



ADVANCES in HEALTH  
INFORMATICS CONFERENCE

# The Realities of eHealth

April 28 – 30, 2010

An International Conference Addressing Health Informatics Education and Research

School of Pharmacy | University of Waterloo | Kitchener, Ontario, Canada

National Institutes of Health Informatics

## AHIC 2010 Presenters



**Amit Acharya, B.D.S., M.S.**

*Dental Informatics Scientist, Biomedical Informatics Research Center*

As a general dentist and computer scientist, Dr. Acharya chose to pursue a doctoral degree in biomedical informatics. In his current role as a Dental Informatics Scientist at the Marshfield Clinic Research Foundation, his research focus is in EHR architecture, clinical datasets, information and terminology models and clinical decision support.

**Norm Archer, Ph. D.**

*Professor Emeritus,*

*DeGrotte School of Business, McMaster University*

Dr. Norm Archer is Professor Emeritus in the DeGroot School of Business at McMaster University, and Special Advisor to the McMaster eBusiness Research Centre (MeRC). His research interests are in the adoption and use of electronic health records, including issues of interoperability, electronic medical record system adoption by physicians, and personal health record systems for consumers.



**Donald Cowan, PhD**

*Distinguished Professor Emeritus,*

*University of Waterloo*

Donald D. Cowan is Distinguished Professor Emeritus of Computer Science at the University of Waterloo and Director of the Computer Systems Group. His research interests include health informatics and software engineering. He focuses on Web-based applications and the design and implementation of such applications in reducing the number of abstractions required to produce and validate them. He has a PhD in Applied Mathematics from the University of Waterloo. He is a member of the ACM, IEEE and CIPS.



**Oladimeji Farri**

*Graduate fellow, Institute for Health Informatics,  
University of Minnesota Twin Cities*

Oladimeji Farri is a graduate fellow currently in the PhD Health Informatics program at the Institute for Health Informatics, University of Minnesota. A physician by training, his research interests are in Clinical Decision Support Systems. He recently relocated from Nigeria to Minneapolis where he resides with his lovely wife, Folashade.



**Stacey Guy**

*I-THINK Research, Lawson Health Research Institute*

Stacey completed her Masters in Psychology with a specific focus on Health Promotion in South Africa. She is currently working at I-THINK Research (Innovative Translation of Health Informatics & Knowledge Research) as a research assistant to Dr Gwadry-Sridhar in London, Ontario.



**Vigdis Heimly**

*Norwegian Centre for Informatics in Health and Social Care*

Vigdis Heimly is a senior adviser at the Norwegian Centre for Informatics in Health and Social Care and a PhD-student at the Norwegian University of Science and Technology. She has been a project manager for larger projects as The Norwegian Standardization Programme for health informatics and the regional health net in Mid-Norway. Her PhD work is related to electronic collaboration between health workers that are involved in shared care across organizational boundaries.



**Amardeep (Nina) Joshi**

*Masters Student, University of Ontario Institute of Technology (UOIT)*

Amardeep (Nina) Joshi is a student at University of Ontario Institute of Technology (UOIT) pursuing her Masters in Health Informatics. She is part of the health informatics team and is involved in extensive research in the area of health information systems and information technology adoption in hospitals.



**Yuri Kagolovsky, MD, MSc**

*Professor, Conestoga College Institute of Technology and Advanced Learning,  
Kitchener, Ontario, Canada*

Dr. Kagolovsky is a medical doctor from the former USSR. He received his MSc from the School of Health Information Sciences, University of Victoria. He has been coordinating and teaching in a four-year health informatics Bachelor degree program and

two post-graduate certificates. His research interests include health informatics education and workforce development.



**Shigeki Kuwata, Ph.D.**

*Division of Medical Informatics, Tottari University Hospital, Japan*

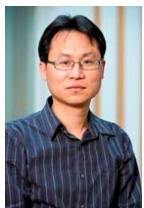
Shigeki Kuwata has been an assistant professor as well as a deputy director of the Division of Medical Informatics at Tottori University Hospital in Japan since 2003. His major research interests include development of hospital information systems, implementation of electronic patient records and risk management in hospitals.



**Kevin J. Leonard, MBA, PhD**

*Associate Professor, Department of Health Policy, Management and Evaluation (HPME), Faculty of Medicine, University of Toronto; Executive Director of IMPROVE-IT Institute; Research Scientist with the Centre for Global eHealth Innovation, University Health Network*

Kevin received his PhD from the Joint Doctoral Program in Montreal where he specialized in Statistics and Information Systems Theory for Business. He has two primary areas of research: (i) the implementation of electronic health records (EHRs) along with researching issues pertaining to the development and implementation of patient-focused information technology (Patient Health Records); (ii) the creation and implementation of metrics for performance measurement of the Information Technology (IT) investment within healthcare.



**Xiaodong Lin**

*Assistant Professor, Faculty of Business and IT, University of Ontario Institute of Technology (UOIT)*

Xiaodong Lin received his Ph.D in Electrical and Computer Engineering from the University of Waterloo (Canada) in June 2008 and Ph.D in Information Engineering from the Beijing University of Posts and Telecommunications (China) in June 1998. He is currently an assistant professor at the Faculty of Business and Information Technology, University of Ontario Institute of Technology, Canada. Dr. Lin's research interests include computer and network security, especially in the fields of wireless network security, secure vehicular communication, applied cryptography, security and privacy in e-healthcare systems, and computer forensics.



**Negin Mastouri**

*MSc eHealth Candidate, McMaster University  
Fellow, Centre for Innovation in Complex Care, University Health Network,  
University of Toronto*

Negin Mastouri is a qualified Iranian board certified physician specializing in infectious and HIV Medicine. She has a long standing and great deal of interest for a strategic, prescriptive "how-to" approach to improve physician performance in quality and service, in the use of Health IT to improve health outcomes, and to train physicians to drive organizational success. Dr. Mastouri immigrated to Canada in 2008 and decided to complete her postgraduate trainings in eHealth. She is now an MSc eHealth candidate at McMaster University and a fellow at the Centre for Innovation in Complex Care (CICC) at the University Health Network, University of Toronto.



**Carolyn McGregor, PhD, SMIEEE**

*Canada Research Chair in Health Informatics,  
Associate Professor, Faculty of Business and IT/Faculty of Health Sciences,  
University of Ontario Institute of Technology (UOIT)*

Dr. Carolyn McGregor is the Canada Research Chair in Health Informatics based at the University of Ontario Institute of Technology, Canada. Her Solution Manager Service (SMS) approach to decision support contains pioneering research in web services, event stream processing, multi-agent data mining and near-real time data warehouse loading. Her recent research focus has been the improvement and extension of that research within the context of health and medicine for advanced support for clinical management and research. In 2008 she was awarded a multi-million dollar IBM First of a Kind Research Award. In 2009 she received the IBM Infosphere Innovation award.



**Naomi Mensink, M.Ad.Ed.**

*Lecturer, Health Informatics, Faculties of Medicine and Computer Science Student  
Interdisciplinary PhD Program (Health Informatics),  
Dalhousie University*

Naomi Mensink is a student in the interdisciplinary PhD program (Health Informatics), at Dalhousie University, studying information use for patient-centred management of chronic conditions. She also holds an appointment as Lecturer in Health Informatics. Prior experience includes consulting in strategic planning and organization development; and healthcare human resources management internationally.



**Dr. Grace I. Paterson**

*Assistant Professor, Medical Informatics, Division of Medical Education, Faculty of Medicine, Dalhousie University*

Dr. Paterson's research focuses on electronic medical record systems adoption in primary care, pharmacists' use of a province-wide standards-based drug information system, and creating a boundary info structure for chronic disease management. She teaches health informatics in Dalhousie's Master of Health Informatics and Bachelor of Informatics programs and in medical/health education.



**Professor Peter Pennefather**

*Leslie Dan Faculty of Pharmacy, University of Toronto*

Professor Pennefather is academic director of the Laboratory for Collaborative Diagnostics. Current research focuses on the process of collaborative diagnostics and data sharing infrastructure used in health systems, with a particular focus on mapping biophysical data. He is also a member of Knowledge Media and Design Institute executive committee.



**Tom Rosenal, MD, FRCPC**

*Consultant, Alberta Health Services*

*Associate Professor Emeritus, University of Calgary*

Tom is a critical care physician with 27 years of clinical experience and over 30 years in clinical informatics. His roles have included Senior Applications Officer and Founding Medical Director of Clinical Informatics at the Calgary Health Region. He works in the areas of quality, decision support and adoption.



**Eric Sadowski**

*Masters Candidate,*

*Wilfrid Laurier University*

Eric Sadowski is currently pursuing his Master's degree in Geography at Wilfrid Laurier University and is working under the direction of Prof. Sean Doherty. He is a recipient of the Wilfrid Laurier University graduate scholarship. His research interests are in human monitoring techniques and how they may be applied in the homecare setting.

**Dr. Tony Sahama**, BSc, MPhil, PhD

*School of Information Technology, Faculty of Science and Technology,  
Queensland University of Technology, Australia*

Dr. Tony Sahama is currently a Senior Lecturer in Computer Science discipline at the Faculty of Science and Technology, QUT, Brisbane Australia and holds a PhD in Computer Simulation and Modeling. He is an active member in the Computer Science discipline on teaching and Research on Medical Informatics. Currently he is supervising several Medical Informatics research projects and publishes in HISA, HIKM and tier one journals. Tony holds a position of secretary for HISA Queensland and professional membership in IEEE, ACM, ACS & HISA.



**Dr. Titus Schleyer**, DMD, PhD

*Associate Professor and Director, Center for Dental Informatics  
University of Pittsburgh*

Titus Schleyer is an internationally known researcher in the field of dental informatics. He is currently Associate Professor and Director of the Center for Dental Informatics at the University of Pittsburgh. Since 1997, Dr. Schleyer has been a recipient of a training grant for dental informatics from the National Institute of Dental and Craniofacial Research. Dr. Schleyer conducts research in dental computer applications funded by the National Institutes of Health and publishes regularly on dental informatics topics in major journals. In 2009, Dr. Schleyer was elected to the American College of Medical Informatics.



**Dr. Brett Taylor**

*Emergency Pediatrician  
IWK Health Centre /Dalhousie University*

Dr. Taylor is an academic emergency pediatrician working at the IWK Health Centre /Dalhousie University in Halifax, Nova Scotia. He has recently completed a Masters in health informatics at Dalhousie. He has been the director and an active researcher. Dr. Taylor's informatics research interests include health care surveillance using both existing health care databases and patient entered data, health data visualization for acute care personnel, and acute care telemedicine.

**Kei Teramoto**

Tottori University, Japan

Kei Teramoto is a Ph.D. candidate at the Graduate School of Medical Sciences in Tottori University as well as a system engineer at SECOM SANIN Co., Ltd. He obtained his Master's degree in health science from Tottori University in 2010. His research interest includes the usability evaluation of EPR based on thin-client computing.



**Dr. Marianne Tolar**

*Assessment of Technology in Context Design Lab, School of Communication, Simon Fraser University, Burnaby, BC*

Marianne Tolar is a computer scientist with additional education in sociology. In her current work as post-doctoral fellow she uses qualitative methods to study the mutual shaping of work and supporting computer systems in healthcare referring to theories from computer supported cooperative work (CSCW) and science and technology studies (STS).



**Sara Urowitz, MA, MSW (RSW), PhD**

*Manager, Educational Informatics, ELLICSR - Cancer Survivorship Centre, Toronto General Hospital*

Dr. Sara Urowitz is the Manager of Educational Informatics and ELLICSR – Collaborative Centre for Health, Wellness and Cancer Survivorship at Princess Margaret Hospital/University Health Network, and an assistant professor in the Department of Psychiatry at the University of Toronto. She is engaged in projects that explore the use of information and communication technologies as a means for empowering people to become active participants in their own health care experience. As the professional lead on the CaringVoices.ca project, she led the expansion of the platform beyond breast cancer to support four different online communities.



**Dr. J. (Lisette) van Gemert-Pijnen**

*Associate Professor,  
University of Twente*

Dr. van Gemert-Pijnen founded and coordinates the Center for eHealth Research and Disease Management at the University of Twente. Her research addresses patient care and care coordination (professionalization, cost-reductions). Her focus is on interactive technology to support disease management and/or self-care management: web-based communication systems for shared care (care-management), e-coaching, e-consultation to enhance self-care and digital triage to enhance self-care and to realize cost savings.

**Wojtek Wiercioch**

*MSc Candidate, HRM Program  
McMaster University*

Wojtek Wiercioch is a Master's student in the Health Research Methodology Program at McMaster University. His research interests and studies in the Master's program have primarily focused on health services research methodology, clinical decision support and electronic health technologies.



**Dr. David Wiljer**

*Director of Knowledge Management and eHealth Innovation for Oncology Education and the Radiation Medicine Program  
Princess Margaret Hospital/University Health Network*

Dr. David Wiljer is the Director of Knowledge Management and eHealth Innovation for Oncology Education and the Radiation Medicine Program at Princess Margaret Hospital/University Health Network. He is an Assistant Professor and the Director of Continuing Education in the Department of Radiation Oncology in the Faculty of Medicine at the University of Toronto. David is the founding Chair of a national working group, the Canadian Committee for Patient Accessible Health Records (CCPAEHR), dedicated to involving patients in their EHR. With an expertise in knowledge exchange and impact assessment, he has led the research, development, implementation and assessment initiatives for cancer care.



**David Willson**

*Research Analyst  
Princess Margaret Hospital*

David Willson is a Research Analyst who is involved in several operational and research initiatives with the Educational Informatics program at Princess Margaret Hospital. In his role as a Research Analyst, David is involved in developing, implementing, and supporting several of the Patient Education and Survivorship's IT initiatives.



**Mike Wilson**

*M.Sc. eHealth Student, McMaster University*

Michael J. Wilson has an Honours B.A. in Anthropology, and three college diplomas in computer related studies. He is a Research Ethics Officer at McMaster University and a part-time graduate student in the McMaster M.Sc. eHealth program. His current interests are Global eHealth, Open Source Medical records, and Ethics in e-Research.



**Jianwei Yang**

*Graduate Student, Department of Computing and Software,  
McMaster University*

My area of research is E-Health and E-Commerce. Particular areas of interest are Software Architecture Design and Web based software implementation. I also have 10 years of working experience on software design and development.