physician with more than 25 years experience caring for patients at Asylum Hill Family Medicine Center in Hartford, CT. He is Board Certified in Clinical Informatics and is nationally known for his innovative approach to teaching students, residents and physicians to use technology at point of care to provide patient-entered, evidence-based care.

**Ajit N. Babu** is Clinical Professor of Internal Medicine at Saint Louis University and a staff physician at the St. Louis VA Medical Center. He is also the Director of the Center for Advancement of Global Health, an NGO based in Kochi, India which focuses on the judicious use of technology for promoting resource optimization and better outcomes in public health.

**Bader Binhadyan** is a PhD candidate at RMIT University, Australia. He holds a master degree in Business Information Systems from Monash University, majoring in Enterprise Resource Planning (ERP), and a bachelor degree in Information Technology from La Trobe, Australia as well as two diplomas in IT, University of California, San Diego and Imam Saud University in Riyadh. He Worked at Saudi Arabian Monetary Agency (SAMA) for just over 8 years as asst. computer programmer. Because Bader has worked and studied in Australia, the Middle East and North America, It helps him to get insight into different cultures and crafted his ability to adapt new environments and introduce new ideas. He has interests in psychology, human behaviour, and technology which have had the most influence on his research.

**Indra Budi** received the Doctoral degree in Computer Science in 2008 from University of Indonesia. Currently, he is an academic staff at the University of Indonesia. His research interest includes information extraction, Natural Language processing, e-government and it-governance.

**Alfred Coleman** has a PhD in Information Systems. The topic of his PhD was “E-health readiness assessment for e-health framework in developing countries”. He is a member of IEEE, ACM and SAICSIT (South African Institute of Computer Scientists and Information Technology). Alfred is presently an associate professor at the School of Computing, University of South Africa. In the school his responsibilities are the following: tuition of software development, chair of the school’s advisory board, and head of its health informatics group. He has published extensively in accredited journals and participated in many conferences.

**Steven A. Demurjian** is a Full Professor in Computer Science & Engineering at the University of Connecticut, and co-Director of Research Informatics for the Biomedical Informatics Division of the Center for Quantitative Medicine, with research interests of: cross-domain systems, software architectures for health information exchange, secure-software engineering, security for biomedical applications, and security-web architectures. Dr. Demurjian has over 150 archival publications, in the following categories: 1 book, 2 edited collections, 58 journal articles and book chapters, and 98 refereed conference/workshop articles.

**Haya Rizqi Fajrina** obtained her bachelor degree in Information Systems from Universitas Indonesia. Currently, she is pursuing her master study at the Faculty of Computer Science Universitas Indonesia.
Her research interests are related to knowledge management, supply chain management and customer relationship management.

**Kadeghe G. Fue** received his Master of Science from the University of Florida, USA in the summer of 2014. He studied precision agriculture, information systems and automation. He was sponsored by iAGRI under USAID feed the future program. He received Borlaug LEAP fellowship award in the fall 2013. After then, He received the Pan African Conference on Science, Computing and Telecommunications (PACT) 2014 best student paper award in Arusha, Tanzania for the paper entitled “A Solar-powered, Wi-Fi Re-programmable Precision Irrigation Controller” on 17th July, 2014. Before joining the University of Florida, he received Bachelor of Science in computer engineering and information technology and attained honors degree from the University of Dar es Salaam, Tanzania in October, 2011. Then, he joined Sokoine University of Agriculture in 2011 as the member of academic staff. He teaches several courses in Computer programming languages and algorithms, Networking, Microcomputer systems, instrumentation, electronics, geoinformatics and database management systems.

**Suama Hamunyela** holds a Masters in Information Technology. Currently, he is a Lecturer of Informatics, at the Namibia University of Science and Technology, Windhoek, Namibia. Prior to his fulltime appointment in academic in 2010, Suama led an IT department in a Public Institution in Namibia. She was an IT technician and Systems Administrator at the ministry of Gender Equality and Child Welfare Services. Suama’s research interests and focus areas include Health Informatics, Enterprise Architecture, Information Technology Strategy, Actor Network Theory and Structuration Theory. She published book chapters, journals articles and conference proceedings.

**Catherine Han-Lin** has worked in the IS/IT profession for more than 20 years with many well-known international companies at various positions including: System Analyst, BI/BA, ICT Manager, Research Assistant, and IS/IT Lecturer. Her research interest include: Information Systems, Information Management, Health Informatics, IS/IT in Complementary and Alternative Medicine especially Chinese Medicine.

**Putu Wuri Handayani** is a lecture in Faculty of Computer Science Universitas Indonesia. She obtained her master degree in electronic business from University of Applied Science Fulda, Germany. She is currently pursuing her doctoral study at the Faculty of Computer Science Universitas Indonesia. Her research interest are related to information system/information technology such as e-commerce, enterprise resource planning, supply chain management, customer relationship management and healthcare information system.

**Achmad Nizar Hidayanto** is the Head of Information Systems/Information Technology Stream, the Faculty of Computer Science, Universitas Indonesia. He received his PhD in Computer Science from Universitas Indonesia. His research interests are information systems/information technology, e-learning, information systems security, change management, distributed systems and information retrieval.

**Vincent Horner** has a Master’s Degree in Computer Science from the University of Pretoria, South Africa. His Master’s degree was on a topic in the interdisciplinary field of health informatics. Vincent has recently completed a PhD in the health discipline of Community Health, which he obtained from the University of Limpopo, Medunsa Medical Campus. The topic of his PhD has expanded on the themes of
health informatics and public health studies in South Africa. Professionally: Vincent is currently working for the University of South Africa, School of Computing, as a lecturer. His duties include tuition, supervision of postgraduate students, and research. Prior to joining UNISA Vincent worked as a scientists and research fellow at the South African Medical Research Council (MRC) for nine years. He has also worked in the private sector for large as well as start-up organisations.

Kasiyah M. Junus is a Lecturer in Faculty of Computer Science Universitas Indonesia. Currently, she is pursuing her doctoral study at the Faculty of Computer Science Universitas Indonesia. Her research interest is related to information system/information technology such as e-learning.

Ronald Karon is a staff member at the Namibia University of Science and Technology (NU). He is currently tasked to be the coordinator for computer courses for non-Computer Science students in the institution. He has extensive lecturing experience at both undergraduate and post-graduate levels. He holds a Bachelor’s degree in Systems Administration and Networks and an Honours degree in Business Computing from the NU. He is currently enrolled for a Masters program in Informatics at the same institution.

Maulilio Kipanyula is a Veterinarian with specialization in tropical livestock diseases, with keen interests in integrating ICT in advisory systems for surveillance and management of livestock diseases. He has researched extensively on One Health approach with application of ICT in surveillance of zoonotic diseases such as rabies. He is a co-project leader in a Project titled: Characterization of Tanzania Zebu Cattle for Tolerance to Ticks and East Coast Fever. Also, he is a Deputy coordinator in a Project titled: Capacity Building for Training and Research in Aquatic and Environmental Health in Eastern and Southern Africa (TRAHESA), funded by NORAD through NORHED programme. Furthermore, he participated in year 2008 in a Training of Trainers; A consultancy to evaluate a manual on Improved and Safe Poultry Production based on the training manual by FAO.

Amir Manzoor holds a bachelor’s degree in engineering from NED University, Karachi, an MBA from Lahore University of Management Sciences (LUMS), and an MBA from Bangor University, United Kingdom. He has many years of diverse professional and teaching experience working at many renowned national and internal organizations and higher education institutions.

Sharol Sibongile Mkhomazi received her Master’s degree in Business Information Systems from Tshwane University of Technology, Pretoria, South Africa in 2009 and her Doctoral Degree in Computer Science and Data Processing in 2013 from the same institution. She is currently an HOD in the Department of Office Management and Technology, Faculty of Management Sciences at Tshwane University of Technology. Her main research activities involve Telecommunication Infrastructure management, Knowledge Management and Research methodology. She has published articles in book chapters and international conferences.

Hoda Moghimi is a strategic and tactical professional with over 10 years experience in lecturing, research, consulting, solution transformation and project management including the delivery of large business analytics, Big Data and information management projects. Dr. Moghimi also has over 30 peer-
reviewed scholarly publications and she is the author of several book chapters in Health Informatics contexts.

Phathutshedzo Nemutanzhela is a PhD student. She holds a Masters Degree from Tshwane University of Technology, South Africa. Her principle research interest is Competitive Intelligence and Information Systems, Diffusion of Innovation theory and also developed an interest on mobile health (mHealth) and e-health.

Sandeep Patil completed Bachelor of engineering in Biomedical Engineering(BIET) and Masters in Embedded System, Manipal University. Currently Working as a Project manager and also playing vital role in industry-academic relationship development at Applied Cognition Systems and pursuing my part time PhD in Manipal University in the field of Image Processing. I also work as guest faculty at school of information sciences, Manipal University. I am also a external member to the board of studies to school of information sciences, Manipal University.

Ave Adriana Pinem obtained her master degree in Computer Science from Universitas Indonesia. Her research interests are related to enterprise resource planning, knowledge management, supply chain management and customer relationship management.

P. S. Ramkumar is functioning currently the Founding director of Applied Cognition Systems, an R&D company developing innovative technology solutions for Governance, Health and Education. He is also currently an AICTE Distinguished Visiting Professor for Vishweshariah Technological University and Adjunct professor at Manipal University and Advisor to Providence Education Group at Thailand. He also serves as an empaneled expert of the Cyber-Security division in ITU wing of United Nations. Dr. P.S. Ramkumar has over 30 years of experience in various roles as a scientist, teacher, entrepreneur, business and corporate manager. Dr.Ram grew from a Lab-assistant to a Scientist heading Signal Processing Labs at the Raman Research Institute, and from a Diploma to M.Tech and Ph.D. degrees along with his job. With several publications and 8 patent filings, he has been a research guide for over 100 PG students. Dr. Ram has held several important positions in the Industry as the Director of Innovation and Research Program at Intel Corp., as founding director of VxTel-India, as CTO at SRIT, as General Manager at Nuntius Systems Inc., etc. Dr Ramkumar was a special invitee to Health IT standards advisory committee of central ministry of IT. He has been an advisory to boards of several companies and an active member of IETE, IEEE, IAMI, TSI. In recognition of his contributions, he was awarded Young Scientist Membership by Indian Academy of Sciences and received several excellence awards from Intel and industry in general.

Puspa Indahati Sandhyaduhiita is a lecturer at the Faculty of Computer Science, Universitas Indonesia. She received her master degree from TU Delft, the Netherlands. Her research interests include information systems, requirements engineering, business process modeling, enterprise architecture, enterprise resource planning, and supply chain management.

Camilius Sanga is an Associate Professor of Informatics in the Department of Informatics at Sokoine University of Agriculture (SUA), Tanzania. He is a head of Department of Informatics in the Faculty of Science, SUA. He has PhD in Computer Science from University of the Western Cape, South Africa.
Also, he holds MSc. Computer Science and BSc. in Computer Science from Osmania University and University of Dar es Salaam respectively. His research interest is in the area of Information and Communication Technology for Development (ICT4D). He has published papers in a number of International journals. He has also published articles in local and International conferences in the field of ICT4D. Furthermore, he has co-authored two books as well as a number of book chapters. Some of the research projects which Sanga has been involved are: (i) Development of Monitoring and Evaluation system for Projects under Enhancing Pro-poor Innovations in Natural Resources and Agricultural Value-chains (EPINAV) at SUA, (ii) Promoting participation of female students in Science, Technology, Engineering and Mathematics using e-learning and (iii) Farmer Voice Radio (FVR) Project - Building a radio - based, impact driven small farmer extension service system. Currently, he is an assistant project leader for the research titled “The role of mobile phones towards improving coverage of agricultural extension services: a case study of maize value chain”. Lastly, he is involved in the project titled “Assessing the impacts of climate variability and change on agricultural systems in Eastern Africa while enhancing the region’s capacity to undertake integrated assessment of vulnerabilities to future changes in climate” (2012-2014) (http://www.agmip.org/).

Eugene Sanzi is a Ph.D. student at the Computer Science & Engineering department at the University of Connecticut. His research interests include the usage of credentials to define user profiles that can be utilized to provide authentication to a system that a user has never been authorized to utilize for time-critical situations.

Jonathan L. Schaffer is the managing director in the Information Technology Division and of the Distance Health team at Cleveland Clinic where he manages the eClevelandClinic effort to connect the participants in the care process. Cleveland Clinic’s MyConsult program, an online second medical opinion program, is used by consumers and corporations worldwide 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. Dr Schaffer is also an active board certified joint replacement surgeon and the Program Director for the Advanced Operative Technology Group in the Orthopaedic and Rheumatologic Research Center. Jonathan is a graduate of Haverford College, Case Western Reserve University’s School of Medicine, University of Pennsylvania’s Orthopaedic Surgery Residency program, the Adult Reconstructive Orthopaedic Surgery Fellowship program at Brigham and Women’s Hospital and holds an MBA from the Kellogg School of Management at Northwestern University in Evanston, Illinois.

Irja N. Shaanika is a student at the university of Science and Technology, currently enrolled for the Master of Informatics. Her research areas include health informatics and enterprise architecture.

Chandana Umnithan is a higher education professional (academic) in Australian Universities. Her academic portfolio intersects teaching and research in Information Communication Technologies (ICTs), Informatics/Analytics, Business Management and Public Health. She has also spent a few years in the ICT sector, handling international projects with multinational corporations such as IBM. A passionate researcher with over 70 peer reviewed publications, her current focus is on leveraging social media for citizen engagement and public health, the development of health informatics discipline. She is an
invited speaker, panelist and member of many international program committees for conferences in the information systems and management discipline.

Paraskevas Vezyridis is a Research Fellow at the University of Nottingham, UK. His research focuses on the socio-technical examination of the implementation and use of clinical information systems. His research interests also include new technologies in education and practice of health professionals, the operation of the emergency department, ethics and culture in healthcare.

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. As of 13th Dec 2009 she was appointed the professor of information management and library science in the school of Business IT and Logistics at RMIT University. Prior 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.

Angela Wei Hong Yang has been teaching, researching and practicing Chinese medicine for nearly 20 years. Her research specialty is to investigate the quality, safety and effectiveness of Chinese medicine, particularly Chinese herbal medicine, for the ageing population and those with chronic diseases (e.g. diseases of immune system and endocrine system). Her research expertise includes the development of systematic reviews and clinical trials as well as instruments for quality assessment of Chinese medicine studies. She is also specialising in using the interdisciplinary approach (e.g. information systems) to promote, manage and analyse Chinese medicine knowledge.

Timoteus B. Ziminski is a Ph.D. student at the Computer Science & Engineering department at the University of Connecticut. His research interests include software architectures with a focus on data and system integration, emphasizing on solutions that are suitable for application in the biomedical and healthcare domains. Next to pursuing research, he holds the degree Diplom-Informatiker from the Technical University of Dortmund and is a full time software developer in industry.