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 health care, information and communication technology and human resources for health. His focus is on 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.

**Jos Aarts** is a research scientist at the Institute of Health Policy and Management and the Department of Medical Informatics of Erasmus University, Rotterdam in the Netherlands. His scientific interest is the impact of information technology on clinical work practices. His PhD thesis was on the implementation of computerized physician order entry systems in Dutch and American hospitals. His research papers on CPOE appeared in Health Affairs, the Journal of American Medical Informatics Association, the International Journal of Medical Informatics and Methods of Information in Medicine. Dr. Aarts has been a visiting scientist at the Oregon Health and Science University in the USA, and the University of New South Wales and the University of Sydney in Australia. Currently he is also a visiting research fellow at the University of Pennsylvania in the USA. He is chair of the Working Group on Human and Organizational Factors of Medical Informatics of the European Federation for Medical Informatics.

**Kelly J. Abrams**, MPA, CHIM, is Vice President of Education and Professional Practice for the Canadian Health Information Management Association (CHIMA). She has a diploma in Health Information Technology, an undergraduate degree in Health Administration, and a Masters degree in Public Administration (Public Policy). Kelly has over 25 years experience as a certified HIM Professional and has been involved in coding classification, data analysis, risk management, privacy, telehealth, teaching and management. She was awarded the CIHI/CHIMA Joady Murray Memorial Award in 2008.

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Robert J. Barnet M.D., M.A., FACP, FACC is a Senior Scholar in Residence at the Center for Clinical Bioethics at Georgetown University, Washington, DC. Dr. Barnet is a graduate of the University of Notre Dame and Loyola University School of Medicine (Chicago). Dr. Barnet practiced Cardiology for over 25 years in Reno, Nevada. Dr. Barnet received an M.A. in History from the University of Nevada (1986) and an M.A. in Philosophy from the University of Notre Dame (1988). He was a visiting scholar at the University of Notre Dame in 1989-90 (Theology: Ethics and Health Policy) and 1996-1997 (Philosophy). Dr. Barnet has been involved in medical ethics since 1982. He has lectured internationally and published more than 65 articles, on both cardiology and ethics, including on AIDS, end of life issues, health policy and the philosophy of medicine.

Nicholas G. Bircher is Associate Professor of Anesthesiology, University of Pittsburgh, from 1996-present; A.B., Chemistry and Physics, Harvard, 1977; M.D., University of Pittsburgh, 1981; Chair, Bylaws and Procedures Committee, 2007- present; Faculty Representative, Budget Committee of the Board of Trustees, 2005-present; President, University Senate 2003-2005; Co-Chair, American College of Critical Care Medicine Task Force on Glycemic Control, 2005-present; Scientist Emeritus, 2009-present, Senior Clinician Scientist, 2001-2009, and Associate Director, 1989-2001, Safar Center for Resuscitation Research; Co-Director, Neurovascular Intensive Care Unit, Presbyterian University Hospital, 2001-2007; Program Director, Anesthesiology Critical Care Medicine Fellowship, 2001-2007; Chairman, School of Medicine Planning and Budgeting Committee, 1993-2001; Senior Vice Chancellor Health Sciences Planning and Budgeting Committee, 1995-2001; Member, Faculty Assembly, 1997-2006, 2007-present; Faculty Representative, Health Sciences Committee of the Board of Trustees, 1997-2001; Member, Council, Faculty Association of the School of Medicine, 1998-present; Member, Ad Hoc University of Pittsburgh Physicians Faculty Oversight Committee, 1998-1999.

Dario Bottazzi PhD is currently working as a senior researcher at Guglielmo Marconi Labs SpA, Pontecchio (BO), Italy. Prior to his current position, he was research fellow in the Department of Electronic and Information Systems at the University of Bologna. His research interests include middleware solutions for collaborative applications in mobile environments, social computing, and pervasive computing technologies. He received his PhD in computer science engineering from the University of Bologna.

Emmett Davis, as an information worker in compliance with Moore’s Law, was 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 on 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, which continually builds brick walls, needs new ideas to also build arches in those walls for doors and windows.
**Sisira Edirippulige** PhD (Moscow), PhD (Auckland), MSc (Moscow), GradCert in Health Sc (UQ) is Coordinator of Graduate Programs in e-Health care at the University of Queensland, Centre for Online Health, Australia. Dr Edirippulige’s main responsibilities involve teaching and the coordination of undergraduate and graduate programs in e-healthcare. His research interests include the development, promotion, and integration of telehealth education and telemedicine applications in the health care sector. Before joining the University of Queensland, Dr Edirippulige 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.

**Henry Ergas** is a Canberra based economist. He was an economist at the OECD from 1978 to 1993, where he headed the Secretary-General’s Task Force on Structural Adjustment (1984-1987), and was subsequently Counsellor for Structural Policy in the Economics Department. Since leaving the OECD in 1993, Henry’s work has focused on competition policy and regulatory economics. He has been closely involved in dealing with regulatory issues in a range of industries, including telecommunications, electricity, aviation, surface transport, and financial services. He chaired the Intellectual Property and Competition Policy Review Committee for the Australian Government in 1999-2000, and was a member of the Prime Minister’s Export Infrastructure Task Force in 2005 and of the Defence Industry Consultative Group in 2006. He has taught at a number of universities, including the Ecole Nationale de la Statistique et de L'administration Economique (Paris), the Kennedy School of Government at Harvard, Monash University in Melbourne and the University of Auckland.

**Susan Evans-Mueller** is a Project Director for HCA Shared Services Group, Houston. Susan received her MAIS from University of Houston, Victoria and has a BAAS from Texas A&M University – Kingsville.

**Jinan Fiaidhi** is Full Professor of Computer Science at Lakehead University. She is also an Adjunct Research Professor with the University of Western Ontario. She received a Ph.D. degree in Computer Science from Brunel University in 1986, a Postgraduate Diploma in Microprocessors Programming from Essex University in 1983 and a Diploma in Production Engineering from the University of Technology in 1978. Her research interest involves Collaborative Learning, Telemedical Education, Personal Learning Environments, Virtual Multimedia Learning Objects, Mobile Learning, Collaborative Learning at the Enterprise Level and at the Web, Applications of Mashups and Rich Internet Applications in Learning, Developing Learning Infrastructures (e.g. P2P, Mobile, Wireless, Grid, Web 2.0), Learning Ontologies and Folksonomies, and Learning Reasoners. Dr. Fiaidhi has a long research and teaching experience as she has held various academic positions including being a chairperson of the Department of Computer Science-University of Technology, the postgraduate organizer of the Department of Computer Science, Sultan Qaboos University. Dr. Fiaidhi’s research is fully supported by NSERC (National Science and Engineering Research Council) and CFI (Canada Foundation for Innovation) research grants. Dr. Fiaidhi has authored four books, five chapters in books and over 100 refereed articles in highly reputed journals and conference proceedings. Dr. Fiaidhi has had several notable research achievements that include Virtual SceneBeans, DICOM Based Mobile Infrastructure for Telemedical Learning, Biomedical Semantic Blog, and Ontology Extracting Agent for Telemedical Blogging. Dr. Fiaidhi is a Professional Software Engineer of Ontario (PEng), member of IEEE, CIPS, ACM and the BCS.
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.

Nada Gligorov completed her PhD in philosophy from the Graduate Center of City University of New York. Her two areas of specialization are philosophy of mind and bioethics. She has been a bioethics fellow from 2002-2007 at the Mount Sinai School of Medicine, where she has remained on the faculty as Assistant Professor of Medical Education and Assistant Director of Bioethics Education. She teaches both research and clinical ethics for the Mount Sinai--Union Graduate College Bioethics Program. Her professional interests include neuroethics, advanced directives and the personal identity problem, consciousness, and the distinction between commonsense and scientific theories.

Terry John Hannan M.B.B.S FRACP, FACHI, FACMI, is a Consultant Physician in Internal Medicine at the Launceston General Hospital in Tasmania, Australia. He is an inaugural Fellow of the Australian College of Health Informatics and was its President from 2007 to 2009. His initial work in informatics was the international transfer and implementation of the Johns Hopkins Oncology computerized medical record system in a major teaching hospital in New South Wales. In 2000 he was invited to cofound the Mosoriot Medical Record System (MMRS) in Kenya that became the fore runner of the AMPATH (Academic Model for the Provision and Treatment of Health Care) which is based on the OpenMRS record project. He is a current member of the AMIA International Affairs Committee.

Kendall Ho, MD, FRCPC, is a practicing emergency medicine specialist and Associate Professor in the Department of Emergency Medicine at the University of British Columbia. He is the founding Director, eHealth Strategy Office, University of British Columbia Faculty of Medicine. He was the immediate past Associate Dean of the Division of Continuing Professional Development and Knowledge Translation (UBC CPD-KT). He is the executive director of the Technology Enabled Knowledge Translation Investigative Centre (TEKTIC) interdisciplinary research team in B.C. Dr. Ho's academic and research interests fall into the domain of technology enabled knowledge translation (TEKT) – the use of information technologies to accelerate the incorporation of latest health evidence into routine practice. Specific directions within TEKT include telehealth, information and communication technologies (ICT) and patient safety, ICT and public engagement, and evidence based policy translation in eHealth. He is a recipient of a number of provincial, national, and international research grants in eHealth and eLearning, and has published related papers and textbook chapters in these subjects.

Malina Jordanova, MD, Ph.D. received her medical degree in 1984, Ph.D. in neuropsychology in 1990, and subsequently a post-doctoral position at the Max-Planck Institute for Human Development and Education, Germany in 1994-1995. Dr. Jordanova is author and co-author of over 120 papers and more than 100 conference presentations; Vice-Rapporteur for Question 14/2 of International Telecom-
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Sandra Loset is a researcher at the Communicaton Union, Switzerland. Currently she is focusing on eHealth and ICT applications in health care. At present she coordinates a project devoted to telepsychology, funded by the Bulgarian National Science Fund. Since 2002 she has coordinated the annual Educational program of Med-e-Tel (The International eHealth, Telemedicine and Health ICT Forum for Education, Networking and Business, http://www.medetel.eu) and with F. Lievens is editor of the series “Global Telemedicine and eHealth Updates: Knowledge Resources”. Volumes 1 & 2 were published in 2008 and 2009.

Stephen Krieger, MD completed his Neurology residency training at Mount Sinai in 2006. He received a Fellowship in clinical research from the National Multiple Sclerosis Society 2006, and completed a two-year fellowship training in Multiple Sclerosis at Mount Sinai in 2008. He graduated from Columbia College, and received his MD degree from Yale University. In addition to his clinical work at the MS Center, he has an academic appointment as Assistant Professor of Neurology at the Mount Sinai School of Medicine, where he is a member of the Education Committee and runs the Brain and Behavior seminar series for the medical school. His professional interests include MS, behavioral neurology, and modern MRI techniques.

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Sabah Mohammed joined Glasgow University in 1979 for his graduate studies where he obtained his Post-Graduate Diploma and Masters in Computing Science. He continued his PhD graduate studies in Computer Science at Brunel University, London, UK where his PhD thesis was about developing an intelligent system for designing adaptive computer architectures. Subsequently, Dr. Mohammed joined several academic institutions as Assistant/Associate Professor of Computer Science (BU, Amman University, Philadelphia University, Applied Science University and HCT). During that time (1986-2001) Dr. Mohammed chaired several Computer Science and Information Systems departments including those at Philadelphia University, Applied Science University, HCT. Since late 2001, Dr. Mohammed has been a Professor of Computer Science at Lakehead University, Ontario, Canada. Dr. Mohammed also served as a Visiting Professor at Laurentian University, Department of Math and Computer Science during winter 2007. Currently Dr. Mohammed is also an Adjunct Research Professor at the University of Western Ontario (2009-2012). Dr. Mohammed has co-authored four text books on Compilers, Artificial Intelligence, Java Programming and Applied Image Processing. Dr. has published over 90 refereed publications and supervised numerous graduate students and has received research support from a variety of governmental and industrial organizations. Dr. Mohammed organized two international conferences as well as chairing several conference sessions and has been an IPC member of several notable conferences. Dr. Mohammed is the coordinator of the Northern Ontario Web Intelligence research group established in 2003. His research interests include Web Intelligence, Ubiquitous Computing,
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Francesco Paolucci (1977) is a health economist and research fellow at the Australian Centre for Economic Research on Health at the Australian National University. Prior to taking up his current post in 2007, he worked for five years as a researcher at the Institute of Health Policy and Management, Erasmus University of Rotterdam, where he wrote his PhD thesis entitled “The design of basic and supplementary healthcare financing schemes: implications for affordability and efficiency”. Since leaving Erasmus, Francesco’s work and research have focused on the economic analysis of healthcare governance in Australia, risk adjustment and managed competition, long-term care and aged-care, and on the economics of health information technology. His previous and current appointments include: Coordinator/lecturer of the course in “Competition policy in the health care sector” at Erasmus University Rotterdam (2007); Coordinator/lecturer of the course in “Health Insurance and Financing” at the Australian National University (2007); member of the iHEA Scientific Committee (2005); member of the risk adjustment network (2009).

Kalyan Sunder Pasupathy is an Assistant Professor in Health Management & Informatics in the School of Medicine at the University of Missouri. Dr. Pasupathy has a PhD in Industrial & Systems Engineering from Virginia Tech. Prior to joining University of Missouri, he worked for the American Red Cross, national headquarters in Washington DC for four years, where he was part of the operations research & analysis unit in corporate strategy. His work has been published in refereed journals and peer reviewed conference proceedings, and his research has been funded by various organizations. Along with his colleagues, he was awarded the Goodeve Medal in 2008 by the Operations Research Society at the Royal Society in London, UK for the development and implementation of a data envelopment analysis-based performance management system. He has also been recognized as a New Face of Engineering by the National Engineers’ Week Foundation in 2009.

Shmuel Reis, MD, MHPE, is a family physician to a stable patient population in Northern Israel within a regional integrated health and social services health center pioneered over 31 years ago. He is presently the Chairperson of the Division of Family Medicine and immediate past-chair of Medical Education in the Technion [Israel Institute of Technology] Rappaport Faculty of Medicine, Haifa, Israel. He also coordinated the Galil Center for Medical Informatics and Telemedicine in the same faculty.
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He is teaching and mentoring at all levels from student to practitioners in CME. He co-edited: *Patients and Doctors: Life-Changing Stories From Primary Care* (1999), and is the PI for an instruction and assessment of primary care physicians’ communication skills in the computerized environment research project, conducted in the Israeli National Simulation Center.

**Aviv Shachak** holds a Ph.D. in Information Science from Bar-Ilan University, Israel. Following a post-doctoral fellowship at Galil Center for Medical Informatics, Telemedicine and Personalized Medicine at the Technion-Israel Institute of Technology, he is now Assistant Professor in University of Toronto’s Department of Health Policy, Management and Evaluation (Faculty of Medicine) and Faculty of Information. His main research focus is the implementation and use of information systems in health care and biomedicine; in particular the organizational factors that influence the deployment and use of electronic medical records (EMRs) in primary care, the cognitive factors involved in their use during consultations, and their impact on communication and decision making processes. His work has been published in medical, health informatics, and information science journals including the Journal of General Internal Medicine, the International Journal of Medical Informatics and the Journal of the American Society for Information Science and Technology.

**Gulzar H. Shah** is a Senior Research and Evaluation Analyst, at the National Association of County and City Health Officials (NACCHO), and an adjunct Professorial Lecturer at the Department of Health Policy, George Washington University. Dr. Shah has an interdisciplinary training with bachelor’s degree in Mathematics, Masters in Statistics, another Masters Degree in Social Sciences and PhD in Sociology with Medical Sociology and Demography as areas of emphasis. His research interests include ways to address issues surrounding health data integration, analysis, reporting, and dissemination; measuring and reporting healthcare quality, safety and performance; reproductive health; gender issues; healthcare disparities, statistical methods in healthcare and public health research; and probabilistic record linkage of large healthcare data. Dr. Shah’s publications have appeared in top international journals, including Obstetrics and Gynecology, Population Research and Policy Review, Euro-Asian Journal of Applied Sciences, Journal of Public Health Management and Practice JPHMP, and European Journal of Scientific Research. In May of 2005, Dr. Shah was awarded a recognition Shield of “Distinguished Scholar for Outstanding Academic Research” by the European Journal of Scientific Research.

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**Melody Wolfe** is currently a psychology student at the University of Western Ontario specializing in Cognitive and Behavioural Neuroscience and 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 at 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.