11th International Congress on Nursing Informatics

Montréal, Canada June 23 – 27, 2012

Hilton Montréal Bonaventure

NI2012: Advancing Global Health Through Informatics

SPONSOR

HOSTED BY

COLLABORATING ORGANIZATIONS

ANI

ANIA-CARING
Connecting, Sharing, and Advancing Nursing Informatics

AQIISTI
ASSOCIATION QUÉBÉCOISE DES INFIRMIÈRES ET INFIRMIERS EN SYSTÈMES ET TECHNOLOGIES DE L'INFORMATION

bvs virtual health library

PAHO · WHO

CANADIAN NURSES ASSOCIATION

ASSOCIATION DES INFIRMIÈRES ET INFIRMIERS DU CANADA

ASSOCIATION CANADIENNE D'INFORMATIQUE DE LA SANTÉ

COACH™
CANADA'S HEALTH INFORMATICS ASSOCIATION
The Voice for Canadian Telehealth

CNIA
Canadian Nursing Informatics Association

GHiP
Global Health Informatics Partnership

NiHi CANADA
National Institutes of Health Informatics

Pan American Health Organization
Regional Office of the World Health Organization

NI2012 ADVANCING GLOBAL HEALTH THROUGH INFORMATICS

Dear Colleagues:

It is my pleasure to invite you to attend the 11th International Congress on Nursing Informatics (NI2012) sponsored by the IMIN-NI SIG in Montreal, Canada. The NI series of conferences is the leading gathering in the world for nurses, midwives, and others interested in the use of health information technology to improve global health. Held once every three years in a different area of the globe, the NI2012 Conference promises to advance the international field of health informatics while drawing attendance from leading professionals, organizations, and policy-makers world-wide. Our theme, *Advancing Global Health Through Informatics*, reflects the team-centered and interdisciplinary approach that is required to truly transform the health of our nations, our communities, and our patients. We have endeavored to increase the collaborative and diverse opportunities for attendees to learn from others – indeed, this is part of the richness of this particular Congress. With submissions from 38 different countries and a tremendous response to our call for presentations, this meeting promises to be very illuminating and educative.

Whether you are a novice or an expert in this growing field, NI2012 is the meeting for you. The congress provides a worldwide forum to inform, study, evaluate, innovate, and create an environment to gain and share knowledge that will give the attendee an opportunity to reach professional goals and impact health locally and globally through informatics innovations.

There are several reasons you should not miss NI2012:

- Attendees of NI2012 are collaborative and are generous in their sharing of information, knowledge, and research
- International leaders will examine the impact of Health Information Technology (HIT) and Information and Communication Technology (ICT) experience on practice, education, management, research, health policy, global health, and patient-centered care
- Education sessions will enable you to update your knowledge and skills related to trends, developments, and innovations in HIT, ICT, and e-Health
- You will gain insight into upcoming priorities and future directions for nurses and other members of the healthcare team in the expanding environment of HIT-enabled practice
- Network and make long-lasting connections with like-minded professionals committed to advancing global health

Come to Montreal June 23-27, 2012 and share in what I believe will be a fabulous world congress that will help you to personally transform and to carry the new knowledge and relationships back to the communities that you serve. We have a great deal to learn, a great deal to share, and I encourage you and your colleagues to join us. Together, we CAN change the world.

Sincerely,
Patricia Abbott, PhD, RN
NI2012 Congress Chair

#imiani2012

NI2012 LEADERSHIP

Dear IMIA-NI SIG family and colleagues,

As the chair of the IMIA-NI SIG and on behalf of the Board, it is my pleasure and honor to invite you to register and participate in NI2012 - the 11th International Congress on Nursing Informatics being held June 23-27, 2012 in Montreal, Canada.

IMIA-NI SIG is an organization established in 1983 to serve as an international forum to promote and enhance nursing informatics across countries, being responsible for hosting ten successful and remarkable congresses over nearly 30 years.

This congress in Montreal, sponsored by IMIA-NI SIG represents a unique opportunity to share experiences, exchange ideas, explore new possibilities and chase triumph! It is a tremendous team effort and we are confident that your participation in NI2012 will be rewarded!

Come with us to enjoy the conference, to visit Montreal and to have the exclusive pleasure of meeting old friends and making new ones in an environment of amity and harmony.

Heimar F. Marin
Chair, IMIA-NI SIG

Patricia Abbott – Congress Chair
Johns Hopkins University (USA)

SCIENTIFIC REVIEW COMMITTEE

Suzanne Bakken
Co-chair, Columbia University (USA)

Erika Caballero
Co-chair, Universidad Central de Chile (Chile)

Helena Blazun
University of Maribor (Slovenia)

Jennifer Chipps
University of KwaZulu-Natal (South Africa)

Leanne Currie
University of British Columbia School of Nursing (Canada)

Nick Hardiker
University of Salford (UK)

Kathryn Hannah
University of Utah, Canadian Nurses Association (Canada)

Michelle Honey
University of Auckland (New Zealand)

Roxana Maffei
Columbia University (USA)

Ivette Marciscano
University of Panama (Panama)

Luc Mathieu
University of Sherbrooke (Canada)

NURSE PLANNER

Mary Reagan
University of Maryland School of Nursing

EDITORIAL COMMITTEE

Patricia Abbott, Co-chair
Johns Hopkins University (USA)

Carola Hullin, Co-chair
IMIA LAC (Chile)

Swarna Bandara
University of the West Indies (Jamaica)

Lynn Nagle
University of Toronto (Canada)

Susan Newbold
Nursing Informatics Boot Camp (USA)

Claudine Ramirez
National Public Health Institute of Mexico City (Mexico)

ORGANIZING COMMITTEE

Judy Murphy, Co-chair
The Office of the National Coordinator for Health Information Technology (USA)

Lynn Nagle, Co-chair
University of Toronto (Canada)

Antonia Arnaert
McGill University School of Nursing (Canada)

Yoadis Cuesta García
Medical University of Havana (Cuba)

Grace Dal Sasso
Federal University of Santa Catarina (Brazil)

Heather Jones
Kempton Strategies (Canada)

Margie Ann Kennedy
Kennedy Health Informatics, Inc. (Canada)

Rosemary Kennedy
National Quality Forum (USA)

Carlos Hugo Leonzio
Favaloro Foundation University, Argentinean Association of Medical Informatics (Argentina)

Diane Skiba
University of Colorado-Denver, College of Nursing (USA)

Peggy White
Health Outcomes for Better Information and Care (Canada)

POST-CONFERENCE CO-CHAIRS

Polun Chang
National Yang-Ming University (Taiwan)

Cornelia Ruland
Oslo University Hospital (Norway)

NI2012 SCHEDULE-AT-A-GLANCE

FRIDAY, JUNE 22

8:00 am – 8:00 pm	Pre-congress Tours (additional registration required)

SATURDAY, JUNE 23

8:00 am - 5:00 pm	IMIA-NI SIG General Assembly Meeting
8:00 am - 8:00 pm	Pre-congress Tours (additional registration required)
9:00 am – 5:00 pm	IMIA Board of Directors Meeting
8:30 am - 4:30 pm	Pre-congress Tutorials (additional registration required)
5:00 pm - 7:30 pm	Workshops

SUNDAY, JUNE 24

8:30 am - 12:00 pm	Pre-congress Tutorials (additional registration required)
1:00 pm - 3:00 pm	Opening Session and Keynote Presentation
3:30 pm - 5:00 pm	Scientific Sessions
5:00 pm - 7:00 pm	Exhibition Hall Open (Welcome Reception)

MONDAY, JUNE 25

8:30 am - 10:00 am	Plenary Panel
9:00 am – 5:00 pm	Exhibition Hall Open
9:30 am – 12:00 pm	Poster Session 1
10:30 am - 12:00 pm	Scientific Sessions
1:30 pm - 3:00 pm	Scientific Sessions
1:30 pm – 4:00 pm	Poster Session 2
3:30 pm - 5:00 pm	Scientific Sessions

TUESDAY, JUNE 26

8:30 am - 10:00 am	Plenary Session
9:00 am – 3:00 pm	Exhibition Hall Open
9:30 am – 12:00 pm	Poster Session 3
10:30 am - 12:00 pm	Scientific Sessions
1:30 pm - 3:00 pm	Scientific Sessions
3:30 pm – 6:00 pm	Optional Tours (additional registration required)
6:30 pm - 9:00 pm	Gala Event (additional registration required)

WEDNESDAY, JUNE 27

8:30 am - 10:00 am	Scientific Sessions
10:30 am - 12:30 pm	Closing Session

Continuing education credit for nurses will be made available to attendees of NI2012 through AMIA and co-provider. Check the NI2012 website for more information in June 2012.

NI2012 THEMES AND TRACKS

Globalization and increasingly open flows of information are facilitating access to isolated areas where health needs are extreme - creating new channels and new opportunities for health and healthcare. Nurses, midwives, community health workers, and other professionals around the globe are contributing in significant ways, using informatics to impact care improvement, enhance professional practice, influence policy, and conduct research. Sharing the important contributions that are made as we strive to enable "Health For All" via Informatics is critical because the problems we face – while global in nature- are local and context specific, strongly related to social determinants such as economic and cultural factors, living and working conditions and individual behaviors. In coming together as a global community, we have an opportunity to showcase the plurality of solutions that have spawned from the collective wisdom within nursing and to other domains of healthcare. The education themes and tracks describe the content an attendee will find at NI2012.

Themes and Tracks

- Capacity building in poor resource settings
- Care coordination and communication
- Clinical decision support
- Data exchange standards
- Global health
- Healthcare workflow and process efficiency
- Improving informatics knowledge and skills of nurses, other health professionals, and other health workers
- Intersectoral capacity building through information and communication technology (ICT)
- Meaningful use of HIT to improve nursing care and patient outcomes
- Meeting information needs of nurses, other health professionals, and other health workers
- mHealth
- Nursing documentation systems
- Nursing knowledge representation
- Patient safety
- Personal health information management tools
- Practice-based knowledge generation
- System implementation
- System usability/computer-human interaction
- Technology adoption/acceptance
- Telehealth including distance education

WHO SHOULD ATTEND:

Individuals interested in health and health informatics in a variety of roles including:

- Nurses, other health professionals, and health workers
- Administrators, managers, and executives
- Informaticians
- Educators
- Government officials and policy makers
- Researchers
- Consultants and industry professionals
- IT professionals
- Students/Trainees

NI2012 KEYNOTE PRESENTATIONS

OPENING KEYNOTE SPEAKER

JUDITH SHAMIAN, RN, PHD

President and CEO
Victorian Order of Nurses

1:00 - 3:00 pm • Sunday, June 23, 2012

Judith Shamian, R.N., Ph.D., L.L.D. (hon), D.Sci. (hon), FAAN is currently the President and CEO of the Victorian Order of Nurses for Canada (VON Canada) and President of the Canadian Nurses Association. She is also a professor at the Lawrence S. Bloomberg, Faculty of Nursing at the University of Toronto and a co-investigator with the Nursing Health Services Research Unit and was the Executive Director of the Office of Nursing Policy at Health Canada for 5 years. Prior to that she was Vice President of Nursing at Mount Sinai Hospital in Toronto for 10 years and has held various academic positions since 1989.

As President and CEO of VON Canada, Judith has guided this 114 year old organization through a time of great transition and transformation to bring it under one organizational umbrella. This reorganized structure will allow VON to maintain its place as Canada's largest, not-for-profit, charitable home and community care provider through its next century of existence. In this role Judith is championing the home and community care agenda in Canada, as well as working to strengthen partnerships between formal health care providers, families and friends who provide care, volunteers and community organizations in order to recognize and support the entire spectrum of care.

KEYNOTE SPEAKER

VICTOR J. STRECHER, PHD, MPH

Professor, Schools of Public Health and Medicine
University of Michigan

8:30 - 10:00 am • Tuesday, June 26

Dr. Strecher graduated in 1983 with an M.P.H. and Ph.D. in Health Behavior & Health Education at the University of Michigan. After positions at the University of North Carolina, Dr. Strecher returned in 1995 to University of Michigan, where he became Professor of Health Behavior & Health Education, Director of Cancer Prevention and Control in the University of Michigan's Comprehensive Cancer Center and founded the Center for Health Communications Research.

Dr. Strecher's academic interests include research of interventions for health promotion, disease prevention and disease management. He has published over 100 journal articles and has been a leading investigator on over $45 million in grant-funded research studies. In 1998, Dr. Strecher founded HealthMedia Inc., an Ann Arbor-based company that disseminates digital health coaching interventions for health promotion and disease management to millions of users through health plans, employers, pharmaceutical companies and governments. In October, 2008, HealthMedia Inc. was purchased by Johnson & Johnson as their initial investment in the area of wellness and prevention. Dr. Strecher remains active in HealthMedia, Inc. and is a strategic executive consultant for Johnson & Johnson.

Sponsored by Elsevier/CPMRC

ELSEVIER
CPM Resource Center

CLOSING KEYNOTE SPEAKER

PATRICIA FLATLEY BRENNAN, RN, PHD

Professor
University of Wisconsin-Madison

10:30 am – 12:30 pm • Wednesday, June 27

Patricia Flatley Brennan, RN, PhD, is professor of nursing and industrial & systems engineering, University of Wisconsin-Madison. Currently Theme Leader of the *Living Environments Laboratory* at the Wisconsin Institutes for Discovery, Dr. Brennan received a Masters of Science in Nursing from the University of Pennsylvania and a PhD in Industrial Engineering from the University of Wisconsin-Madison. Following seven years of clinical practice in critical care nursing and psychiatric nursing, Dr. Brennan held several academic positions. She developed the ComputerLink, an electronic network designed to reduce isolation and improve self-care among home care patients and directed HeartCare, a WWW-based tailored information and communication service that helped home-dwelling cardiac patients recover faster, and with fewer symptoms. Dr. Brennan is National Program Director of Project HealthDesign, a RWJ- funded initiative designed to stimulate the next generation of personal health records. Additionally, directs the external evaluation of the SMArt initiative, a novel, distributed health information architecture that brings the power of an "Apps-store" model to electronic health records. She is fellow of both the American Academy of Nursing (1991) and the American College of Medical Informatics (1993). Dr. Brennan was elected to the of the Institute of Medicine in 2002, and in 2009 became an elected member of the New York Academy of Medicine. Dr. Brennan holds the Lillian Moehlman Bascom Professorship. Endowed by Mrs Moehlman, a librarian, the professorship expressed her gratitude to the nurses who devised many clever ways to assist her in managing her daily life tasks in spite of crippling arthritis. The professorship is intended to support the work of a nursing faculty member whose research finds efficient ways to deliver meaningful and relevant information into the hands of patients facing complex diseases.

NI2012 PANEL HIGHLIGHTS

PLENARY PANEL

Nursing Informatics: Perspectives from the Americas
Silvina Malvares, Pan American Health Organization/World Health Organization OPS/OMS; Pedro Urra González, Havana University; Erika Caballero, Universidad Central, Santiago; Carol Hullin, World Bank/IMIA-LAC; Charles Friedman (moderator), Univiersity of Michigan

This featured session includes a panel of the leading nursing informatics experts in the Americas. They will discuss the impact of informatics, Health IT (HIT) and ICT experience on nursing practice, education, management, research, health policy, global health, and patient-centered care in their respective regions of the world. This panel is sure to provide insight into upcoming priorities and future directions for nurses and other members of the healthcare team in the expanding environment of HIT-enabled practice based on the priorities of influential world health organizations.

OTHER PANELS

Research and Education in Health and Nursing Informatics: A Brazilian Experience
Heimar F. Marin, Federal University of Sao Paulo; Grace T. Dal Sasso, Federal University of Santa Catarina ; Denise T. Silveira, Federal University of Rio Grande do Sul; Heloisa H C Peres, University of São Paulo

This panel will present an overview of the strategies and initiatives that are underway in the field of Health and Nursing Informatics across Brazilian institutes. It will include information about legal rules in research.

Clinical Errors and Patient Safety: The Role of Decision Support Systems
Vimla L Patel, New York Academy of Medicine; Johanna Westbrook, University of New South Wales; Dawn Dowding, University of Leeds; Leanne M. Currie, University of British Columbia; Edward H. Shortliffe, AMIA

This panel will take up this challenge to consider medical errors and patient safety in a socio-technical context, focusing on the role of decision support systems in reducing errors, from a multidisciplinary perspective.

Using Mobile Health Technology to Support Informatics Innovations
Rebecca Schnall, Kenrick Cato, Columbia University; Victoria Tiase, NewYork-Presbyterian Hospital; Olivia Velez, Columbia University

In this panel, four nursing informaticians describe mHealth projects and associated evaluation results: Adolescents' Use of Mobile Devices for Accessing Personal Health Information; Mobile Decision Support for Advanced Practice Nursing; NewYork-Presbyterian Hospital (NYP) Mobile; and Design and Usability Testing of a mHealth Tool for Midwives in Rural Ghana.

Managing eHealth Change: People & Processes
Cassandra Frazer, Canada Health Infoway; Ian Hodder, Newfoundland & Labrador Centre for Health Information; Glen Paskiw, eHealth Saskatchewan; Cindy Hollister, Canada Health Infoway

This panel will describe the collaborative, grass roots manner in which change management leaders from across the Canada came together to create a pan-Canadian Change Management Network in order to share leading practices and establish a common platform of understanding, direction and action for Canadian eHealth change management practices.

OTHER PANELS

Achieving Meaningful Use of Health Information Technology: The Case of Fall and Injury Prevention
Leanne M. Currie, University of British Columbia; Patricia Dykes, Brigham and Women's Hospital; Judy Murphy, The Office of the National Coordinator for Health Information Technology; Evita I Ching Hou, National Taiwan University Hospital; Kaija Saranto, University of Eastern Finland

This panel will address barriers to evidenced-based healthcare in general and provide specific examples related to evidenced based fall and injury prevention in acute care hospitals and strategies for use of health information technology to improve communication of fall risk status and to support evidenced-based fall prevention practices will be explored.

From the Board Room to the Bedside: Top Down and Bottom Up Strategies for Health Information Technology Adoption
Ellen Harper, Cerner Corporation; Judy Murphy, The Office of the National Coordinator for Health Information Technology; Karlene Kerfoot, Kerfoot & Associates, Inc.

This panel outlines top down and bottom up innovations and proven success strategies in the implementations of current and future nursing focused HIT solutions and their potential to improve patient safety, quality and cost.

Discontinuity to Continuity of Care with HIT: International Dialogue1 the Patient Perspectives
Lena Sorensen, MGH Institute of Health Professions; Ragnhild Helleso, University of Oslo/Norwegian University of Science and Technology; Kathy Duckett, Partners HealthCare; Diane Ransom, MGH Institute of Health Professions/Dana Farber Cancer Center; Judith Webb, MGH Institute of Health Professions; Torunn Wibe, University of Oslo

This panel will represent the patient perspective in developing HIT that attempts to enhance continuity of care across levels of care based on the outcomes of an international workshop with fifteen researchers from the USA and Norway to examine their projects from a life cycle systems development and implementation perspective for providers and patients, paying particular attention to issues of culture and context role in outcomes.

The Next Generation – Clinicians in Training
Maureen Charlebois, Canada Health Infoway; Irving Gold, Association of Faculties of Medicine of Canada, Cynthia Baker, The Canadian Association of Schools of Nursing, Harold Lopatka, Association of Faculties of Pharmacy of Canada

In collaboration with the Association of Faculties of Medicine of Canada, the Canadian Association of Schools of Nursing and the Association of Faculties of Pharmacy of Canada – you will hear how faculty, students, and residents are engaging in these three-year initiatives to strengthen learning on effective clinical use of ICT to gain a better understanding of a national strategy and collaboration aimed at building sustainability and capacity to achieve adoption and benefits realization of ICT in clinical practice.

International Council of Nurses eHealth Programme
Claudia C. Bartz, University of Wisconsin-Milwaukee; Nicholas Hardiker, Salford University; Amy Coenen, Tae Youn Kim, University of Wisconsin-Milwaukee

This panel will discuss the proliferation of information and communication technologies worldwide has naturally become a critical phenomenon for healthcare, in all of its complexity examining the technological research and application; business strategies and operations; and professional education, research and practice all must be involved in "eHealth," or electronic health, in order to stay viable and competitive.

International Perspectives on Nursing Informatics
Susan K. Newbold, Nursing Informatics Boot Camp; Evelyn JS Hovenga, eHealth Education PTY; Heimar de Fatima Marin, Federal University of Sao Paulo; Lynn M. Nagle, University of Toronto; Hyeoun-Ae Park, Seoul National University; Kaija Saranto, University of Eastern Finland

In keeping with the NI2012 theme of advancing global health through informatics, this panel will bring together informatics nurses and their perspectives on nursing informatics from several continents reporting on advances in nursing informatics in South America, Canada, Europe, Asia, Australia, and New Zealand.

NI2012 PRE-CONGRESS TUTORIALS

SATURDAY, JUNE 23

8:30 am – 12:00 pm

Tutorial 1: Web Mining of Web 2.0 Social Media Data

Sunmoo Yoon, Columbia University

Emerging Web 2.0 social media such as Facebook and Twitter enable people to exchange extensively their daily health information with others. Millions of Web 2.0 social media users around the world share feelings, observation, and activities of their daily lives. This introductory half-day tutorial offers practical advice on web mining techniques such as content mining or structure mining and provides up-to-date information on web mining strategies.

8:30 am – 4:30 pm

Tutorial 2: Principles and Practices of Project Management for Informatics Nurses

Patricia Dykes, Partners HealthCare and Judy Murphy, Office of the National Coordinator on Health Information Technology

Today, nurses often find themselves as leaders and team members of clinical system implementation efforts, whether they are in clinical practice or working in information technology departments. Although many aspects of project methodology parallel the nursing process, these complex clinical system implementations usually require significant process changes in addition to technology deployment, so it is generally helpful to learn more about the structured approach to system implementation in order to increase the quality, efficiency and effectiveness of the implementation. This intensive full day tutorial is designed to give participants the essential principals, practices and tools of Healthcare Information Technology Project Management.

Tutorial 3: Nursing Involvement in the HL7 Standards Development Process

Susan A. Matney, 3M Health Information Systems; Gay Dolin, Lantana Consulting Group, LLC*; William Goossen, Results 4 Care; Laura Heerman-Langford, Intermountain Healthcare*

Nurses have been increasingly involved in the Health Level Seven (HL7) Development Process over the past ten years. Standards are a prerequisite to functionality of healthcare information systems and processes. HL7's vision is to create the best and most widely used standards in healthcare. Since nurses are the largest group of healthcare providers in the world it stands to reason that the more engaged nurses are in the standards specifications and development process the more functional our systems will be. This full-day tutorial will provide the attendees with an overview of the HL7 standards development organization, an understanding of the HL7 version 3 standards and how the standard are used and may be used in the future.

Tutorial 4: Visualizing Healthcare Communicating Healthcare Data with Tables, Graphs and Dashboards

Katherine S. Rowell, Katherine S. Rowell & Associates, LLC; Shirley J. Tierney, University of Massachusetts Medical School

This full-day tutorial will deliver that hard-to-find, hands-on training in the best use of tables and graphs, incorporating examples of actual healthcare data specific for the nursing audience. It's also interactive, with a combination of lecture and small group case study activities, and is designed to give participants the tools they need to present their healthcare data so that their accurate, effective message is loud and clear.

SUNDAY, JUNE 24

8:30 am – 12:00 pm

Tutorial 5: Human Factors for Nursing: Methods, Considerations and Approaches

Elizabeth M. Borycki and Andre W. Kushniruk, University of Victoria

Ensuring the effectiveness, safety and usability of health information systems that support nurses' work is an important area of focus for nursing informatics professionals. Improvements in human factors, usability and clinical workflow have been linked to higher rates of health information system adoption. On the other hand, issues associated with poor human factors have been increasingly associated with failures to adopt systems and health information systems safety issues (i.e. the introduction of new types of errors called technology-induced errors). This tutorial is designed to introduce some critical advances in usability engineering and human factors (including clinical workflow) that can be applied by nursing informatics professionals to improve the quality and safety of health information systems in their organizations. The tutorial will help nursing informatics professionals who are involved in the process of designing, developing, testing, procuring or implementing systems in hospital, community and clinic settings to identify potential human factors issues as well as to identify strategies for addressing these issues to improve the quality and safety of health information systems. Participants will work through some practical examples of how to improve the human factors, usability and clinical workflow of systems such as electronic health records, nursing information systems, medication administration systems and mobile applications in healthcare.

SUNDAY, JUNE 24

8:30 am – 12:00 pm

Tutorial 6: Introduction to Nursing Informatics

Nursing informatics is a broad field that involves use of information and communication technologies (ICTs) for health care related activities. Well-designed systems capture data as a byproduct of point-of-care activities and have a sufficient infrastructure to ensure that data can be re-used for decision support, for administrative purposes, and for research. This tutorial will be delivered in French and will provide an overview of nursing informatics concepts for individuals new or relatively new to informatics. Content will include core concepts of ICT, standards including terminologies, privacy, and infrastructure for health information exchange, human factors and workflow considerations, and decision support in the context of telehealth for remote communities, mobile health, personal health records and electronic health records. Tutorial participants will be provided with case studies that will exemplify content and facilitate an applied understanding of the materials.

This tutorial will be offered in English and French.

The faculty for the French language tutorial is Luc Mathieu, Sylvie Jetté, and Leanne Currie.

Tutorial 7: Modern Web Technologies, Social Networking and Healthcare

Yalini Senathirajah, Columbia University

This half-day tutorial will introduce attendees to some of the philosophical concepts, technical approaches, consequences and uses of modern participatory web approaches (sometimes called 'web 2.0') and their potential uses in healthcare. It will include live demonstrations, examples of innovations and emerging technologies, and a discussion of caveats, social consequences, healthcare implications, and approaches to innovation.

SUNDAY, JUNE 24

8:30 am – 12:00 pm

Tutorial 8: Evaluating Shared Decision-Making Instruments

Roxana M. Maffei, Columbia University

This half-day tutorial provides a review of key concepts in measurement and a summary of current recommendations for the selection, use, and continued development of existing instruments useful for clinical nursing research, with an emphasis on practical information for Shared Decision-Making. This tutorial is aimed at healthcare professionals who are knowledgeable in research methods and statistics but do not have extensive or recent experience with Shared Decision-Making instrument measurements.

Tutorial 9: Design and Conduct of Evaluation Studies in Informatics

Charles P. Friedman, University of Michigan

Evaluation is one of the fundamental activities of informatics. Evaluation studies can address a wide range of questions using a wide range of methods. Studies can focus on the structure and function of information resources themselves, the ways in which they are used, and their impact on patients, practitioners, and practice. Studies can be carried out before, during, and following the deployment of information resources. This tutorial is designed to support persons or groups who are designing, carrying out, or critically appraising an evaluative study of a health information resource. The tutorial will offer an introduction to the rigorous scientific methods underlying evaluation, in such a manner that they are understandable and practical to apply. The tutorial starts by defining evaluation and describing why we do it, then discusses alternative approaches and how to select between them. Participants will work through a case study to develop a deeper understanding of evaluation techniques and examine their strengths and weaknesses.

NI2012 PRE-CONGRESS TOURS

Friday, June 22 and Saturday, June 23

QUEBEC CITY DAY TRIP

Duration: 8:00 am – 8:00 pm | Price: $155.00 per person

2008 marked the 400th anniversary of this beautiful and historic city, founded in 1608 by Samuel de Champlain. It is a city of European charm, a nesting box of treasures at every corner, and an epicentre of Canadian history. Québec City was classified as a world heritage site by UNESCO in 1985 and is the only fortified city in North America!

MONTREAL FLAVORS TOUR

Duration: 9:00 am – 1:00 pm, excluding lunch |
Price: $140.00 per person

Montreal has often been dubbed the North American capital for French cuisine and can certainly be considered an epicentre of gastronomy in general! Discover the city from a different point of view, while our tour guide gives you historical background, you'll also learn about the ethnic influences on this culinary "community". From "Little Italy", to "Chinatown", and including the Greek, Portuguese and Jewish neighbourhoods, you'll visit some of the most popular food stops and try some of the local specialties.

MONTREAL DISCOVERY TOUR

Duration: 10:00 am – 1:00 pm | Price: $ 62.00

Discover some of Montreal's secrets and the many facets of a city that proudly blends past, present, and future. On this bus tour of Montreal, your guide will provide information and insight into the city's rich architectural and historical legacy and an overview of its main attractions, including Old Montreal and the Old Port, the downtown area and underground city, leading museums and cultural centers, to name but a few. Learn more about Montreal's multi-cultural heritage and its cosmopolitan blend of old and new!

THE OLYMPIC PARK AND BIODOME

Duration: 1:00 pm – 5:00 pm | Price: $ 97.00

Founded in 1931, the Montreal Botanical Garden ranks as one of the largest collections of flora in the world. It comprises 180 acres with over 22,000 species of plants and flowers, displayed in more than 30 thematic settings and 10 exhibition greenhouses.

OLD MONTREAL WALKING TOUR & POINTE-À-CALLIÈRE

Duration: 2:00 pm – 5:00 pm | Price: $ 58.00

Discover the birthplace of Montreal and one of the largest concentrations of 17th, 18th, and 19th century buildings in North America! On this walking tour, your guide will lead you through a maze of narrow cobblestone streets, providing historic commentary and interesting facts. This tour goes, rain or shine! Wear comfortable walking shoes and dress appropriately!

OPTIONAL EVENTS – TUESDAY, JUNE 26

MUSEE DES HOSPITALIERES DE L'HOTEL-DIEU DE MONTREAL

Duration: 4:00 pm – 5:30 pm | Price: $42
(bus will depart Hilton Montreal Bonaventure at 3:30 pm)

With a permanent exhibit featuring 350 art objects selected from a collection of 7000 exhibits focusing on its history, medicine and religious art, the Musee des Hospitalieres de l'Hotel-Dieu de Montreal does not merely speak of the past, but also offers an enlightened view of the present. History in the Museum begins with Jérôme Le Royer, a true visionary who chooses Paul de Chomedey and Jeanne Mance to establish a hospital on the island of Montreal.

SITE VISIT TO THE MCGILL UNIVERSITY HEALTH CENTRE (MUHC)

Duration: 4:00 pm – 6:00 pm | Price: $37
(bus will depart Hilton Montreal Bonaventure at 3:30 pm)

Theme: Preparing for the Future - MUHC's redevelopment project and Nurse's increasing use of information systems and technology

Purpose: Present the information systems and technologies being implemented by MUHC Nurses to increase quality of care and to prepare for the transition to a new state-of-the-art facility in 2014.

GALA EVENT

Duration: 6:30 pm - 9:00 pm | Price: $95

The Gala Reception and Dance Party will be held at the historic McGill Faculty Club on the final night of the Congress. It is a great opportunity to network with your colleagues and friends in a relaxed and fun atmosphere at the conclusion of NI2012.

NI2012 REGISTRATION RATES

All dates & times are eastern time zone and all prices are in US dollars.

REGISTRATION RATES

	ADVANCE (through May 17)	ON-SITE (May 18 and after)
Regular	$645	$745
Student	$245	$295
Webcast - Individual *	$305	$305
Webcast - Institution *	$700	$700
Gala Event	$95	$95

PRE-CONGRESS TUTORIAL REGISTRATION

Registration for tutorials is additional to the general symposium registration. Please note many tutorials are being held at the same time, so make sure to watch the times on the tutorials you choose to attend.

	ADVANCE (through May 17)	ON-SITE (May 18 and after)
Half Day	$95	$150
Full Day	$125	$180

REGULAR REGISTRATION fees cover all events except for pre-congress tutorials, pre-congress tours, and the Gala event. Registration includes CD-ROM proceedings, registration bag with materials, continental breakfast, morning and afternoon coffee breaks, and the Welcome Reception.

STUDENT RATES are for full-time students. They do not apply to part-time students. All students MUST present proof of student status by providing a letter from the university verifying current full-time enrollment in a degree or post-doctoral program at the time of NI2012 as well as expected graduation date.

CANCELLATION POLICY

Cancellation of a conference registration does not constitute cancellation of a hotel room. Please be sure to handle both separately. Cancellation and refund requests must be received by AMIA in writing. By May 3, 2012: Full refund minus $75 processing fee. Between May 4, 2012 and June 7, 2012: 50% refund. After June 7, 2012: No refund will be issued. However, registrations can be transferred to another member of your organization.

TRANSFER OF PAID REGISTRATIONS POLICY

Registrants who are unable to attend the congress may transfer their registration to another person. Transfer of registration must be in writing and received by the AMIA office by June 14, 2012 or presented on-site.

PAYMENT

All payments must be in US dollars. On-line registration is for credit card payment only. If you would like to pay by check, purchase order, or wire transfer, send or fax the print registration form to the AMIA office at +1-301-657-1296.

HOTEL INFORMATION

HILTON MONTREAL BONAVENTURE
900 de La Gauchetiere West
Montreal, Quebec H5A 1E4
+(514) 878-2332

Hilton Montreal Bonaventure is a unique penthouse oasis located in the heart of the city nestled amidst 2 ½ acres of landscaped gardens alive with playful ducks and winding brooks. Occupying the top two floors of Place Bonaventure, a 17-storey business and international exhibition complex, the Hilton Montreal Bonaventure offers the benefits of both a business and resort environment under one roof. An elevator ride from the hotel's lobby connects with Montreal's ever-expanding underground city, elegant boutiques, restaurants, theatres and art galleries. No need to worry about the weather! Short walks bring visitors to lively Ste-Catherine Street, Old Montreal, and its cobblestone alleys lined with cafes, the many historical sites, and museums.

Room rate: $209CAD plus tax single occupancy or double occupancy.

Reserve your room online at www.ni2012.org/hotel-information. You can also make reservations by calling the hotel directly at: +(514) 878-2332. Reservations received after May 28, 2012 or after block is filled (whichever comes first), are subject to availability and prevailing rates.

*** SPANISH AND ENGLISH LANGUAGE WEBCAST**

Each day select sessions will be simultaneously interpreted into Spanish and broadcast live in Spanish and in English via Adobe Connect. Login information will be distributed to registrants in advance of the congress.

WEBCAST EN ESPAÑOL

Cada día sesiones seleccionadas contarán con interpretación simultánea al español y la emisión en directo a través de Adobe Connect. Información de acceso será distribuida a los que se registraron antes del congreso.

20 - 23 2013. medinfo WILL TAKE PLACE AT BELLA CENTER IN WONDERFUL COPENHAGEN

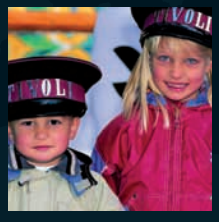
COPENHAGEN

medinfo2013

COPENHAGEN

www.medinfo2013.dk

TO SEEING YOU AT medinfo2013 IN COPENHAGEN, AUGUST WE LOOK FORWARD



MEETING SPONSORS

ANI

ANIA-CARING
Connecting, Sharing, and Advancing Nursing Informatics

CNIA
Canadian Nursing Informatics Association

Canada Health Infoway
Inforoute Santé du Canada

CIHI ICIS
Canadian Institute for Health Information
Institut canadien d'information sur la santé

ELSEVIER
CPM Resource Center

IMO®
Interface Terminology

NiHi CANADA
National Institutes of Health Informatics

nVoq™

RTI INTERNATIONAL

For more information on sponsorship and important networking opportunities, please contact Jonathan Grau at *jonathan@amia.org*

INFORMATICS PROFESSIONALS. LEADING THE WAY.

INDICIA

4720 Montgomery Lane, Suite 500
Bethesda, MD 20814

11th International Congress on Nursing Informatics

Montréal, Canada June 23- 27, 2012
Hilton Montréal Bonaventure

NI2012: Advancing Global Health Through Informatics

Vea la página 12 para obtener información sobre "Webcast" en español

SPONSOR

HOSTED BY