About the Contributors

Stefane M. Kabene, MPs, PhD, is a faculty member in the Aubrey Dan Program in Management and Organizational Studies with a cross appointment in the Faculty of Health Science at the University of Western Ontario, London, Ontario, Canada. His primary interests are in healthcare, information and communication technology and human resources for health. His focus is in Interprofessional collaborative practice, knowledge transfer, quality of care and patient involvement in clinical decision making. The future of health care lies in health professionals’ capacity and willingness to develop new ways of working together for the benefit of the patient. Knowledge and power sharing, role valuing, use of information and communication technology and patients’ participation in decision making are only a few of the variables we need to better understand. Dr. Kabene is involved in research projects with the Schulich School of Medicine and Dentistry, the School of Nursing, and the Faculty of Social Sciences.

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Pedro Antunes is Associate Professor (with Habilitation) at the University of Lisbon’s Department of Informatics. His main research interests are the design, development and assessment of complex socio-technical systems concerning human-computer interaction; group collaboration, decision and negotiation; and technology support to situation awareness, safety, flexibility and resilience. He received his PhD in electrical and computer engineering from the Technical University of Lisbon.

Rogério Bandeira is a researcher at the University of Lisbon’s Department of Informatics. His main research interests are in human-computer interaction, specifically the assessment of socio-technical systems and Web and mobile accessibility. He has worked more than 15 years in the IT industry. Rogério Bandeira is currently an MSc student at the University of Lisbon and received his degree in electrical and computer engineering from the Technical University of Lisbon.

Margitta B. Beil-Hildebrand – Ph.D., M.Sc., Dip. Nurs. Mngt., PG Cert. HE, RGN – teaches international healthcare policy, healthcare management and social science research to undergraduate and post-graduate students on a freelance basis at some universities as guest professor in Germany and elsewhere abroad. Her research builds upon a structuralist labor process analysis in which the rationality or effectiveness of the contemporary forms of managerial initiatives within distinct healthcare contexts are neither taken for granted nor presumed. She has published work on the architectural and artistic design of hospital organizations, the causes and consequences of nurse absence, comparative healthcare policy, the German healthcare reform experience and the idea of mobilizing corporate cultures in the
healthcare sector. If she has any time left, Margitta is a keen Porsche 356 and 911 rally driver and has published several articles in German on classic Porsche cars.

**Sofi Bergkvist** is an economist with focus on efficient health care delivery. She manages the health care initiative collaborating with the Centre for Emerging Markets Solutions (CEMS) and has a special interest in health finance. Prior to this, Sofi was a health care analyst for a private equity firm with investments in India. She has also worked in management consulting in Sweden, where she focused on outsourcing of public sector services. She was prior to that with UNFPA in Malawi and carried out a cost-effectiveness study of the national Road Map for reduced maternal mortality. Sofi has also worked as an advisor to the European Commission's Delegation to the United Nations on sustainable development issues. Sofi has a Master of Science degree in International Economics from Stockholm School of Economics and has studied at the MBA program at McGill in Montreal.

**Posy Bidwell** is the Motivation Project Officer at Trinity College Dublin. The goal of the Motivation Project is to strengthen the evidence base for effective human resource strategies in developing countries and is exploring in detail the motivational issues faced by health workers. Additionally, she is doing a PhD looking at migration patterns of doctors from Africa to Ireland. She did her undergraduate degree in Physiology at Manchester University then a Masters degree in Demography and Health at the London School of Hygiene and Tropical Medicine. Before moving to Ireland she worked in Tanzania implementing an HIV/STI/malaria intervention in gold mining communities throughout the Lake Zone.

**Cam Bowie:** After specialist training in paediatrics and public health Dr Bowie established a department of public health in the UK of national repute, bridging the gap between service and academic work as evidenced by a number of major publications. For the past eight years he has been Associate Professor of Community Health in the College of Medicine, University of Malawi, where he set up a Masters programme in Public Health and a research portfolio relating to AIDS services, human resources and the health poverty nexus.

**Luís Carriço** is Associate Professor at the University of Lisbon’s Department of Informatics. His main research interests are human-computer interaction, user-centered design, mobile-interface design, pervasive computing, ubiquitous computing, groupware, accessibility and e-health. He received his PhD in electrical and computer engineering from the Technical University of Lisbon.

**José Luis Conesa** graduated in Telecommunications Engineering in 1985 from the Universidad Politécnica de Madrid, Spain. That year he joined ITT (now Alcatel) Research Center in Madrid as an ASIC designer. When AT&T Microelectronics opened a site in Madrid, he joined the company and spent three years working as an ASIC designer in Bell Laboratories (Allentown, PA, USA). Upon his return to Madrid he was appointed Design Center Manager. In 1990 he joined Telefónica Research and Development, as manager of the Microelectronics Division, until appointed as Head of the Department of Basic Technologies (PCB design, software technology, reliability and material, microelectronic design, etc.). In 1997 he joined the IT department in Telefónica de España, as responsible of the internal data network, and afterwards promoted to Director of IT Production. He is currently Co-Director of the Observatory for eHealth of the Sanitas Chair at UPM.
About the Contributors

H. Dominic Covvey is President and Director of the National Institutes of Health Informatics, Professor and Founding Director of the Waterloo Institute for Health Informatics Research, University of Waterloo and Professor in the Schools of Pharmacy and Optometry. Dominic has been involved in Health Informatics education, research and services for over 41 years, including serving for 15 years as a full-time consultant (managing hundreds of HI consulting projects in the U.S. and Canada), and 15 years as an applied researcher (Senior Research Fellow) and Assistant Professor in Medicine and Computer Science at the University of Toronto. Dominic graduated from the University of Wisconsin (Madison, Physics and Astronomy) and did his graduate work at the University of Toronto in Medical Biophysics. He is a Fellow of the American College of Medical Informatics and the Healthcare Information and Management Systems Society, a Senior Member of the IEEE, and a CIPS-certified Information Systems Professional.

Emmett Davis, as an information worker in compliance with Moore’s Law, had been a librarian for one decade. For over two decades, he has innovated in Information Technology within local government Human Services. Emmett creates, consults, and authors about knowledge and information systems, including diffuse systems, artificial intelligence, quality, the synergy of technology and business processes, and e-government. Miracle materials are wonderful. But a culture, who continually builds brick walls, needs but new ideas to also build arches in those walls for doors and windows.

Sisira Edirippulige is the coordinator of e-healthcare programs at the Centre for Online Health (COH), University of Queensland (UQ), Australia. Dr Edirippulige obtained his PhD from the University of Auckland, New Zealand. His main responsibilities involve teaching and coordinating of undergraduate and graduate courses in e-healthcare and the Continuing Professional Development (CPD) courses in telehealth offered at the COH. His research interests include the development, promotion and integration of e-health education and telemedicine applications into the healthcare sector. Before joining the UQ Sisira taught at Kobe Gakuin University in Japan and at the University of Auckland in New Zealand. He has extensive experience in development studies working in a number of countries including Russia, Sri Lanka, South Africa, Japan and New Zealand.

Walid El Ansari is Professor of Public Health, University of Gloucestershire, UK. His background is in clinical medicine and paediatrics after which he moved to public health. He holds a Bachelor of Medicine & Surgery, 2 postgraduate Diplomas in Paediatrics and in Tropical Medicine, and Masters of Public Health. Walid also holds 2 PhDs from the UK, one in Public Health and the second PhD in Health Professions Education. His has worked in Egypt, Austria, Malawi, South Africa and UK at universities, ministries of health, US Agency for International Development, Child Survival Projects, and Public Health projects. He also worked with the WHO, Geneva, recently was an invited scholar at UCLA, School of Public Health, USA, and has been an invited member to both WHO’s Network of Innovators and the National Institute of Clinical Excellence (NICE) for community engagement. His research interests include public health; inter-sector collaboration and partnerships; and community engagement and involvement.

Yoshikazu Fijisawa is an associate professor at the School of Administration and Informatics, University of Shizuoka, Japan. He has worked at several universities in Japan and overseas. Associate Professor Fujisawa has won a number of competitive grants to conduct health and medical research. He
About the Contributors

is a member of several professional bodies in Japan including Japanese Society of Health Education and Promotion and Japanese Association for Health and Welfare Policy.

**Candace J Gibson, PhD, CHIM** is an associate professor in the Department of Pathology at the Schulich School of Medicine and Dentistry, the University of Western Ontario, in London, ON. She has been involved in medical research, teaching to undergraduate baccalaureate, medical, nursing and dental students, and administration in the department’s graduate and undergraduate degree programs. Over the past decade she has been actively engaged in the introduction of teaching in health informatics as a medical school elective and in the health information management program in the Faculty of Health Sciences. In the latter program she teaches courses in pathology, health informatics, and health information management. Her current interests include the development of effective e-learning tools, HI and HIM curriculum development, and the introduction and use of the electronic health record.

**David Hevey** is a lecturer in the School of Psychology, Trinity College Dublin, Ireland. After completing his undergraduate (BA Psychology) and masters (MA Applied Psychology) degrees in University College Dublin, he completed his PhD in Trinity College Dublin examining the responsiveness of health-related quality of life measures to change. After completing his post-doctoral research with the Department of Psychology in the Royal College of Surgeons in Ireland, he moved to Trinity College Dublin as a Lecturer in Research Methods in 2002. He has published in national and international psychology journals and has an active involvement in the professional development of health psychology. He has served as Chair of the Division of Health Psychology (DHP) and was elected to being a member of EHPS executive committee in 2006. His current research interests include risk perception, quality of life assessment and psychological issues relating to cardiac rehabilitation.

**Prathurung Hongsranagon** is currently an Assistant Dean in Academic Affairs, a full-time lecturer for the major Urban and International Health, and Head of the e-Learning team for the management of the ‘Learning at the Workplace’ program at the College of Public Health Sciences, Chulalongkorn University, Bangkok, Thailand. Dr Hongsranagon has a Doctor of Philosophy in Integrated Sciences from Thammasat University, Bangkok, Thailand and pursues an interest in the area of distance education for the public health workforce.

**George Kontaxakis** is a tenured Contract Professor at the Department of Electronic Engineering of the Universidad Politécnica de Madrid, Spain. He holds a PhD degree in Biomedical Engineering joined from Rutgers, the State University of New Jersey and the University of Medicine and Dentistry of New Jersey, USA. He held previously various research positions at the University Hospital in Frankfurt, the German Cancer Research Centre in Heidelberg, and the Fraunhofer Institute for Computer Graphics in Darmstadt (Germany), and the Macquarie University in Sydney, Australia. His main areas of interest are molecular image reconstruction, analysis and processing, medical informatics and eHealth applications. His research work has been published at more than 35 papers in peer-reviewed journals and book chapters, and over 120 scientific conference proceedings.

**Kerry Johnson, MAEd, CHIM,** is an Academic Associate and Program Coordinator for the BHSc Health Information Management (HIM) specialization at the University of Ontario Institute of Technology (UOIT). He is an internationally recognized HIM professional with over 25 years of experience.
in a variety of HIM roles. For example, Kerry has directed and managed HIM departments of various sizes within the Toronto area, and worked in quality and risk management, coding and data analysis, and health information systems implementation. As well, he has experience working for the Canadian Institute for Health Information (CIHI), George Brown College, and Sherbrooke University. Kerry is an active member of the Canadian Health Information Management Association (CHIMA), and has held positions on a number of CHIMA’s committees, including the Board of Directors and Council on Education and Professional Practice. Kerry’s current research interests are professional development and continuing education for HIM professionals. He is currently engaged in doctoral studies in the field of education, with a focus on educational technologies.

Nancy M. Leahy, RT, RDMS, RVT, is currently serving as a faculty member in the Diagnostic Medical Sonography Program at St. Philip’s College, San Antonio, Texas. Ms. Leahy has approached the subject of work force planning by drawing on her diverse work experience and educational background. Ms. Leahy has 30 years of work experience in the health care field. She has held range of positions in a variety of health care delivery settings. Prior to her faculty position at St. Philip’s College; she was responsible for the training and development of 2800 employees at a community hospital in St. Louis, Missouri. It was in that position that she utilized her expertise in integrating and aligning organizational training programs and leadership development to the strategic business objectives of an organization.

Raymond W Leduc, MBA, CGA, is a faculty member in the Aubrey Dan Program in Management and Organizational Studies at the University of Western Ontario, London, Ontario, Canada. His primary teaching areas are in strategic management and globalization. He is also a doctoral candidate interested in knowledge management, and in particular knowledge transfer and sharing, within interdisciplinary healthcare teams.

Leonard Leos MSN, RN, is the director of the RN education department at St. Philip’s College, San Antonio, Texas. His leadership experience spans across the clinical and educational arenas. Leonard’s nursing practice has focused in the care of individuals with cardiac disease and the care of individuals at the end of life. His current clinical focus is in aggregate health with a specific interest in the provision of culturally competent care in traditionally underserved at-risk populations. He lectures in the areas of cultural considerations at the end of life, cultural considerations in nursing education, and work place civility. He has served on a National Advisory Committee for the U.S. Office of Minority Health on the development of a Cultural Competency Program for Nurses. Leonard is currently pursuing a PhD in public health with a concentration in community health and education.

Carlos A. López Barrio received his PhD from the High Telecommunications Engineering School of the Universidad Politécnica de Madrid (UPM). He also followed a Management Development Program, organized by the Harvard Business School and the IESE Business School (Spain), entitled “Facing Competitive Challenges” (1999) and a Senior Management Program at the IESE Business School (2004). He has been Director of Innovation at Telefónica R&D and Vice-Director General of Technology and Networks at Telefónica de España, S.A (1997-2004). He is currently Full Professor at the High Telecommunications Engineering School, as well as Director of the Sanitas Chair and the Integrated Systems Laboratory, all at UPM. In the 1990s he has been one of the Spanish delegates in the IT Committee of the European Commission (EC), and the Spanish delegate in the European Debate on the Green Book.
on Innovation, promoted by the EC. During 2001-2002 he was member of the Information Society Technolo-
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company (1992-95), member of the Board of Directors of Venturini España (1997-2004) and the first
Chairman of the Spanish Circle of Quality in Telecommunications (CIECAT) from 1992 to 2000. He
is author of a large number of scientific publications in international journals and conferences and has
taught different technical courses, both at the University – undergraduate, graduate, PhD, continuing
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Keith Lui is Assistant Professor and a medical informatician at the School of Population Health,
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tained his PhD in computer science and health informatics at University of Western Sydney by studying
the quality of experimentation used to assess informatics tools and software methods. He also holds a
Bachelor of Medicine and Surgery degree and a Graduate Diploma in Information Technology. Keith has
worked in the e-health arena as a pathology information systems analyst and also devotes some of his
time to medical practice. In addition to the area of health informatics evaluation, he is keenly interested
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Lucy Nthabiseng Makoae is a nurse educator working as a senior lecturer at the National University
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Ogenna Manafa is a research scientist with 12 years post doctoral experience in the biological sci-
ences, health system research, research/ project management, health/research ethics, implementation
of programmes and monitoring projects and trials. She is a Professional project manager with proven
record of project management, training researchers in good clinical practice/ethics and grant writing.

Ms Siti Noorsuriani Maon is a lecturer at the Faculty of Office Management and Technology,
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reference to the ICT use in education and training.

Rohana B. Marasinghe is a Senior Lecturer at the Department of Medical Education and Health
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Australia. He obtained his MBBS from the University of Colombo, Sri Lanka. His MPhil research in
Medical Education at USJP evaluated the medical curriculum based on outcome evaluation measures.
His current PhD research investigates the potential of telemedicine applications for the prevention of
self-harm and suicide. He has conducted a number of workshops on curriculum and staff development,
and he is particularly interested in Medical Education with reference to ICT/Innovative technology use
in education and teaching.
About the Contributors

Fresier Maseko is a research officer in the department of Community health at college of Medicine, University of Malawi. In the past three years, Fresier Maseko has been working on Human resources for health projects which Trinity college has been conducting with the university of Malawi, college of medicine. Fresier Maseko is a graduate of Master of Public Health Methodology Degree from the Université Libre de Bruxelles in Belgium.

Eilish McAuliffe is Director of the Centre for Global Health at Trinity College Dublin having led its establishment and subsequent development over the past 5 years. The Centre conducts multi-country comparative research in a wide range of low and middle-income countries drawing on the expertise of a wide range of social sciences disciplines across College. She holds several research grants in global health, her primary areas of activity being on strengthening health systems and in particular human resources for health. She is also a senior lecturer in health policy and management and director of the Masters programme in Health Services Management at Trinity College Dublin. Before taking up her post at Trinity College Dublin, Eilish previously worked as a healthcare management specialist in Ireland, as a clinical psychologist in the NHS and as a public health researcher in Malawi. She has published several books and peer reviewed papers in the areas of health policy, organizational change, and global health.

Mamello ‘Moleli-Habi holds a BA degree in sociology and Anthropology from the National University of Lesotho (1986) and Msc in Health Education and Promotion from the Leeds Metropolitan University (1995). She has worked in the civil service (14 years) and joined the NGO sector in 2001 working for Care International Lesotho managing a sexual Health and Rights Promotion programme targeting migrant workers between Lesotho and South Africa in border towns and surrounding communities. In 2004, began to freelance and conduct research in various fields of social development including HIV and AIDS. She was the research officer for this study and was responsible to liaise between the Trinity College and MOHSW team on technical issues of the research; responsible for recruitment and training of data collection staff; facilitation of data entry and cleaning and sharing of study findings at local level. Mamello ‘Moleli-Habi provides consultancy services in research, training and materials development to government agencies, NGOs and private sector.

Isidoro Padilla received his BS and MS degrees in Telecommunication Engineering at the Universidad Politécnica de Madrid (UPM), Spain. He is also General Management Program Diplomate by the IESE Business School, Spain. He is currently Honorary Professor at the Telecommunications Engineering School of UPM. He has spent over 30 years in Telecommunications Networks and Services working for Telefónica de España, at the Department of Research and Studies and acting as the delegate of the company in international standardization bodies, such as the International Telecommunication Union. In the period 2000 – 2005 he has served as: Vice President & CEO at Telefonica R&D; Chairman of the Committee on Innovation and Technology Transfer at the Spanish Electronics, Information Technology And Telecommunications Industries Association (AETIC); Member of the Commission for Innovation at the Foundation for Technological Innovation (Fundación COTEC). His current main areas of research activity include: technology innovation management, information technology strategy, processes and organization, and innovation in education. He is collaborating in several research projects at national and international levels on areas of nanotechnologies, e-Health (based on Internet and Mobile), surveillance technology and collaborative working environments.
Christopher L. Pate is currently serving as the Dean of Health Sciences at St. Philip’s College, San Antonio, Texas. Dr. Pate has nearly 25 years of military healthcare experience and nearly a decade of faculty experience at the graduate level. He has taught at the U.S. Army-Baylor Graduate Program in Health and Business Administration, Webster University, the University of Phoenix, and Trinity University. He is a 1994 graduate of Syracuse University (MPA) and a 2001 graduate of Penn State University (Ph.D). His areas of interest include decision making, use of quantitative methods in healthcare settings, and health disparities research.

Hanna Pernefeldt has a public health background, with specific focus on nutrition, sexual and reproductive health and rights, maternal and child health, in addition to media and communication. She has a Bachelor of Medicine in Public Health Sciences from Karolinska Institute and was in the middle of her graduate studies at Uppsala University when the opportunity in Hyderabad came about. In 2008 she started working for the Haseltine Foundation of Medical Sciences and the Arts as a technical partner for the Rockefeller Foundation, identifying innovative health care delivery models in India under the umbrella project of investigating the private sector’s role in health care delivery. She is now working full time with the ACCESS Health Initiative and the health care work related to the Centre for Emerging Markets Solutions (CEMS). Her educational background is international and she has lived and worked in both Sweden and the United States. Previous related jobs and internships have been with RFSU, the Swedish Association for Sexuality Education, and Direct Relief International.

Jorge Rodrigo graduated as telecommunications engineer from the Universidad Politécnica de Madrid (UPM), Spain, in 2008. He has closely collaborated with the Sanitas Chair at UPM, and contributed to the publication of the first report on the ICT in the Spanish National Healthcare System, produced by the Observatory for e-Health of the Sanitas Chair in 2008. He is currently employed as electronics design engineer in the private sector in Madrid, Spain.

Jayshiro Tashiro, PhD, BSN, RN is currently a Professor in the Faculty of Health Sciences at the University of Ontario Institute of Technology (UOIT). His research focuses on telehealth and disease management, the relationships between evidence-based learning and evidence-based practice in healthcare, interprofessional education, and assessment of complex competencies within clinical simulations. Beginning in the mid-1990s, Tashiro led research teams in the development and evaluations of virtual clinical simulations that monitor users’ choices during treatment of complex patients within the simulations. The principal focus of these monitoring systems has been clinical judgment, with the software conducting automated analysis of choices made by the user while working within a simulation. Funding related to virtual learning environments has been over $10 Million since 1990. At UOIT, Tashiro teaches In the Health Information Management Program and is currently building and evaluating simulation-rich courses that promote interprofessional collaborative patient-centred care. Tashiro also helped establish and now is part of the Management Team for the Health Education Technology Research Unit at UOIT.

Stephen Thomas is a Lecturer in Health Policy and Management at Trinity College Dublin. Prior to moving to Ireland he was the Director of the Health Economics Unit at the University of Cape Town. Steve did his undergraduate degree in Politics, Philosophy and Economics and his Masters degree in Development Economics at Oxford University, before completing his PhD at the University of Cape Town. He has a wealth of experience in policy oriented research in government and academia internationally. His
research interests include resource allocation, equity, health financing and human resources. Currently, he is leading research into the viability of Social Health Insurance in the Irish context. Other current research interests include evaluating the supply and distribution of GPs in the Irish context and exploring strategies to retain human resources in developing countries through the use of incentive packages.

Silvia Stringhini is a PhD student at the School of Public Health of the Université Paris XI-Paris Descartes, Paris. She did her undergraduate degree in Economics at the University of Pavia, Italy and her Masters degree in Global Health at Trinity College Dublin. As part of her Masters degree she conducted research to determine whether informal payments are being used for health care in Tanzania. She’s interested in access to health care, health equity and health inequalities, in both high and low and middle income countries. Currently she is currently working on mechanisms explaining social inequalities in mortality in two European cohorts, the British Whitehall II and the French GAZEL studies.

Nilmini Wickramasinghe (PhD) researches and teaches within information systems domain with particular focus on the applications of these areas to healthcare and thereby effecting superior healthcare delivery. She is well published in all these areas with more than 100 referred scholarly articles, several books and an encyclopaedia. In addition, she regularly presents her work throughout North America, as well as in Europe and Australasia. Nilmini Wickramasinghe is a professor at the Business Information Technology School at RMIT University Australia. In addition she is the U.S. representative of the Health Care Technology Management Association, and the editor-in-chief of two scholarly journals published by InderScience.

Melody Wolfe is currently a psychology student at the University of Western Ontario specializing in Cognitive and Behavioural Neuroscience. She is a research assistant to Dr. Stefane Kabene. She is currently examining the association between psychopathology and creativity, specifically, how traits commonly coupled with psychopathic behaviour are correlated with the expression of creativity in artists. Prior research includes the effect of semantic priming on memory, and the cognitive processes involved with discriminating between concrete and abstract concepts. Ms. Wolfe is also involved with volunteer programs in Sunnybrook Hospital in Toronto, ON, and the Epilepsy Support Centre in London, ON. She recently spent a summer in Tacloban City, Philippines providing free health care services to underprivileged communities. Her remaining free time is spent volunteering for a variety of on-campus organizations and writing freelance articles for newspapers in both Toronto and London, Ontario.