Theme of the conference: eHealth for all
Every level collaboration - From project to realization

PROGRAM
Message from the Scientific Committee

On behalf of the Scientific Program Committee, I extend a warm welcome to the IMIA-NI members, students, practitioners, informatics researchers, industry partners, and others interested in health and nursing informatics who have come to attend the NI 2016, 13th International Congress on Nursing Informatics.

NI 2016 is a biennial conference of the IMIA-NI and the leading scientific meeting for health and nursing informatics research and practice. NI 2016 presents work from not only the discipline of nursing but also many other disciplines and specialties including both basic and applied informatics.

The theme of NI 2016 is eHealth for all: Every level collaboration – From project to realization. The theme reflects the major challenges we face in healthcare today, that is the need to collaborate at every level to achieve our goal of Health For All. NI 2016 offers a variety of topics on the conference theme.

The mission of the Scientific Program Committee is to solicit for, evaluate and schedule NI 2016 conference program to be consistent with the goal of the IMIA-NI. We received 445 submissions for papers, posters, short communications, panels, workshops, demonstrations, student competitions and tutorials from more than 40 countries. Each submission was reviewed by three reviewers selected from a panel of more than 963 experts. Reviewers’ feedback was provided to the authors and every effort was made to ensure the best submissions given the constraints of the conference timetable. In the end, a total of 332 submissions were selected.

The result of the Scientific Program Committee’s activity is reflected in the Conference Program and Proceedings. Proceedings are open access full papers are indexed in MEDLINE, but also, workshops, panels, and posters summaries are published.

The Scientific Program Committee has prepared a wonderful program. We have six keynote speakers addressing the state-of-the-art for health and nursing informatics ranging from data, to healthcare delivery to the policy level. There are 24 paper sessions, 20 poster sessions, 23 panel discussions, 14 workshops, 1 demonstration, 8 tutorials and 6 student competitions to attend. The exhibit hall will provide attendees with the opportunity to learn about the latest products and services in health and nursing information and information technology. The NI 2016 is adding two new features, a Wearable Fashion Show and an Interoperability Showcase. The Wearable Fashion Show will present how technology and fashion can be merged for healthcare. The Interoperability Showcase will present how EHR Applications, Devices and Apps communicate patient data electronically using HL7 standards & IHE profiles. This showcase is jointly organized by the HL7 Nurses Work Group with HL7 PCWG EHRWG, CICWG and Associations such as IMIA-NI, ICN, HIMSS and IHE. I hope that all participants have the opportunity to learn from and network with others through tutorials, keynotes, paper sessions, poster sessions, panel discussions, and workshops and find new and exciting ideas to inspire them.

I am very grateful to the contributors for their contributions and the reviewers for providing expert reviews. I am especially grateful to Patrick Weber, Chair of the NI 2016 Local Organizing Committee and Maria Muller-Staub and Margie Kennedy, Co-chairs of the Scientific Program Committee for their leadership and strong support.

We are in Geneva, a lovely city in Switzerland. I hope you find some time before or after to enjoy this lovely city and country.

Hyeoun-Ae Park, PhD, RN, FAAN Chair, Scientific Program Committee
Professor in College of Nursing and Systems Biomedical Informatics Research Center
Seoul National University
Welcome to NI2016 – Welcome to Geneva

The local Organizing Committee is very proud to welcome you to Geneva - as the symbol of NI2016 shows, the city is home to a fountain called the "jet d'eau". The "jet d'eau" was originally intended for "waste product", it served as a pressure relief valve of a surge tank built in 1885. The pressurized water line of the power plant "Forces Motrices de la Coulouvrenière" (where the Gala Dinner will take place!) emerged in the last century.

The "jet d'eau" is a metaphor for NI2016 as its power can be found in NI2016, although not as a waste product but a product for Medical Informatics. With over 400 entries as lectures, posters and workshops, NI2016 is a major event which will ultimately contribute to important developments in Medical Informatics, especially for the inclusion of patients. A development towards the empowerment of patients, but also of nurses, shows the usefulness of new analytics tools and Big Data.

We look forward to seeing you in Geneva and are sure that you will meet many colleagues. Networking is one of the most important aspects in a congress and the CICG convention center offers many possibilities. You can meet in the exhibition and poster sessions as well as during the breaks, there is always an opportunity to see one another. The Gala Dinner is very particular. In a venue focused on last century's technology, we will enjoy culinary delights and have the opportunity to revive friendships and make new ones. The ticket is worth it.

NI2016 provides a new level of technology. It shows that there is more and more data generated by the patients themselves, which eventually has an impact on the course of care and treatment. The eHealth context increasingly puts the patient at the center of attention. This will be visible at the fashion show, on Monday evening, also open to the public. New technologies can help us consider various issues in a different way but also allow us to improve processes already in hand. As information can be exchanged faster, customized knowledge becomes more readily accessible and interdisciplinary connections are improved, patients have a closer following of their condition and treatment with their doctors and health care professionals.

Another important part of NI2016 is education. As new entrants, nurses are trained worldwide in the field of informatics. What knowledge is needed to collect everyday information, exchange and evaluate data? It is imperative that nurses learn to read and filter the immense flood of information they face in their daily work. This requires nurses being able to use the big data and use analytics tools. Such topics are reflected in various speeches and workshops.

Organization

Scientific program committee members

Board
Prof. Hyeoun Ae Park; Korea: Chair
Prof. Maria Müller-Staub; Switzerland: Co-Chair
Dr. Margie Kennedy; Canada: Co-Chair

Editorial Committee
Prof. Walter Sermeus; Belgium: Chair
Mrs Paula Procter; England: Co-Chair
Mr Patrick Weber; Switzerland: Co-Chair

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Social Media and Participatory Health Conference
Dr Luis Fernandes Luque; Qatar
Dr Miguel Angel Mayer; Spain

Local Organizing Committee (LOC)
Patrick Weber, Nice Computing SA, Le Mont-sur-Lausanne
Pierre Theraulaz, ICN, CHUV, Lausanne
Alain Junger, CHUV, Lausanne
Susanna Bürki Sabbioni, SSMI, Bern
Martin Lysser, University Clinic Balgrist, Zürich
Christian Lovis, University Hospital, Geneva
Evelyne Surrey, University Hospital, Geneva
Frederic Harlet, University Hospital, Geneva
Enrico Zuffi, Tourism & Convention Geneva
Barbara Schick, Assistant
18:30—19:15 Sunday June 26 2016 Room 1
Deploying eHealth: nurses are essential partners

Carmen Laplaza is, since November 2015, Deputy Head of Unit of the (ICT for) Health and Wellbeing unit within DG CONNECT, the Communications Networks, Content and Technology Directorate General of the European Commission. Prior to that, she was the Head of CONNECT Budget sector, where she was mainly dealing with the financial implementation of Horizon and FP7 Research framework programs. Before joining the European Commission in 2008, she held senior roles in financial and strategic departments of different sectors, such as retail, advertising and banking. She obtained a degree on economics in 1994 in the University of Navarra, Spain.

09:00—10:00 Monday June 27 2016 Room 2
Re-Imagining Care Delivery: The Power of Nursing Informatics

Dr. Marilyn Chow RN, Ph.D, FAAN from Kaiser Permanente is unable to attend NI2016 due to unexpected events. Judy Murphy from IBM accepts the heavy task to give her keynote speech.

18:20—19:20 Monday June 27 2016 Room 1
How e-patients are changing healthcare

Dave deBronkart, known on the internet as “e-Patient Dave,” is a survivor of Stage IV kidney cancer who has become an entertaining and informative keynote speaker, author, and policy advisor. His TED Talk “Let Patients Help” on TED.com/ePatientDave received a standing ovation.

Before his cancer Dave worked in high tech so he is keenly aware of how information can transform an industry by giving citizens new tools. He will speak about how health IT and personal health data are already empowering patients around the world to be better partners in their health and care. The public is invited.

09:00—10:00 Tuesday June 28 2016 Room 2
Power of data for change

Dr Frances Hughes was appointed as Chief Executive Officer of the International Council of Nurses in February 2016. Immediately prior to this, she held the role of Chief Nursing and Midwifery Officer, Queensland, Australia, and also served as Chief Nurse for New Zealand. From 2005-2011, Dr Hughes worked for the World Health Organization with 16 countries in the Pacific region, supporting them to develop policy and plans to improve mental health for consumers in the Pacific. Qualified as a general and psychiatric health nurse, Dr Hughes has a Doctor of Nursing degree from the University of Technology, Sydney. She has held senior roles for many years across a range of organisations and served as the Commandant Colonel for the Royal New Zealand Nursing Corp. Dr Hughes has an extensive publication record and has received several awards for her work.

13:40—14:40 Tuesday June 28 2016 Room 2
BigData and Health : Hopes and challenges

Christian Lovis is professor of clinical informatics at the University of Geneva and leads the Division of Medical Information Sciences at the Geneva University Hospitals. He is a medical doctor trained in Internal Medicine with special emphasis on emergency medicine, is graduated in public health from the University of Washington, Seattle, USA. In parallel to medicine, he studied biomedical informatics at the University of Geneva, focusing on clinical information systems and medical semantics. He led the development of the computerized patient record for the university and public health sector of Geneva. Christian is the author or co-authors more than 150 publications focusing on semantics and interoperability in health big data; Clinical information systems and advanced human-machine interfaces, including bio-captors. He is editorial board member of major peer-reviewed journals in medical informatics, such as the Journal of the American Medical Informatics Association (JAMIA), PLOS One, the Journal of Medical Internet Research (JMIR), and Applied Clinical Informatics (ACI). Christian is the European representative and vice-chair of the board of managers of HIMSS Global and member of the board of innovation of GS1, co-chair of the Architecture and standard working group of e-Health-Suisse. He is co-founder of three startups.
Our Guest for Keynote speech

Heimar de Fatima Marin has devoted her professional career to improving patient care using information and communication technologies. She is Professor and Director of the Graduate Program in Health Informatics at the Federal University of Sao Paulo (UNIFESP). Heimar Marin is former President of the Brazilian Society of Health Informatics, former Chair of the International Medical Informatics Association Nursing Informatics Special Interest Group and an International Fellow of the American College of Medical Informatics. She has over 250 publications and 13 books. As a professor, she has mentored over 20 PhD students, 32 Masters students, and 85 specialists in health and nursing informatics. She is a Fellow in Clinical Computing at the Center for Clinical Computing at Harvard Medical School and Editor-in-Chief of the International Journal of Medical Informatics.

The venue is at
CICG (Centre International de Conférence Genève)
Rue Varembé 17, 1211 Geneva 20 — Phone Nr +41 22 791 91 11

Conference Center is Open
- Sunday from 07:30 to 21:00
- Monday from 07:30 to 23:00
- Tuesday from 07:30 to 19:30
- Wednesday from 07:30 to 14:30

Program
In this program you have different colours in the writing
- Black letters = normal session
- Red letters = meetings on invitation or not
- Blue letters = Simultaneous translated in French and German

Green square = Social Media & Participatory Health Conference

Opening, plenary sessions, blue session, student contest, fashion show, closing are translated. At the end of this program you have the French and the German version of the sessions.

Swiss presentations have a small Swiss flag 🇨🇭

Ambulance call 144  Police call 117  Fire call 118

Badges
All attendees will receive a badge with their name and a GS1 code indicating what accesses they are allowed. You have to wear your badge all the time. Each replacement of a badge will be charged CHF 50.

At the entrance your badge will be scanned anonymously to check if you are allowed to attend.
At every session your badge will be scanned anonymously to create a statistics about attendees for each session.

On the cellphone application « Online Registry » for the program, you have an option for badge scanning. This is not anonymized the person who scan your badge will receive an email with your name and email address.

The first rectangle in the badge indicates
- Administration
- Chair person
- Presenter
- Author
- Participant

Other positions of the rectangle
- The position of the green rectangle indicates which day you’re participating.

The IOS or Android APP issued from Webtek gives you following facilities:
1. The whole program is available
2. You can organize your own schedule
3. You can evaluate the session you are listening to.
4. You have the information about the location of the session room (blueprint)
5. You can keep contact with persons you meet in scanning the badge (menu ticket)
   - Once scanned you can send coordinates to your email address

WIFI
Wifi is free to use in the whole building user name: NI2016 password: welcomeoni

Generalities
You are not allowed to take food into the session or meeting rooms
Persons with white medical coats are available to help you.
Posters are in place during the whole conference.
Thank you to our PARTNERS

08:00—16:00 Room 6
General Assembly IMIA NI
Upon invitation

09:00—12:00 Room 3
Public Health Information System: Priorities and Practices for Successful Deployments
Martin Pearce Gevity Consulting Inc.
Abstract: A fast-paced workshop designed for senior public health decision makers and clinical leaders implementing information systems to support delivery of public health programs. The tutorial will introduce public health information systems and provide best practices for implementing solutions related to immunization, communicable disease case management and outbreak management. Using a combination of formats, the tutorial will: Highlight key functionality of public health information systems. Review global crises currently exposing gaps and deficiencies in public health information. Examine governance, planning, and implementation priorities. Highlight considerations supporting implementations nationally and in special populations. Provide real, actionable lessons learned to take away and apply in the real world.
Keywords: Public Health Information Systems, Communicable Disease, Immunizations, Best Practices

09:00—12:00 Room 4
Analytic Strategies of Streaming Data for eHealth
Organizer: Sunmoo YOON, RN, PhD Columbia University, School of Nursing, Division of General Medicine
Abstract: New analytic strategies for streaming big data from wearable devices and social media are emerging in ehealth. We face challenges to find meaningful patterns from big data because researchers face difficulties to process big volume of streaming data using traditional processing applications.1 This introductory 180 minutes tutorial offers hands-on instruction on analytics (e.g., topic modeling, social network analysis) of streaming data. This tutorial aims to provide practical strategies of information on reducing dimensionality using examples of big data. This tutorial will highlight strategies of incorporating domain experts and a comprehensive approach to streaming social media data.
Keywords: Streaming data, big data, social network analysis, topic modeling, data mining

09:00—12:00 Room 5
NI Continuing Education Replicating a U.S. Model In Other Countries?
Carol J. BICKFORD ICCE, LLC Kathleen SMITH, ICCE, LLC
Abstract: The need for nursing informatics continuing education is ongoing as informatics nurses and informatics nurse specialists are expected to be lifelong learners. This tutorial will explore how a very successful U.S. model, Weekend Immersion in Nursing Informatics (WINI), might be considered for replication in other countries. Details about the initial course design, presentation content outline, and sustainability will be shared. Participant input and discussion will be an integral component of this tutorial. The target audience includes informatics nurses, professional development and academic faculty, and those creating interprofessional informatics education programs.
Keywords: Continuing education, nursing informatics, scope and standards of practice
13:00—16:00 Room 2

The need for a global language – SNOMED CT introduction

Jane Millar  Ian Green International Health Terminology Standards Development Organisation (IHTSDO)

Abstract: SNOMED CT is the most comprehensive, multilingual clinical healthcare terminology in the world. It is a resource with comprehensive, scientifically validated clinical content. SNOMED CT enables consistent, processable representation of clinical content in electronic health records. When implemented in software applications, SNOMED CT can be used to represent clinically relevant information consistently, reliably and comprehensively as an integral part of producing electronic health information. SNOMED CT supports the development of comprehensive high-quality clinical content in health records. It provides a standardized way to represent clinical phrases captured by the healthcare professional and enables automatic interpretation of these. SNOMED CT is a clinically validated, semantically rich, controlled vocabulary that facilitates evolutionary growth in expressivity to meet emerging requirements. SNOMED CT based clinical information benefits individual patients and clinicians as well as populations and it supports evidence-based care. SNOMED CT is a clinically validated, semantically rich, controlled vocabulary that facilitates evolutionary growth in expressivity to meet emerging requirements. SNOMED CT based clinical information benefits individual patients and clinicians as well as populations and it supports evidence-based care. SNOMED CT based clinical information benefits individual patients and clinicians as well as populations and it supports evidence-based care. SNOMED CT based clinical information benefits individual patients and clinicians as well as populations and it supports evidence-based care.

Keywords: SNOMED CT, Nursing, ICN, Interoperability, Terminology

13:00—16:00 Room 3

Understanding New Types of Evidence Ready for Translation into Nursing Informatics

Dr Kathleen McCormick, SciMind, LLC, US

Abstract: Nurses are the primary deliverers of patient care and observers of patient side effects to medications. The primary objective of this tutorial is to bring the participants up to date in genomic applications for nursing from birth until death. A secondary objective is to define at least 17 pharmacogenomics evidence guidelines ready for implementation into the Electronic Health Record. The target audience are nurses in practice, implementers of EHRs, nursing in leadership and policy-making positions, those focused on defining new areas for nursing research, and educators who are in need of defining criteria for integrating genomics into nursing education.

Keywords: Evidence-based practice, genomics, pharmacogenomics, nursing observations of adverse effects, integration

13:00—16:00 Room 4

Human Factors for Nursing: From In-situ Testing to Mobile Usability Engineering

Andre W. KUSHNIRUK, Elizabeth M. Borycki; Terje SOLVOLL; Carola HULL

Abstract: The tutorial goal is to familiarize participants with human aspects of health informatics and human-centered approaches to the design, evaluation and deployment of both usable and safe healthcare information systems. The focus will be on demonstrating and teaching practical and low-cost methods for evaluating mobile applications in nursing. Basic background to testing methods will be provided, followed by live demonstration of the methods. Then the audience will break into small groups to explore the application of the methods to applications of interest (there will be a number of possible applications that will be available for applications in areas such as electronic health records and decision support, however, if the groups have applications of specific interest to them that will be possible). The challenges of conducting usability testing, and in particular mobile usability testing will be discussed along with practical solutions. The target audience includes practicing nurses and nurse researchers, nursing informatics specialists, nursing students, nursing managers and health informatics professionals interested in improving the usability and safety of healthcare applications.

Keywords: Usability, usability engineering, human factors, in-situ, mobile, patient safety

13:00—16:00 Room 5

User-Centred Design using Gamestorming

Dr Leanne Currie; Dr J. Craig Phillips; Charlene Ronquillo; Derek Roswell

Abstract: User-centered design (UX) is becoming a standard in software engineering and has tremendous potential in healthcare. The purpose of this tutorial will be to demonstrate and provide participants with practice in user-centred design methods that involve ‘Gamestorming’, a form of brainstorming where ‘the rules of life are temporarily suspended’. Participants will learn and apply gamestorming methods including persona development via empathy mapping and methods to translate artefacts derived from participatory design sessions into functional and design requirements.

Keywords: User-centred design, end-user design, participatory design, usability
Opening Ceremony Room 1

Welcome from the Ministry of health Geneva
Mr. Mauro Poggia

Mr. Pascal Strupler
Director-General of the Federal Office of Public Health

Dr. Frances Hughes
ICN Chief Executive Officer

Dr. Hernan Montenegro
WHO Coordinator, Organization and Clinical Interventions Unit, Delivery and Safety Department

Mr. Adrian Schmid
Director of eHealth Suisse

Mr. Mauro Poggia
eHealth in Geneva

Prof. Hyeoun Ae Park
President of IMIA, Chair of the Scientific Program

Mrs. Lucy Wesbrooke
Chair of IMIA NI

Prof. Diane Skiba
Nursing leadership Award 2016

Prof. Marianne Talberg
Awarded Pioneer in Nursing Informatics

18:30 — 19:30 room 1

Opening Keynote speech
Deploying eHealth: nurses are essential partners
Carmen Laplaza Santos

Carmen Laplaza is, since November 2015, Deputy Head of Unit of the "(ICT for) Health and Well-being" unit within DG CONNECT, the Communications Networks, Content and Technology Directorate General of the European Commission.

Welcome cocktail
Offered by Geneva State and NI2016
19:30—20:30
09:00 — 10:00 Room 2  
Keynote speech
Re-Imagining Care Delivery: The Power of Nursing Informatics
Judy Murphy gives Dr Marilyn Chow speech

Judy Murphy accepts to deliver Dr. Marilyn Chow RN, Ph.D, FAAN from Kaiser Permanente speech. Marilyn apologize not being able to attend due to unexpected events.

10:00 — 10:40 coffee break and Poster presentation (details in poster part)

10:40 — 12:20 Room 3
10:40 - 11:00: Determining optimal nursing resources in relation to functions during the Oulu University Hospital nurse staffing management project (P Liljamo, P Lavander, P Kejonen)
11:00 - 11:20: Project Management: Essential Skill of Nurse Informaticists (C Sipes)
11:40 - 12:00: Tripartite Governance: Enabling Successful Implementations with Vulnerable Populations (MA Kennedy)
12:00 - 12:20: Strategic deployment of clinical models (W Goossen)

10:40 — 12:20 Room 4 Social Media & Participatory Health Conference
Opening of the satellite conference Social Media & Participatory Health Conference
10:45 - 11:00: Social media training for professional identity development in undergraduate nurses (C Mather, E Cummings, L Nichols)
11:00 - 11:20: Quality Evaluation of Nursing Observation based on a Survey of Nursing Documents using NursingNA-Vi® Contents in JAPAN (S Tsuru, M Omori, m inoue, F WAKO)
11:20 - 11:40: Digital Patient Modelling for Exploiting Social Media and Sensor Data in Clinical Decision Support (K Denecke)
11:40 - 12:00: Development of an Online Platform to Support the Network of Caregivers of People with Dementia (R Verwey, M van Berlo, S Duymelinck, S Willard, E van Rossum)
12:00 - 12:20: Social Media use among Nurses (AA Cordos, SD Bolboaca)
Panels and Workshops

10:40—12:20 Room 14

Accelerating the Global Workforce Demand for Nurse Informaticians: Advanced Health Informatics Certification (AHIC)

Cynthia GADD, Connie W, Delaney, Heimar de Fátima Marin, Karen Greenwood, Jeffrey J. Williamson

Abstract: Advances in professional recognition of nursing informatics vary by country but examples exist of training programs moving from curriculum-based education to competency-based frameworks to produce highly skilled nursing informaticians. This panel will discuss a significant credentialing project in the United States that should further enhance professional recognition of highly skilled nurses matriculating from NI programs as well as nurses functioning in positions where informatics-induced transformation is occurring. The panel will discuss the professionalization of health informatics by describing core content, training requirements, education needs, and administrative framework applicable for the creation of an Advanced Health Informatics Certification (AHIC).

Keywords: Clinical Competence; Informatics; Health Education; Workforce Development

Panels and Workshops

10:40—12:20 Room 16

How to Prepare a Nursing Informatics Conference Submission

Dr Kaja Saranto, Dr Elizabeth M. Borycki, Dr Indra Neil Sarkar

Abstract: This workshop aims to demystify the process of submitting papers to Nursing Informatics and MEDINFO Congresses for international authors. During the workshop the authors of this proposal will focus on the characteristics of NI and MEDINFO congresses, principles of scientific writing, requirements of submission formats, and criteria used for assessing submissions. The workshop will be of special interest to those who are planning on submitting a paper, poster, or workshop to future Nursing Informatics and MEDINFO conferences. As part of this the workshop, authors and participants will discuss and share their experiences in submitting papers to NI and MEDINFO conferences and the workshop authors will provide suggestions on how to improve the papers.

Keywords: Scientific writing, publication, health and nursing informatics

Panels and Workshops

10:40—12:20 Room 17

Nursing and eHealth: Are we preparing our future nurses as automatons or informaticians?

Michelle Honey, Paula M Procter, Marisa L. Wilson, Anne Moen, Grace T M Dal Sasso

Abstract: The Education Working Group of IMIA NI present this thought provoking panel where the changing and challenging role of nursing will be explored within the information intensive eHealth arena. The session will be of interest to any nurse as the discussion will be driven by the objective of trying to understand how best to prepare nurses to be actively engaged in information and communication technology (ICT) developments that enhance care assessment, delivery, evaluation and audit. As a balance, the discussion will consider the increasing emergence of ‘nursing by numbers’ where risk assessment tools are used in an automatic way leaving little room for individual evidenced based care.

Keywords: Education, competencies, risk assessment, care, ICT

Panels and Workshops

10:40—12:20 Room 15

MonDossierMedical.ch

The Personal Health Record for every Geneva Citizen

Aurélie Rosenberg, Adrian Schmid, Olivier Paut

Abstract: MonDossierMedical.ch is a project led by the canton of Geneva, making it possible for every patient to access his own electronic health record (EHR) and to share the medical files with his doctors. It was introduced across the canton in mid-2013, and provided to all patients free of charge. It is based on the first Swiss-wide eHealth-compliant pilot project "e-toile". The canton of Geneva developed "e-toile" as a public-private partnership together with Swiss Post and it was launched in 2011 in some of the canton’s municipalities. Back then, Geneva’s EHR represented the first Swiss attempt to link all healthcare professionals in the treatment chain. Today, it serves more than 6,000 patients and 400 physicians. This number is growing regularly, as well as the health care institutions (private hospitals, labs) joining the community.

Keywords: MonDossierMedical.ch, Electronic Health Record EHR, e-health, Geneva, Shared Care Plan, Shared Medication List

Panels and Workshops

10:40—12:20 Room 15

MonDossierMedical.ch

The Personal Health Record for every Geneva Citizen

Aurélie Rosenberg, Adrian Schmid, Olivier Paut

Abstract: MonDossierMedical.ch is a project led by the canton of Geneva, making it possible for every patient to access his own electronic health record (EHR) and to share the medical files with his doctors. It was introduced across the canton in mid-2013, and provided to all patients free of charge. It is based on the first Swiss-wide eHealth-compliant pilot project "e-toile". The canton of Geneva developed "e-toile" as a public-private partnership together with Swiss Post and it was launched in 2011 in some of the canton’s municipalities. Back then, Geneva’s EHR represented the first Swiss attempt to link all healthcare professionals in the treatment chain. Today, it serves more than 6,000 patients and 400 physicians. This number is growing regularly, as well as the health care institutions (private hospitals, labs) joining the community.

Keywords: MonDossierMedical.ch, Electronic Health Record EHR, e-health, Geneva, Shared Care Plan, Shared Medication List
Patient Engagement: Opportunities and Challenges for Nursing and Health Care Professionals

Dr. Mervat Abdelhak; Dr Marion Ball; Bonnie Cassidy; Dr. Bjoern Sellemann

Abstract: Patient (citizen) engagement argued as a critical initiative for the transformation of health care and improving health outcomes. Health care is experiencing patients that have expectations for value, transparency, choice, and engagement. However, meaningfully engaging patients in their own health care has often proven to be difficult. This panel will present commentary, research and educational initiatives, representing multiple and global perspectives on patient engagement. Global efforts in education to prepare the needed workforce will also be addressed. The audience will have an opportunity to share multiple perspectives and experiences within the panel framework.

Keywords: Patient (citizen) engagement, e-health, mobile health, technology and data enablers, research results, competencies, roles for nursing and health care professionals

Panels and Workshops

10:30—17:30 Room 12
Health on the Net Foundation meeting
Only upon Invitation

12:20—13:40 Lunch
Poster presentation (details in poster part)

12:20—13:40 Room 19
Elsevier
Focus group event led by Michelle Troseth
### Panels and Workshops

#### 13:40—15:20 Room 7-8

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>13:40-14:00</td>
<td>Using the Virtual Reality World of Second Life to Promote Patient Engagement (E Weiner, P Trangenstein, R McNew, J Gordon)</td>
</tr>
<tr>
<td>14:00-14:20</td>
<td>The Development Process of eHealth Strategy for Nurses in Finland (O Ahonen, P Kouri, UM Kinnunen, K Juntila, P Liljamo, D Arifulla, K Saranto)</td>
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<tr>
<td>14:20-14:40</td>
<td>Issues for deployment of mobile learning by nurses in Australian healthcare settings (C Mather, E Cummins)</td>
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<td>14:40-15:00</td>
<td>Promoting mHealth in Nursing Practice in China (Y Liu, Y Wu, Y Gong)</td>
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<tr>
<td>15:00-15:20</td>
<td>Medication information flow in home care (T Norri-Sederholm, K Saranto, H Paakkonen)</td>
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#### 13:40—15:20 Room 13

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<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>13:40-14:00</td>
<td>Using Dashboard Technology and Clinical Decision Support Systems to Improve Heart Team Efficiency and Accuracy: Review of the Literature (S Clarke, M Wilson, M Terhaar)</td>
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<tr>
<td>14:00-14:20</td>
<td>Checking the quality of Detailed Clinical Models: instrument application (D van Munster, I Krediet, W Goossen)</td>
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<tr>
<td>14:20-14:40</td>
<td>A Quantitative Study Investigating the Effects of Computerised Clinical Decision Support in the Emergency Department (P Bennett, N Hardiker)</td>
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<tr>
<td>14:40-15:00</td>
<td>An analysis of the factor model on the workload of nursing staff using a hospital management tool (K Sate, K Yamashita, M Goshima, T Kurodai, Y Kinosada, A Seiyama)</td>
</tr>
<tr>
<td>15:00-15:20</td>
<td>A Study on The effectiveness of XMOOC teaching in improving practical nursing teaching (HW Zhou, W Qiu, JY Zhu, WJ Gong, WW Le, J Fen)</td>
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#### 13:40—15:20 Room 14

**Nursing Informatics Competencies: Psychometric Validation, Dissemination, and Maintenance of Self-Assessment Tool for Nurse Leaders**

Dr Andrew B. Phillips; Dr Po-Yin Yen; Mary Kennedy; Dr Sarah Collins

**Abstract:** Due to rapid advances in technology, HIT competencies for nursing leaders require frequent attention and updating from experts in the field to ensure relevance to nursing leaders' work. This workshop will target nursing informatics researchers and leaders to: 1) learn methods and findings from a study validating a Self-Assessment Scale for Nursing Informatics Competencies for Nurse Leaders, 2) generate awareness of the Self-Assessment scale, 3) discuss strategies for maintenance of competencies overtime and 4) identify strategies to engage nursing leaders in this pursuit.

**Keywords:** Informatics competencies, self-evaluation tool, psychometric testing, factor analysis

#### 13:40—15:20 Room 15

**Continuity of Care: sharing the medication treatment plan**

Stéphane SPAHNI University Hospitals of Geneva

**Abstract:** The shared medication treatment plan is a key element for supporting the continuity of care. Indeed a substantial amount of emergency hospitalization is linked to medication – 5% to 10% according to some studies. Methods and tools helping all healthcare providers to have a better knowledge of the complete medication plan are therefore required in order to limit side effects linked to an insufficient knowledge of what the patient is taking. The workshop intends to present various initiatives and open the discussion about the limits, pros and cons of various initiatives.

**Keywords:** Continuity of care, medication, shared treatment plan
13:40—15:20 Room 16

Advancing nursing informatics in the next 5-10 years: What are the next steps?
Pr Connie White Delaney; Joyce Sensmeier; Pr Heimar de Fátima Marin; Pr Hyeoun-Ae Park; Dr Patti Abbott

Abstract: Objective: This panel will explore expert perspectives on what is needed to advance nursing informatics (NI) based on results of an international survey conducted by the IMIA-NISIG Student Group in 2015. This panel will build on results of the survey’s thematic analysis findings, highlighting: research, practice, education, collaboration, and visibility, as key areas needing action. Scope: Each expert panelist will speak to one of the identified themes in the context of the survey results. Each panelist will then provide perspectives on additional areas of opportunities, potential challenges, and offer actionable recommendations.

Target audience: nursing informatics leaders, educators, policymakers, researchers, clinicians, students.

Keywords: Nursing informatics trends, research, practice, education, leadership

13:40—15:20 Room 17

Accessing quality online health information: what is the solution?
Dr Célia Boyer; Dr Allan Hanbury; Dr Sanna Salanterä

Abstract: The majority of the adult population in both Europe and North America have access to the internet. Over 70% state that they have used the internet to look for health information and the majority started their search at a search engine. Given that search engines list sites according to popularity and not quality, it is imperative that users have a means of discerning trustworthy and honest information from non-reliable health information. The HONcode, a set of eight quality guidelines, ensures access to standardized trustworthy health information which can be used as a tool to guide consumers.

Keywords: Patient education, Ethics, Quality, Health information technology, Information privacy. Trust, HONcode

15:20—16:00 coffee break and Poster presentation (details in poster part)
16:00—16:10 Room 2

Contest Opening

Committee
Pr Diane Skiba; Pr Leanne Currie; Pr Heimar Marin; Pr Manuela Eicher; Pr Ursula Hübner; Pr Helen Ying Wu; Pr Hyeoun-Ae Park.

16:10—16:25 Room 2

Adoption of Speech Recognition Technology in Community Healthcare Nursing

University of British Columbia, Vancouver, Canada

D Al-Masslawi, L Block, C Ronquillo

Abstract. Adoption of new health information technology is shown to be challenging. However, the degree to which new technology will be adopted can be predicted by measures of usefulness and ease of use. In this work these key determining factors are focused on for design of a wound documentation tool. In the context of wound care at home, consistent with evidence in the literature from similar settings, use of Speech Recognition Technology (SRT) for patient documentation has shown promise. To achieve a user-centred design, the results from a conducted ethnographic fieldwork are used to inform SRT features; furthermore, exploratory prototyping is used to collect feedback about the wound documentation tool from home care nurses. During this study, measures developed for healthcare applications of the Technology Acceptance Model will be used, to identify SRT features that improve usefulness (e.g. increased accuracy, saving time) or ease of use (e.g. lowering mental/physical effort, easy to remember tasks). The identified features will be used to create a low fidelity prototype that will be evaluated in future experiments.

Keywords. Nursing informatics, speech-recognition, wearables, wound care, prototyping, user-centered design

16:25—16:40 Room 2

Individual Nomad Clinical Assistant

a Haute école du paysage, d’ingénierie et d’architecture de Genève, Switzerland
b Division of Medical Information Sciences, University Hospitals of Geneva, Switzerland

Yvann ARGENTIN a, Florent GLUCK a, Christian LOVIS b and Frederic EHRLER b

Abstract. Accessing patients’ data at the point of care has the potential to ease the workflow of nurses and to improve the documentation. We have launched an initiative to develop a mobile assistant focused on managing nurses’ daily intervention. The design has required the involvement of many stakeholder and has followed a user centered design process. The evaluation is planned in two stages with an increasing level of ecology. The solution is a client-server application displaying a contextualized view on nurses’ interventions. It allows to validate and comment each intervention presented as an item in a list. Deploying mobile client applications in healthcare is a challenging task not only from a technical point of view but also regarding organizational factors and human factors.

Keywords. mHealth, Software Design, Nurses

16:40—16:55 Room 2

Improving Drugs Administration Safety in Pediatric Resuscitation using Mobile Technology

a University of Applied Sciences-HEG, Geneva, Switzerland
b Pediatric Emergency Division, Children’s Hospital, University Hospitals of Geneva
c Division of medical information science, University Hospital of Geneva

Hamdi HAGBERG a, Johan SIEBERT b, Alain GERVAIX b, Peter DAEHNE c, Christian LOVIS b, Sergio MANZANO b and Frederic EHRLER b

Abstract. The fast preparation of drugs during pediatric resuscitation is of utmost importance. The influence of the patient’s weight on the drug doses requires to perform complex calculations and is a source of errors. A technological solution could be a real help in avoiding these kinds of mistakes. Relying on a user centered approach we have developed an application supporting drug preparation. It has been tested in simulations with predefined scenario. The developed tool consists of a screen displaying a list of drug that can be administered. When the user select a drug, the instructions regarding its preparation are displayed with all dosage precisely calculated. The tool has demonstrated a significant reduction of errors associated to administration, a speeding up the overall process and has been well received by the nurses.

16:55—17:10 Room 2

The Hygiene Games

1 FH Aachen University of Applied Sciences, Aachen, Germany
2 RWTH Aachen University, Aachen, Germany

Frederik KLEIN 1, Cassandra SEVERIJNS 2, Daniela ALBIEZ 2, Eugen SELJUTIN 2, Marko JOVANOVIĆ 2 and Milad EYVAZI HESAR 2

Abstract. Addressing the correlation of hospital acquired infections and insufficient hand hygiene, we propose a supportive system to enhance the individual hygiene habits of health care workers. By applying gamification to incentivize health care professionals while maintaining a high standard of privacy and usability, the system focuses on technical simplicity by using concepts like bring your own device in a scalable proof of concept implementation.

Keywords. Hospital Hygiene, Gamification, Beacons, Nearables, Wearables, Bluetooth Low Energy, Hospital Acquired Infections, Nosocomial Infections
17:10—17:25 Room 2

Instrumented shoes for real-time activity monitoring applications

Laboratory of Movement Analysis and Measurement, Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland
Centre Hospitalier Universitaire Vaudois (CHUV), Service de geriatrie et réadaptation gériatrique, Switzerland

Christopher Moufawad el Achkara, Constanze Lenoble-Hoskovec, Kristof Majorb, Anisoara Paraschiv-Ionescua, Christoph Bülab and Kamiar Aminiana

Abstract. Activity monitoring in daily life is gaining momentum as a health assessment tool, especially in older adults and at-risk populations. Several research-based and commercial systems have been proposed with varying performances in classification accuracy. Configurations with many sensors are generally accurate but cumbersome, whereas single sensors tend to have lower accuracies. To this end, we propose an instrumented shoes system capable of accurate activity classification and gait analysis that contains sensors located entirely at the level of the shoes. One challenge in daily activity monitoring is providing punctual and subject-tailored feedback to improve mobility. Therefore, the instrumented shoe system was equipped with a Bluetooth® module to transmit data to a smartphone and perform detailed activity profiling of the monitored subjects. The potential applications of such a system are numerous in mobility and fall risk-assessment as well as in fall prevention.

Keywords. Activity monitoring, wearable sensors, inertial measurement unit, force sensing insole, real-time

17:25—17:40 Room 2

The development and evaluation of delirium assessment and nursing care decision-making assistant mobile application for Intensive Care Unit

a School of Nursing, Capital Medical University, Beijing, China
b Institute of Biomedical Informatics, National Yang-Ming University, Taipei, Taiwan
c The First Clinical Nursing Teaching Department, School of Nursing, Capital Medical University, Beijing, China

Fangyu Yang, Meihua Ju, Shu Dings, Ying Wu, Polun Chang, Chiwei Lin, Xin Yang

Abstract. Delirium is a common complication among patients in ICU settings. Although it has been repeatedly confirmed that Confusion Assessment Model for Intensive Care Unit (CAM-ICU), one of the most commonly used ICU delirium assessment tool, is highly accurate in validation studies, it’s sensitivity and specificity is relatively low during routine practice among bedside nurses. The aim of this study is to develop a mobile application (app) to detect delirium and to test its reliability and validity both by research nurses and among ICU bedside nurses. The app was programmed with Java and installed on a mobile device with Android system. After completion of reliability and validity testing, the app will be integrated into the existing Hospital Information System in order to automatically retrieve essential information for risk factor identification and formulation of care plan accordingly to prevent or manage ICU delirium.

Keywords. ICU delirium, mobile application, Confusion Assessment Model for Intensive Care Unit, diagnostic test study, usability evaluation

17:40—18:00 Room 2

Closing of the Student contest
International Prize
Swiss Prize
Prizes are supported HEG—HESO Geneva and NI2016

18:00—18:20 breathing break

Panels and Workshops

16:00—17:40 Room 4 Social Media & Participatory Health Conference

Social Media as catalyzer for Connected Health, hype or hope?
Perspectives from IMIA Working Groups

Dr Luis Fernandez-Luque; Dr Vivian Vilmarlund; Dr Elizabeth Borycki; Dr Stefan Schulz; Dr Craig Kuziemsky; Dr Michael Marschollek; Dr Casimir A. Kulikowski

Abstract: The Internet and social media are becoming ubiquitous technologies that are transforming the health sector. Social media has become an avenue for accessing, creating and sharing health information among patients and healthcare professionals. Furthermore, social media has become a key feature in many eHealth solutions, including wearable technologies, Big Data solutions, eLearning systems, Serious Games, Medical imaging, etc. These hyper-connected technologies are facilitating a paradigm shift towards more connected health. In this panel, representatives of different IMIA Working Groups will explore how both hope and hype contribute to social media’s catalyzing role in creating connected health solutions.

Keywords. m-Health; Mobile Health; Social Media; Public Health Informatics; Consumer Health Informatics; Connected Health, Patient Safety.
16:00—17:40 Room 15

Information Challenges in Patient Transition
Kathryn H. Bowles, Kavita Radhakrishnan, Dr. Paulina Sockelow, Dr. Ragnhild Hellese

Abstract: The aim of this workshop is to address challenges in access to accurate and relevant information for both patients and their clinicians during patient transitions. Successful exchange of information across transitions relies on clinicians’ use of the electronic health record, information systems that support workflow and communication and access to actionable information to facilitate information exchange. In this workshop the speakers will illustrate the above mentioned challenges. The chairman will initially make a short statement of the purpose and the organization of the workshops.

Keywords: Home health care, information needs, point-of-care information, aged, clinical information systems

16:00—17:40 Room 16

Intelligent Re-use of Nursing Routine Data: Opportunities and Challenges
Dr. Dieter Baumberger; Thomas Jucker, Dr. Werner O Hackl

Abstract: Secondary use of structured nursing routine data receives an increasing attention in healthcare and is supposed to bear huge potential for different purposes. However, building and analyzing such integrated nursing routine data repositories are nontrivial, challenging tasks. The workshop gives an insight in the state of the art of secondary data analysis in nursing and addresses possible opportunities as well as the main challenges when re-using nursing data for secondary analyses. The target audience of the workshop comprises all stakeholders who are interested in the intelligent re-use of nursing data (e.g. decision-makers, public health officials, nursing managers, nursing informatics/IT staff, scientists, data analysts as well as industry representatives).

Keywords: nursing informatics, routine nursing data, data collection, data analysis, re-use, secondary use, data warehousing

16:00—17:40 Room 17

Nursing Informatics Education: Latino America & Caribe
Carol Hullin; Erika Caballero Muñoz; Tatiana Astengo; Alejandra Escobar

Abstract: The objective of this panel is to share the current status of Nursing Informatics education at the national (Chile) and regional level. All the panelists are involved in different educational programs by face to face, online and small workshops. The scope is to anyone who is interested in the education in nursing informatics in Spanish, since the entire panelists participate in the design & development of educational programs from certificate, diploma, bachelor, master and PhD curriculums.

Keywords: Nursing Informatics Education, Nursing Informatics, Students, Curriculum

16:00—17:40 Room 18

Integrating a proposed population health model with Nursing Informatics research
Dawn Dowding; Adriana Arcia; Ragnhildur Ingibjargardottir Bjarnadottir, Sarah Iribarren, Sunmoo Yoon

Abstract: In this panel we discuss how nursing informatics can provide a framework for carrying out population health nursing research, using a conceptual model for nursing and population health, the Conceptual Model of Nursing and Population Health (CMNPH). The panel will provide an overview of the CMNPH and then each presenter will present findings from ongoing informatics research that provides insights to different levels of the CMNPH model. The panel is targeted towards informatics researchers who wish to use novel informatics approaches to carry out population health research.

Keywords: Population Health, Nursing Informatics, Text Mining, Data Visualization, Health Disparities

17:40—18:20 breathing break

18:20—19:20 Room 2 Keynote speech

How e-patients are changing healthcare
Dave deBronkart

The Internet, ICT, and digital devices give patients new information, and it’s changing healthcare. ‘e-Patients’ are “empowered, engaged, equipped, enabled” so they can be partners with their doctors and nurses. e-Patient Dave helped save his own life by connecting online with other patients. Today he is the most famous e-patient speaker in the world, with hundreds of speeches [20 in Switzerland]. This is his first time in Geneva.

Keynote supported by Medinorma
Presenting an early prototype of a wearable digital camera and wound care documentation mobile application, enabled with Speech Recognition Technology. The design features highlighted are the wearable wireless camera and wound measurement documentation section, which through speech recognition, facilitates the timely capture of clinical findings and perceived useful when the nurses hands are occupied while providing direct wound care.

Lori Block

Awareness to ageing process

The effect of the ageing process is not known before you are confronted with. This demonstration shows why some activities are difficult to be done by elderly persons.

Luigi Corrado

"Instrumented shoes for real-time activity monitoring applications"

Description: “The instrumented shoes system, combining movement and force sensors, can measure the foot movement and weight in realtime. It can be used to evaluate daily activity and characterize gait. In turn, this information can help clinicians better understand the activity performance of healthy older adults and at-risk persons. The instrumented shoes can also interact with a smartphone to provide feedback on activity to the user. The application of this system has been tested in the daily life of healthy older adults as well as at-risk patients, demonstrating the suitability of the instrumented shoes to accurately measure daily activity and mobility improvement”

Christopher Moufawad El Achkar

Nao and medication assistance

Ambient Assisted Living provides means to support an elderly’s everyday life. NAO-robot platform is implemented to remind the patient for drug intakes, check for drug-drug-interactions, document the compliance and assist through the complete process of individual medication. Meet NAO

Marco Schweitzer

Prevention

How to detect delirium risk at ICU unit, protecting the patient and assist the nurses in the daily work. Mobile application is usefull in this case.

Meihua Ji

Jenifer Burdet and her team

Fashion Designer

presents her collection between the demonstrations
09:00 to 12:20

09:00 — 10:00 Room 2 Keynote speech

Power of data for change
Dr Frances Hughes RN, BA, MA, DNurs, Col (ret), JP, ONZM

Dr Frances Hughes was appointed as Chief Executive Officer of the International Council of Nurses in February 2016. Immediately prior to this, she held the role of Chief Nursing and Midwifery Officer, Queensland, Australia, and also served as Chief Nurse for New Zealand. From 2005-2011, Dr Hughes worked for the World Health Organization with 16 countries in the Pacific region, supporting them to develop policy and plans to improve mental health for consumers in the Pacific. Qualified as a general and psychiatric health nurse, Dr Hughes has a Doctor of Nursing degree from the University of Technology, Sydney. She has held senior roles for many years across a range of organisations and served as the Commandant Colonel for the Royal New Zealand Nursing Corp. Dr Hughes has an extensive publication record and has received several awards for her work.

10:00 — 10:40 coffee break and Poster presentation (details in poster part)

10:40 — 12:20 Room 3

10:40 - 11:00: Low-cost wearable for fatigue and back-stress measurement in nursing (H Baqapuri, A Wajdan, E Kutafina, B Miegeld, S Jonas)

11:00 - 11:20: Smart Glasses in Nursing Training – redundant gadget or precious tool? A pilot study (M Marschollek, C Barthel, M Behrends, R Schmeer, I Meyenburg-Altwarg, M Becker)

11:20 - 11:40: The intelligent wardrobe (M Lehmann, P Schaad, T Buerkle)

11:40 - 12:00: Implementing Innovation: The Creation of an iUnit and the Role of Nursing (V Tiase, D Sorbello, R Ventura, K Robinson)

12:00 - 12:20: Nursing informatics research priorities for the future: recommendations from an international survey (LM Peltonen, M Topaz, C Ronquillo, L Pruinelli, RF Sarmento, MK Badger, S Ali, A Lewis, M Georgsson, E Jeon, JL Tayaben, CH Kuo, T Islam, J Sommer, H Jung, GJ Eler, D Alhuwail)

10:40 — 12:20 Room 4

10:40 - 11:00: Measuring Nursing Value From the Electronic Health Record (J Welton, E Harper)

11:00 - 11:20: Biometric Attendance and Big Data Analysis for Optimizing Work Processes (N Verma, T Xavier, D Agrawal)


11:40 - 12:00: Clustering the Whole-Person Health Data to Predict Liver Transplant Survival (L Pruinelli, K Monsen, G Simon, B Westra)

12:00 - 12:20: Development and evaluation of an adolescents’ depression ontology for analyzing social data (H Jung, HA Park, TM Song)

10:40 — 12:20 Room 5-6

10:40 - 11:00: Evaluating Nurses Acceptance of Hospital Information Systems: A Case Study of a Tertiary Care Hospital (M Khalifa)

11:00 - 11:20: Using Mixed Methods in Health Information Technology Evaluation (P Sockolow, D Dowding, R Randell, J Favela)

11:20 - 11:40: The Pilot Evaluation of Using the International Classification for Nursing Practice® (ICNP) as the Electronic Nursing Data Exchange Standardization in Taiwan. (IC Hou)

11:40 - 12:00: Development and evaluation of an adolescents’ depression ontology for analyzing social data (H Jung, HA Park, TM Song)

12:00 - 12:20: The Evaluation Imperative (L Nagle)

10:40 — 12:20 Room 7-8

10:40 - 11:00: Developing a semantic model to describe physical activity data (H Kim, J Kim, E Shenvi, J Quach, B Sutijadi, A Richardson, KW Lin)

11:00 - 11:20: Event Reports Promoting Root Cause Analysis (S Pandit, Y Gong)


11:40 - 12:00: User-centered design practices to redesign a nursing e-chart in line with the nursing process (MB Schachner, F Recondo, Z Gonzalez, J Sommer, E Stanzliza, F Gassino, M Simon, G Lopez, S Benitez)

12:00 - 12:20: Interprofessional Student Perspectives of Online Social Networks in Health and Business Education (G Doyle, C Jones, I Currie)
Abstract: Increasing lifespans for chronic disease sufferers means a population of young patients who require lifestyle intervention from an early age. For multiple sclerosis (MS) patients, social problems begin with the decline of cognitive skills and their quality of life is affected.

This discussion is followed by work in the area of monitoring and reporting at a health district and national level. Lastly, we draw on the quality, safety and resilience literature. The target audience for this work are nursing and health informatics researchers, practitioners, administrators, policy makers and students.

Keywords: Technology induced errors, patient safety, monitoring, quality improvement, software quality

Reducing Technology-induced errors: Organizational and Health Systems Approaches
Dr Elizabeth M. Borycki, Dr Yalini Senthriajah, Dr Andre W. Kushniruk, Sari Palojoki, Dr Kaija Saranto, Dr Hiroshi Takeda

Abstract: Technology-induced errors are a growing concern for health care organizations. Such errors arise from the interaction between healthcare and information technology deployed in complex settings and contexts. As the number of health information technologies that are used to provide patient care rises so will the need to develop ways to improve the quality and safety of the technology that we use. The objective of the panel is to describe varying approaches to improving software safety from an organizational and health systems perspective. We define what a technology-induced error is. Then, we discuss how software design and testing can be used to improve health information technologies. This discussion is followed by work in the area of monitoring and reporting at a health district and national level.

Keywords: Technology induced errors, patient safety, monitoring, quality improvement, software quality

Harmonising ICNP and SNOMED CT: a model for effective collaboration
Dr Nicholas R. Hardiker; Jane Millar; Dr Tae Youn Kim; Dr Kay Jansen; Zac Whitewood-Moores.

Abstract: The purpose of this panel was to demonstrate an approach to collaborative working within nursing and health informatics. The panel took as an example an initiative to harmonise between two large-scale terminologies, namely the International Classification for Nursing Practice (ICNP) and SNOMED Clinical Terms (SNOMED CT). A number of practical topics were framed within a context of collaboration, including semi-automated and manual approaches to mapping, consensus working, clinical validation, formal concept modelling, etc. Those attending the panel, nurses and informatics professionals alike, came away with an increased understanding of a range of approaches to collaborative working within nursing and health informatics.

Keywords: Collaboration, standards, terminologies, harmonization, mapping
12:20—13:40 Lunch
Poster presentation (details in poster part)

12:20—13:40 Room 11
NursIE
European Nursing Informatics Working group
Administrative meeting (reactivation of the group)

12:20—13:40 Room 12
ICNP meeting
Upon invitation only

12:20—13:40 Room 19
Tiger
Administrative meeting upon invitation

12:20—13:40 Room 5-6
Mobile and Analytics for Nursing at the Point of Care
Judy Murphy, RN, FACMI, FHIMSS, FAAN CNO, IBM Global Healthcare
Description:
Mobile apps for nurses are beginning to be seen as critical components of effective and efficient patient-centered care by providing anytime, anywhere access to patient information and the plan of care in any venue – acute, long term, community and home. Ms. Murphy will describe how mobile apps are enabling a new way to care for patients; not digitizing an existing process, but designing an end-to-end experience that allows nurses to have access to data and analytics to make the right decisions and execute tasks at the point of care. Join this session to learn how using a role-specific, user-centric design, built upon a data secure platform is essential for success.

13:40—14:40 Room 2
Keynote speech
BigData and Health : Hopes and challenges
Pr Christian Lovis
Christian Lovis is professor of clinical informatics at the University of Geneva and leads the Division of Medical Information Sciences at the Geneva University Hospitals. He is a medical doctor trained in Internal Medicine with special emphasis on emergency medicine, is graduated in public health from the University of Washington, Seattle, USA. In parallel to medicine, he studied biomedical informatics at the University of Geneva, focusing on clinical information systems and medical semantics. He led the development of the computerized patient record for the university and public health sector of Geneva. Christian is the author or co-authors more than 150 publications focusing on semantics and interoperability in health big data; Clinical information systems and advanced human-machine interfaces, including bio-captors. He is editorial board member of major peer-reviewed journals in medical informatics, such as the Journal of the American Medical Informatics Association (JAMIA), PLOS One, the Journal of Medical Internet Research (JMIR), and Applied Clinical Informatics (ACI). Christian is the European representative and vice-chair of the board of managers of HIMSS Global and member of the board of innovation of GS1, co-chair of the Architecture and standard working group of e-Health-Suisse. He is co-founder of three startups.

14:40—15:00 breathing break

15:00—17:00 Room 3
15:00 - 15:20: Decision support system of nursing human resources allocation in general wards based on Hospital information system (S ZHAO, h chen)
15:20 - 15:40: Knowledge transfer in health care through digitally collecting learning experiences – Results of Witra Care (M Behrends, T Kupka, R Schmeer, I Meyenburg-Altwarg, M Marschollek)
15:40 - 16:00: Operationalizing the TANIC and NiCA-L3/L4 Tools to Improve Informatics Competencies (C Sipes, D McGonigle, K Hunter, T Hebda, T Hill, J Lamblin)
16:00 - 16:20: Information Literacy in a Digital Era: Understanding the Impact of Mobile Information for Undergraduate Nursing Students (G Doyle, K Furlong, I Secco, J Bailey)
16:20 - 16:40: Integrating Informatics Content into the Nursing Curriculum (E Weiner, P Trangenstein, J Gordon, R McNew)
16:40 - 17:00: Rationale for Quantification in Nursing Services Using the International Council of Nurses Nurse-Patient Summary (E Halloran, J Welton, HL Bastin, K Onori)
15:00—16:40 Room 4


15:20—15:40: Mobile and Wearable Technology Needs for Aging in Place: Perspectives from Older Adults and Their Caregivers and Providers (J Wang, D Carroll, M Peck, S Mlynery, Y Gong)

15:40—16:00: A systematic review and meta-analysis of intervention for pediatric obesity using mobile technology (J Lee, A Byun, M Piao, J Kim)

16:00—16:20: Feasibility of the rule-based approach to creating complex pictograms (J Kim, V FNU, E Bell, H Kim)

16:20—16:40: Quantifying Eye Tracking between Skilled Nurses and Nursing Students in Intravenous Injection (Y Maekawa, Y Majima, M Soga)

15:00—16:40 Room 5-6

15:00—15:20: Evaluating the feasibility of using mobile devices for nurse documentation (J Sommer, MB Schachner, Z Gonzalez, D Luna, S Benitez)

15:20—15:40: Output calculations based on nursing documentation in the first generation of electronic health records in the Netherlands (W Paans, M Müller-Staub, W Krijnen)

15:40—16:00: Using Clinical Decision Support and Dashboard Technology to Improve Heart Team Efficiency and Accuracy in a Transcatheter Aortic Valve Implantation (TAVI) Program (S Clarke, M Wilson, M Terhaar)

16:00—16:20: Identifying outliers in data from patient documentation (D Baumberger, R Burgin)

16:20—16:40: Analysis of the nursing documentation in use in Portugal – building a clinical data model of nursing centered on the management of treatment regimen (J Cruz, F Bastos, F Pereira, A Silva, P Sousa)

15:00—16:40 Room 7-8

15:00—15:20: Technology Readiness of Early Career Nurse Trainees: Utilization of the Technology Readiness Index (TRI) (M Odlum)


15:40—16:00: Ten Demands of Improved Usability in eHealth and Some Progress – Co-creation by Health and Social Care Professionals (I Scandurra, D Liljequist)

16:00—16:20: Advancing the Digital Health Discourse for Nurse Leaders (S Remus)

16:20—16:40: Adaptive Practice: Next Generation Evidence-Based Practice in Digital Environments (MA Kennedy)

15:00—16:40 Room 14 Social Media & Participatory Health Conference

15:00—16:40 Room 15

15:00—16:40 Room 16

15:00—16:40 Social Media WG

15:00—16:40 Room 15

15:00 to 16:40

Panels and Workshops

15:00—16:40 Room 14 Social Media & Participatory Health Conference

Big Data & Social Media for Empowering Patients with Diabetes

Dr Luis, Fernandez-Luque; Yelena, Mejova; Dr Miguel-Angel, Mayer; Dr Per Erlend, Hasvold; Dr Surabhi, Joshi

Abstract: Millions of people living with diabetes are using mobile phones, Internet and social media to socialize with other patients, share experience or search information relevant for their self-management. This phenomena is leading towards a new paradigm of hyper-connected diabetes digital self-management. This is also leading towards an explosion on data, a large amount of data is collected on populations around the world. This panel will address the opportunities this data presents, discuss the latest research that uses it, and the limitations and other concerns.

Keywords: Big Data, Social Media, Diabetes, mHealth, Internet, Public Health

15:00—16:40 Room 15

Update: NI Scope and Standards of Practice, Competencies, and Certification

Dr Carol J. Bickford; Dr Nadia Sultana; Dr Luann Whittenburg

Abstract: The new 2015 ANA Nursing Informatics: Scope and Standards of Practice, Second Edition, includes a slightly revised definition of nursing informatics, totally revised scope of practice statement, and updated standards and accompanying competencies. The competencies are now leveled for informatics nurses and informatics nurse specialists. This professional resource informs practice, education, research, administration, and the certification process. The presenters will provide details about the development of the latest NI scope and standards of practice and the contemporary ANCC certification process to stimulate group discussion and promote development of a personal action plan to integrate such content into nursing and informatics practice. The target audience includes all registered nurses, informatics nurses, informatics nurse specialists, faculty, and administrators.

Keywords: Nursing informatics, scope and standards of practice, certification

15:00—16:40 Room 16

Milestones and Experiences of Standardized Documentation

Dr Kaia Saranto, Dr Virginia Saba, Dr Patricia Dykes, Dr Ulla-Mari Kinnunen, Minna Mykkänen

Abstract: The purpose of this panel is to discuss milestones and experiences of a standardized nursing terminology for the documentation of nursing practice using Clinical Care Classification as an example. The aim is to describe the value of using the CCC as the standardized nursing terminology and framework for the multidisciplinary care plans and how its interoperability with SNOMED CT, LOINC, and other required terminologies can be used for the electronic health record systems. Further the aim is to discuss the advantages a multidisciplinary documentation system and how it impacts on nursing practice, management, and research as well as highlight the monitoring of nursing documentation. The target audience will enrich their understanding about the possibilities that a standardized multidisciplinary documentation is critical for future data analyses and datamining highlighting nursing practices.

Keywords: Standards, Documentation, Nursing, Clinical Care Classification System
15:00—16:40 Room 17

Health Informatics competencies, workforce and the DNP: Why connect these ‘dots’?

Dr Marge Benham-Hutchins; Dr Juliana J. Brixey; Dr William Scott Erdley; Kay Sackett Fitzgerald; Dr Angela M. Ross.

Abstract: This panel will provide the perspectives of nurse informatics experts on the development of informatics education integrating health information technology (HIT) and immersive simulation. The panel will also address student and provider access to the electronic health record (EHR) for educational purposes. This panel examines the education and preparation of students and practicing nurses to meaningfully use EHRs. The target audience is clinicians, educators, trainers, students and those interested in the meaningful use of EHRs and achievement of the Informatics competencies defined by AACN and TIGER.

Keywords: Electronic health records (EHRs), simulation, ethics, nursing education, health informatics education, doctor of nursing practice (DNP)

15:00—16:40 Room 18

Urgent Call for Nursing Big Data

Dr Connie Delaney; Joyce Sensmeier; Dr Charlotte Weaver; Lisiane Pruinelli; Dr Asta Thoroddsen

Abstract. The purpose of this panel is to expand internationally a National Action Plan for sharable and comparable nursing data for quality improvement and big data science. There is an urgent need to assure that nursing has sharable and comparable data for quality improvement and big data science. A national collaborative – Nursing Knowledge and Big Data Science includes multi-stakeholder groups focused on a National Action Plan toward implementing and using sharable and comparable nursing big data. Panelists will share accomplishments and future plans with an eye toward international collaboration. This presentation is suitable for any audience attending the N2016 conference.

Keywords: Standardized nursing data, big data, data science, workflow processes, health policy, nursing informatics

15:00—16:40 Room 19

Deep Dive: Evaluation Methods for Electronic Health Records

Dr Sarah Collins; Dr Yalini Senathirajah; Dr Sarah Iribarren; Dr Sunmoon Yoon; Dr Dawn Dowding

Abstract. Clinicians currently use electronic health records (EHR) which have often not been designed with the user in mind. Participatory design requires a thorough evaluation of the system using mixed methods. When different methods yield conflicting results, synthesis is challenging. This panel will present four cases of triangulation approaches to evaluate EHR usability and usage in multiple institutions. The audience will have a better idea how to triangulate results from multiple innovative methods such as the use of eye-tracking techniques and mixed methods approaches to evaluation.

17:20—19:00 Room 3

Documentation and reporting of nutrition – interoperability, standards, practice and procedures

Jannie M. de Grijis; Elisabeth Østensen; Dr Kristin Rotegaard; Caroline Farsjø

Abstract. Interoperability, fragmentation, standardization and data integrity are key challenges in efforts to improve documentation, streamline reporting and ensure quality of care. This workshop aims at demonstrating and discussing health politics and solutions aimed to improve nutritional status in elderly.

Keywords. Nutrition, evidence based nursing procedures, standardization, Electronic Health Record

17:20—19:00 Room 4

Towards Implementing a Global Competency-Based Nursing and Clinical Informatics Curriculum: Applying the TIGER Initiative

Dr Ursa Hübner, Dr Marion Ball, Dr Heimar de Fátima Marín, Dr Polun Chang, Dr Marisa Wilson, Christel Anderson

Abstract: This workshop will review the history of the TIGER initiative in order to set the framework for an understanding of international informatics competencies. We will include a description of clinical nursing informatics programs in 37 countries as well as the results of a recent survey of nursing competencies in order to further discussions of internationally agreed-upon competency definitions. These two surveys will provide the basis for developing a consensus regarding the integration of core competencies into informatics curriculum developments. Expected outcomes include building consensus on core competencies and developing plans toward implementing intra- and inter-professional informatics competencies across disciplines globally.

Keywords: Education, Nurses, Clinicians, Competencies, Informatics, Innovation
Panels and Workshops

17:20—19:00 Room 14 Social Media & Participatory Health Conference

Engaging Nurses in the Design and Adoption of mHealth Tools for Care Coordination

Glynda Doyle; Dr Elizabeth Borycki; Dr Karen Furlong; Dr Manal Kleib; Dr Lynn Nagle

Abstract: This panel will share ideas for the Nursing Informatics Specialists in the audience on how mHealth tools are being designed and used for clinical practice, education and research. They will describe specific mHealth projects they are involved in, give practical examples, and provide tangible tactics for nurses to make a difference. They will provide insight into new technology and standards developments that make it easy to connect the mobile app ecosystem - from open application program interfaces (APIs), to traditional health information technology tools like Electronic Health Records (EHRs).

Keywords: mHealth, Mobile Health, Mobile Technology, Care Coordination, Clinical Decision Support, Workflow

17:20—17:20 Room 7-8

A Faculty Peer Network for Integrating Consumer Health Solutions in Nursing Education: Contextual Influences and Perspectives

Judy Murphy; Susan Hull; Dr Olivia Velez; Dr Robin Austin

Abstract: This workshop will explore the challenges in translating existing health interventions to new e-health delivery mechanisms. Challenges to be covered include identifying the active ingredients of an intervention; and measurement and validation of newly translated interventions. This session will appeal to health researchers and e-health developers. Participants will have an opportunity to work on cases in small groups to foster in-depth discussion and sharing. Following this session, participants will be able to articulate critical issues to be addressed in translating interventions to a new delivery mechanism and share potential solutions to various translation challenges.

Keywords: mHealth, Mobile Health, Mobile Technology, Care Coordination, Clinical Decision Support, Workflow

17:20—19:00 Room 15

Not Lost in Translation: Changing Intervention Delivery Mechanisms in e-Health

Dr Karen Courtney; Dr Judith T. Matthews; Marcy Antonio;

Abstract: This workshop will explore the challenges in translating existing health interventions to new e-health delivery mechanisms. Challenges to be covered include identifying and retaining the active ingredients of an intervention; and measurement and validation of newly translated interventions. This workshop will appeal to health researchers and e-health developers. Participants will have an opportunity to work on cases in small groups to foster in-depth discussion and sharing. Following this session, participants will be able to articulate critical issues to be addressed in translating interventions to a new delivery mechanism and share potential solutions to various translation challenges.

Keywords: e-Health; telemedicine; community-based interventions; psychometric testing; theory testing; research methods

17:20—19:00 Room 16

Nursing Informatics Beyond 2020; An Interactive Workshop Exploring Our Futures

Dr Peter J. Murray; Dr. W Scott Erdley; Prof. Margaret Hansen; Prof. Hyooung Park; Dr. Susan K Newbold; Dr. Karl Øyric; Prof. Graham Wright

Abstract: This interactive workshop will reflect on and update participants' views on possible future scenarios for the development of health and nursing informatics. The NI2006 Post Congress Conference discussed the future nature and scope of nursing informatics, nursing and healthcare, as viewed from likely developments between 2006 and 2020 [1]. Brief synopses from the NI2006 conference will be presented, with summaries of speakers' views on changes and progress since. Workshop participants will discuss major themes and changes, with a view to updating views on possible futures for nursing, healthcare and informatics.

Keywords: Nursing informatics, future, digital health, ubiquitous computing

17:20—19:00 Room 17

Nursing Informatics Competencies for Emerging Professionals: International Leaders Panel

Dr Suzanne Bakken; Ellen Harper; Dr Polun Chang; Dr Maxim Topaz;

Abstract: To achieve a cursory review of the competencies necessary for acquire a successful career in a competitive job market, the panel will bring together leaders from renowned academic, successful health corporations, and international leaders in nursing informatics to the table for discussion, dialogue, and make recommendations. Panelists will reflect on their experiences within the different types of informatics organizations and present some of the current challenges when educating skilled professionals. The panel will provide personal experiences, thoughts, and advice on the competencies development in nursing informatics from their lens.

Keywords: Nursing informatics, Competencies, Leadership, Academia, Industry, Education
Tuesday June 28th 2016  20:00 to 00:00

Gala Dinner at Bâtiment des Forces Motrices

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<table>
<thead>
<tr>
<th>09:00—10:40 Room 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 - 09:20: TextWithSurgeryPatients - A Research Hypothesis in Enhancing Education and Physical Assessment for Abdominal Surgical Patients (M Hansen)</td>
</tr>
<tr>
<td>09:20 - 09:40: A mobile care coordination system for the management of complex chronic disease (S Haynes, K Kim)</td>
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<td>09:40 - 10:00: Mobile apps providing tailored nursing interventions for patients with metabolic syndrome (E Jeon, HA Park, SJ JO, H Kang, JY Lee)</td>
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<td>10:00 - 10:20: What Features of Smartphone Medication Applications Are Patients with Chronic Diseases and Caregivers Looking for? (Y Liu, L Wang, P Chang, K Lamb, Y Cui, Y Wu)</td>
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<td>09:00—10:40 Room 4</td>
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<td>09:00 - 09:20: Enhancing Patient Safety Using Clinical Nursing Data: A Pilot Study (J Choi, J Choi)</td>
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<td>09:20 - 09:40: The integrated patient’s self-care process model (M Milavec Kapun)</td>
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<td>09:40 - 10:00: A Personal Health Network for Chemotherapy Care Coordination: Evaluation of Usability Among Patients (K Kim, J Bell, R Bold, A Davis, V Ngo, S Reed, J Joseph)</td>
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<tr>
<td>10:00 - 10:20: Improving Patients Experience in Pediatric Emergency Waiting Room (F Ehrler, J Siebert, R Wipfli, C Duret, A Gervaux, C Lovis)</td>
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<tr>
<td>09:00—10:40 Room 5-6</td>
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<td>09:00 - 09:20: Towards integrating the principlist and casuist approaches to ethical decisions via multi-criterial support (MK KaltoŌ, JB Nielsen, G Salkeld, J Dowie)</td>
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<tr>
<td>09:20 - 09:40: The Nursing Informatician’s Role in Mediating Technology Related Health Literacies (R Nelson, H Carter-Templeton)</td>
</tr>
<tr>
<td>09:40 - 10:00: Discovering eHealth Technology: An Innovative Interprofessional Graduate Student Learning Experience (K Estes, E Gilliam, S Knapfel, C Lee, D Skiba)</td>
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<tr>
<td>10:00 - 10:20: Comparative evaluation of usage and acceptance of Nursing Information System in a German and American Hospital (AM Vollmer)</td>
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<tr>
<td>09:00—10:40 Room 7-8</td>
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<td>09:00 - 09:20: Robotic Assistance in Medication Management: Development and Evaluation of a Prototype (M Schweitzer, A Hörbst)</td>
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<tr>
<td>09:20 - 09:40: Functionality of Triggers for Epilepsy Patients Assessed by Text and Data Mining of Medical and Nursing Records (E Kivekäs, UM Kinnunen, P Paananen, R Kälviäinen, K Haatainen, K Saranto)</td>
</tr>
<tr>
<td>09:40 - 10:00: Testing of triggers by data mining of epilepsy patients’ structured nursing records (UM Kinnunen, E Kivekäs, P Paananen, R Kälviäinen, K Saranto)</td>
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<tr>
<td>10:00 - 10:20: Computerization of a nursing chart according to the nursing process (MB Schachner, Z Gonzalez, F Rendondo, J Sommer, F Gassino, D Luna, S Benitez)</td>
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<tr>
<td>10:20 - 10:40: Standardized Nursing Documentation Supports Evidence-Based Nursing Management (M Mykkänen, M Miettinen, K Saranto)</td>
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<td>09:00—10:40 Room 13</td>
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<td>09:00 - 09:20: Development and Evaluation for Active Learning Instructional Design of Epidemiology in Nursing Informatics Field (Y Majima)</td>
</tr>
<tr>
<td>09:20 - 09:40: Changing educational paths in an informatics course according to the needs and expectations of nursing degree students (Z Gonzalez, MB Schachner, MA Tatton, S Benitez)</td>
</tr>
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<td>09:40 - 10:00: Embedding nursing informatics education into an Australian undergraduate nursing degree (E Cummings, E Shin, C Mather, E Hovenga)</td>
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<td>10:00 - 10:20: Using co-design with nursing students to create educational apps for clinical training (S O’Connor, T Andrews)</td>
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<tr>
<td>09:00—10:40 Room 14</td>
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<td>09:00 - 09:20: Utilizing Health Analytics in Improving Emergency Room Performance (M Khalifa)</td>
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<td>09:20 - 09:40: Analyzing 30-day Readmission Rate for Heart Failure Using Different Predictive Models (S Mahajan, P Burman, M Hogarth)</td>
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<tr>
<td>09:40 - 10:00: Dementia and robotics: People with advancing dementia and their carers driving an exploration into an engineering solution to maintaining safe exercise regimes (P Procter, C Cooper, J Penders)</td>
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<td>10:00 - 10:20: Harmonising Nursing Terminologies Using a Conceptual Framework (K Jansen, TY Kim, A Coenen, V Saba, N Hardiker)</td>
</tr>
<tr>
<td>10:20 - 10:40: POLESAT’s Third version of an innovative e-geoplatform (A Quesnel-Barbet, J Soula, F Dufossez, R Beuscart)</td>
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Facilitating eHealth for all through Connecting Nurses and the Women Observatory for eHealth

Dr Veronique Ines Thouvenot; Dr Nicholas R. Hardiker

Abstract: Nurses are at the forefront of health care delivery and are key to health improvements across populations worldwide. They play a vital role in the treatment of communicable diseases and in maintaining optimal quality of life for those living with long-term conditions. A number of factors such as an ageing population, a shrinking nursing workforce, inequity and variable access to health services naturally point towards technology-focused solutions. However, the uptake of eHealth tools and techniques by nurses and their integration into nursing practice remain patchy, not least because of nurses simply ‘not knowing’ that good solutions exist. The purpose of this panel is to describe initiatives that seek to identify and showcase good practice in the use of eHealth in nursing.

Keywords: eHealth, technology, nursing

The Future of Informatics in Aged Care: An International Perspective

Dr Gregory L. Alexander, Dr Patti Abbott, Dr Mariann Fossum, Dr Ryan J. Shaw, Dr Ping Yu and Mary M. Alexander

Abstract: The panel will share global technology research initiatives in aged care. Panel objectives: 1) Describe international informatics research initiatives by experts addressing health needs of the aged, 2) Contrast health technologies used to manage aging patients, and 3) Explain challenges and opportunities to improve healthcare informatics for aging patients. Intended audience: researchers, consumers, practitioners, vendors, care providers, and policy makers with interests in aged care technology design, development, implementation and management.

Keywords: Aging, Health Information Technology, IT adoption, Quality of Care

Developing a Framework for Teaching Nursing Informatics Internationally

Dr Inge Madsen, Dr Elizabeth Cummings, Dr Elizabeth M Borycki and Paulette Lacroix

Abstract: Information technology systems in healthcare have resulted in transformation of work practices. Nurses need knowledge, skills, judgment and understanding of the importance of informatics from the commencement of their training. This interactive workshop will look at developing a framework for common core content, teaching methodologies and program structures in the integration of nursing informatics in undergraduate programs. The workshop format will provide a forum for international discussion on this serious challenge faced by nursing schools everywhere. The outcome of this workshop will be the development of a framework that may be applied in teaching nursing informatics internationally.

Keywords: Nursing informatics, ICT, health information system, curriculum, undergraduate education

Healthcare Informatics Schemata: A paradigm shift over time

Dr. W. Scott Erdley; Dr. Kay Sackett Fitzgerald,

Abstract: The schemata “A paradigm shift over time©” (Sackett & Erdley, 2006) a graphic model, visualizes development and progression of informatics in health over time. The model portrays information technology trends, from computers as resource through computational ubiquity, and the shift to social networking and e-Health. The discrepancy between “real” and “proposed” suggests gaps involving issues such as value, interoperability and ontology requiring attention, development and ultimately adoption, hinging on a universal standards framework. The workshop objective is to review previous and current models of healthcare informatics to springboard revisions of the schemata for current and future use.

Keywords: Model (theoretical), healthcare, informatics, nursing

10:40—11:20 coffee break and Poster presentation (details in poster part)
11:20 — 12:05  Room 2  Keynote speech

**e-Health: Global Nursing for Global Citizen**

Pr Heimar de Fatima Marin

Heimar de Fatima Marin has devoted her professional career to improving patient care using information and communication technologies. She is Professor and Director of the Graduate Program in Health Informatics at the Federal University of Sao Paulo (UNIFESP). Heimar Marin is former President of the Brazilian Society of Health Informatics, former Chair of the International Medical Informatics Association Nursing Informatics Special Interest Group and an International Fellow of the American College of Medical Informatics. She has over 250 publications and 13 books. As a professor, she has mentored over 20 PhD students, 32 Masters students, and 85 specialists in health and nursing informatics. She is a Fellow in Clinical Computing at the Center for Clinical Computing at Harvard Medical School and Editor-in-Chief of the International Journal of Medical Informatics.

12:05 — 12:45  Room 2  Closing Ceremony

Prizes

**Best scientific Paper** supported by CaseMix Office J. Hofdijk NL

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**Best Student Paper** supported by Susan Newbold USA

Nursing Informatics Boot Camp

1st Prize CHF 600 / 2nd Prize CHF 350 / 3rd Prize CHF 200
Monday June 27th 2016

12:00—13:35 Zone A Level—

12:30—12:35: The Austrian Nursing Minimum Data Set (NMDS-AT) (R Ranegger, WO Hockl, E Ammenwerth)
12:35—12:40: Evaluation of an allergy documentation system adopted by Hong Kong’s private hospitals - a pilot study (WY Chan, KST Choi, CLV Chiang, C Cheung, LE Tong, N Cheung, TCWM Wong)
12:50—12:55: Using a Text-Mining Approach to Evaluate the Quality of Nursing Records (C Hsiu-Mei, C Shwu-Fen, L Hiso-Yun, Y Hui-Chu)
12:55—13:00: Electronic Health Record Messaging and Quality of Care for Type 2 Diabetes Patients in Primary Care (M Munt, L Zaleksiatka)
13:00—13:05: Nursing Informatics in Turkey (S Akdeniz, M Ozkaynak)
13:05—13:10: Development Needs of Electronic Nursing Discharge Summaries in Finland (A Kusisto, P Askainen, K Saranto)
13:10—13:15: Reporting Patient Safety Events: A Cross-Cultural Trial (W Shan, C Liang, N Yang, Y Gong)
13:15—13:20: Using Hospital Information System data to capture nurse workload (b chen, S ZHAO)
13:25—13:30: Emergency information systems for performance assessment value before and after the child abuse and sexual assault of time aŌer medical intervention (SJ TANG, SC Jhan, SJ CHEN, AR LAN)
13:30—13:35: Effect of Automatic Inpatient Fall Prediction Using Routinely Captured EMR Data: Preliminary Results (I Cho, E Chung)

10:00—10:40 Zone A Level—

10:00—10:05: Understanding Nurses’ Perceptions of Electronic Health Record Use in an Acute Care Hospital Setting (G Strudwick, L McIllis-Hall, L Nagle, P Tyrlovich)
10:10—10:15: Multimedia bord in outpatient waiting service (PF Lee)
10:15—10:20: Evaluation of a Fall Risk Prediction Tool Using Large-Scale Data (S Yokota, A Tomotaki, O Mohri, M Endo, K Ohe)
10:20—10:25: Nurses’ Experiences of An Initial and Re-implemented Electronic Health Record Use (TT Lee, CP Chang)
10:25—10:30: A customized workflow-driven instant messaging system support team communication in hospitals (S Li, TF Chen, HC Chen)
10:30—10:35: Outcomes of Medication Administration Information System for Nurses (JC LIN, TT Lee)

10:00—10:40 Zone B Level—

10:10—10:15: MulƟmedia bord in outpaƟent waiƟng service (PF Lee)
10:15—10:20: eHealth literacy skills among Undergraduate Nursing Students in the U.S. and south Korea (HJ Park, H Park)
10:20—10:25: Telehealth Services in Pakistan: A Rehabilitation Professional’s Perspective (Z Zahid, S Ahmed Khan, S Atique)
10:25—10:30: Organizational benefits of Computerized Physician Order Entry (CPOE) System in Pakistan (S Atique, U Iqbal, F Anwar, H Chien-Yeh, S Syed AbuD)
10:30—10:35: A Serious Game for Teaching Nursing Students Clinical Reasoning and Decision-Making Skills (HM Johnsen, M Fossum, P Vivekananda-Schmidt, A Fruhling, Å Sletteba)

10:00—10:40 Zone C Level—

10:10—10:15: Relationship between Organizational Culture and Organizational Effectiveness- A Study of Nurses in Taiwan (YH Yan)
10:15—10:20: An assessment of the application of Pharma cloud system to the national health insurance program of Taiwan and the result in hospitals (YH Yan, CL Lu)
10:20—10:25: Exploring the flexibility of Challenge Based Learning in health promotion training (H Ya Lam)
10:25—10:30: Design of a program to learn the nursing process by introducing digital stories - For the promotion of patient understanding – (M Teraoaka, Y Muranaka, Y Saito, T Sakuma, M Kaizu, S Mitsuhashi)

10:00—10:40 Zone E Level—

10:05—10:10: Establishing long-term nursing informatics capacity in Malawi, Africa (S O’Connor, J Gallagher, N Wamba, C Moyo, GB Chirimbo, J O’Donoghue)
10:10—10:15: Personalised multi-criterial online decision support for siblings considering stem cell donation: an inte‐
10:15—10:20: Cross-mapping diagnostic nursing concepts between the ICNP and the ICF for expressing nursing in the health care record (J Florin, J Jansson, E Strandberg, A Ehrenberg, C Björvell)
10:25—10:30: Exploring Community Planning Thinking as a Model for Use Case Development (M Wilson, P Procter)
10:30—10:35: Is the IS0 reference terminology model for nursing actions enough to describe nursing actions? (JY Lee, HA Park)

10:00—10:40 Zone F Level—

10:00—10:05: Understanding Nurses’ Perceptions of Electronic Health Record Use in an Acute Care Hospital Setting (G Strudwick, L McIllis-Hall, L Nagle, P Tyrlovich)
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10:00—10:40 Zone H Level—

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Monday June 27th 2016

12:30—13:35 Zone D Level –1

12:30 - 12:35: Use Of Social Media In Facilitating Health Care Research Among Nursing and Allied Health Undergraduates (N Silva)
12:35 - 12:40: Effects of using Multimedia Situational Teaching in Establish Nurse-Patient Relationship for New Nurses (JF Lin, HF Chen)
12:40 - 12:45: Nurses guidelines for using social media by Finnish Nurses Association (D Anfjula, J Olli, M Merasto)
12:45 - 12:50: Development of a Multimedia Dysphagia Assessment Learning System using Responsive Web Design: from e-Learning to m-Learning (HC Huang, SH Guo)
12:50 - 12:55: A social media-based mindful yoga program for pregnant women (SH Guo, CW Lee, CM Tsao, HC Hsing)
12:55 - 13:00: Public Use of Mobile Medical Applications: a case study on Cloud-Based Medical Service of Taiwan (YH Yan, CL Lu)
13:05 - 13:10: The new issue of social media in education and health behavior change - Virtual Visit of Tele-Nursing (BL Chen)
13:10 - 13:15: User-centric eHealth tools to connect people with Sickle Cell Disease (DZ Issom, G Hartvigsen, S Bonacina, S Koch, C Lovis)
13:20 - 13:25: Interactive Patient Engagement: System Design to Cross the Continuum of Care (K Burke)

12:30—13:35 Zone E Level –1

12:30 - 12:35: Nursing Students’ opinion on the use of smartphone applications (apps) in clinical education and training: a study protocol (S O’Connor, T Andrews)
12:30 - 12:35: Prototype development and usability testing of an interactive digital e-health game (IDEG) for heart failure (HF) (K Radakrishnan, P Toprac, M O’Hair, R Bias, M Mackert, B Xie, M Kim, P Bradley)
12:35 - 12:40: Barriers to co-designing mobile technology with persons with dementia and their carers (S O’Connor, MM Bouamrane, CA O’Donnell, FS Mair)
12:50 - 12:55: A survey on the willingness to use physical activity smartphone Applications(Apps) in patients with chronic diseases (L Sun, C Xiao, Y Wang, Q Xiao, Y Zhang, Y Wu)
12:55 - 13:00: Preliminary Findings of the Delivery of the National Diabetes Prevention Program via a Mobile Application (Y Tisse, M Licata, E Fleck)
13:00 - 13:05: Quality of Chinese CVD Medication Apps (Y Liu, P Chang, N Li, K Lamb, X Huang, J Wang, Y Wang, Y Wu)
13:05 - 13:10: The usefulness of the electric textbooks at Nursing Practicam by analyzing the usage logs of the terminal tablet (Y Nakamura, Y Majima, K Fukayama)
13:10 - 13:15: Could people get quality apps they intend to get? Taking finding stroke apps for example (Y Cui, C Fu, H Chang, Y Wu, P Chang)
13:25 - 13:30: The educational and supportive mobile application for caregivers of dementia people (S Cho, JH Lee, E Lee, J Kim, M Shin)
13:30 - 13:35: Modeling a mobile health management business model for chronic kidney disease (YL Lee, P Chang)
13:35 - 13:40: Understanding the learning needs of new graduate nurses at a surgical ward to develop a smartphone/table based training system (YC Lu, YY Tan, C pin-chen)

13:00—13:35 Zone D Level –1

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**10:00—10:40 Zone A Level –1**

10:05 - 10:10: Nursing documentation: An action research project (G Vabo, Å Slethebø, M Fossum)

10:10 - 10:15: Enhancing a Blood Transfusion Platform with Clinic Decision Support Component to Better Ensure Patient Safety (HF Lai, HT Yeh, WR Lee, LC Hsiao, HT Ho, P Chang)

10:15 - 10:20: Challenges and restarting of developing a hospital nursing information system in central China (Z Shi, Jlin, MC Kuo, P Chang)

10:20 - 10:25: Clinical knowledgebase integration of nursing terminology (L Whittenburg)

10:25 - 10:30: The automated alert system for the hospital infection control and the safety of medical staff based on EMR data (EJO)

**10:00—10:40 Zone C Level –1**

10:10 - 10:15: Diffusing Innovations in Nursing Education: From PDAs to OERs (G Doyle, B Budz)

10:15 - 10:20: Geo-spatial Informatics in International Public Health Nursing Education (M Kerr, M Honey, B Krzyzanowski)

10:20 - 10:25: Problems faced by Nurses in use of Electronic Health Records during Clinical Practice (M Verma, S Gupta)

10:25 - 10:30: Distance Education Programs: The Technical Support to be Successful (R McNew, J Gordon, E Weiner, P Trangenstein)

**10:00—10:40 Zone E Level –1**

10:10 - 10:15: Transforming Wearable Technology Surveillance Data for the Personal Health Record using the Omaha System: Noise Exposure, Cardiovascular and Stress Biomarkers (M Kerr, D Chin, K Monson, D Hong)

10:15 - 10:20: Proposal of Comprehensive Model of Teaching Basic Nursing Skills Under Goal-Based Scenario Theory (Y Sannomiya)


**12:20—13:40 Zone A Level –1**

12:25 - 12:30: Development and Appraisal of Multiple Accounting Record System (Mars) (HC Yu, MC Chen)

12:30 - 12:35: Mining clinicians’ electronic documentation to identify heart failure patients with ineffective self-management: A pilot text-mining study (M Topaz, K Radhakrishnan, VL John, L Zhou)


12:40 - 12:45: The Application of an Integrated ICWA Information System to Analysis The Related Indicators (HT Yeh, WR Lee, SM Hsu, HF Lai)

12:45 - 12:50: Decision-making to support smooth daily unit operation in perioperative settings (E Sirala, LM Peltoenen, H Lundgren-Laine, S Salanterä, K Junttila)

12:50 - 12:55: Assessment of glasgow coma outcome scale using a call centre (T Xavier, M Robin, D Agrawal)

12:55 - 13:00: A model for risk assessment in Health Care (v prijatelj)

13:00 - 13:05: Improving EHR Usability Using LEAN Methodology (K Kelly)

13:05 - 13:10: The relationship between nursing workload, quality of care and nursing payment in intensive care units (LY Chang, HH Yu)

13:10 - 13:15: Role of Emergency Nurse Coordinator (ENC) in Work Flow Optimization in an Emergency Department of a Government Hospital in Delhi (P S, D Agrawal, T Xavier)

13:20 - 13:25: An interview and an observation study of nurses and student nurses’ electronic clinical documentation behaviors in a OB/GYN nursing ward (YC Lu, YL Chen)


13:30 - 13:35: What facilitates the use of telehealth applications among nurses? (M Koivunen, K Saranto)


13:40 - 13:45: Ehealth Literacy scale: an nursing analysis and Italian validation (W De Caro, E Corvo, ar marucci, L Lancia, J Sansoni)

13:45 - 13:50: Co-operation and Co-funding Networks in eHealth Research (P Kokol, H Blazun, Vlesen, H Saranto)


13:55 - 14:00: eHealth interventions for healthy aging: A systematic review protocol (MP Gagnon, I Beogo, R Buy)
12:20—13:40 Zone C Level –1

12:30 - 12:35: An Innovative Use of Telepresence Robots for Educating Healthcare Professional (M Molloy, R Shaw, J Vaughn, R Hucekcl)
12:35 - 12:40: Design and Development of Learning Objects for health professionals (K Pacheco, M Azambuja)
12:40 - 12:45: Evaluation methods for improving the ability to use nursing information, with a focus on issues related to the role of the head nurse: A post-workshop evaluation (T Izumi, Y Majima)
12:45 - 12:50: Design of a Hospital Simulation Software for Nursing Education (G Cervi, C Flores, R Somensi, R Caregnato, AP Zucatti)
12:50 - 12:55: Information sharing and the Nursing practice for The Certified Nurse in Radiation Therapy Nursing (n inoue)
13:00 - 13:05: Attitude towards health information privacy and Electronic Health Records among Urban Sri Lankan Adults (S Tissera, N Silva)
13:15 - 13:20: The creation of simulation for the development of competencies in nurses. (AP Zucatti, C Flores, L Silveira)
13:25 - 13:30: Lightweight Expression of Granular Objects (LEGO) Content Modeling Using the SNOMED CT Observable Model to Represent Nursing Assessment Data (C Johnson)
13:30 - 13:35: A Report On Nursing Information During Volunteer Activities Conducted By Nursing Faculty Members (E Suzuki, A Maryama, Y Sato, Y Takayama, M Saito, S Sato)
13:35 - 13:40: A Report On Nursing Information During Volunteer Activities Conducted By Nursing Faculty Members and Students After the Great East Japan Earthquake (Y Tomizawa, M Ichinose, H Onogi, C Suzuki, R Nakamura, S Misawa)
13:40 - 13:45: Developing Evidence-based Care Standards and Decision-making Support System for Pain Management (RC Feng, P Chang)
13:45 - 13:50: Developing Evidence-based Care Standards and Decision-making Support System for Pain Management (RC Feng, P Chang)
13:55 - 14:00: The construction of a subset of ICNP® for patients with dementia (L Laukvik, K Madstof, M Fossum)
14:00 - 14:05: Success criteria for implementing Standardized Care Plans in community health care (E Østensen, R Barda)
14:05 - 14:10: The experience of ICNP Francophone Research and Development Centre of Canada with the validation of ICNP® French-Canadian version (S Jetté, A Tanguay, L Talbot, S Westover, R Pavel, E Perreault, G Mercier)
14:05 - 14:10: The experience of ICNP Francophone Research and Development Centre of Canada with the validation of ICNP® French-Canadian version (S Jetté, A Tanguay, L Talbot, S Westover, R Pavel, E Perreault, G Mercier)
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14:15 - 14:20: Developement and Validation of a Low-Fertility Ontology for Analyzing Social Data in Korea (J Lee, HA Park, TM Song)
14:20 - 14:25: Mapping Wound Assessment Data Elements in SNOMED CT (M Molloy, R Keli, S Handfield)
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14:30 - 14:35: A systematic review of Omaha system literature in Turkey (S Secginli, N Nahcivan, K Monsen)
14:35 - 14:40: An Innovative Use of Telepresence Robots for Educating Healthcare Professional (M Molloy, R Shaw, J Vaughn, R Hucekcl)
14:40 - 14:45: Development and Verification of a Clinical Process Chart for Nutritional/Dietary Management (M Omo‐ri, S Tsuru, Y Michiwaki, Y Hasagawa)
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15:55 - 16:00: Developing evidence from Iran (m meraji, n rahimi)
### Tuesday June 28th 2016

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Gala Dinner
Location: Bâtiment des Forces Motrices (BFM), Place des Volontaires 2, 1291 Genève
Prior separate registration required (limited space)

### Wednesday June 29th 2016

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Colors codes explanations:
- Keynote speeches: Yellow
- Workshops: Blue
- Private meetings: Green
- Panels: Brown
- Tutorials: Red
- Ceremonies and social events: Light blue
- Papers sessions: Orange
- Commercial sessions: Dark blue
- Translated conferences: Gray
Ground level Main entrance at CICG

Level –1

Level 1

Entrance

Posters Hall

Speakers room

Exhibition Hall

Interoperability Showcase (no Walls)

Registration Tourism Office

Building description
Cognitive oncology is here.

Watson for Oncology uses cognitive technologies to help doctors analyze medical information shared by patients against a variety of data, both structured and unstructured. Combined with clinical expertise and external research, IBM Watson™ can help identify potential treatment options for individuals. When Watson thinks with us, we can outthink.

outthink cancer

Learn more at ibm.com/healthcare
Experience the HIMSS Interoperability Showcase featuring live demonstrations of standard-based health information exchange. Witness firsthand how standards-based transactions bring clinical information to the right person at the right time. The vendor-neutral environment allows you to collaborate and discuss how to maximize the collective impact of technologies, demonstrating how seamless health information exchange and true continuity of care contributes to improved outcomes, more engaged consumers and regulatory compliance. The dynamic HIMSS Interoperability Showcase Theater features education sessions on the hour, presented by industry leaders focused on the value of interoperability.

### MONDAY June 27th 2016
- **10:00—11:00** Identification and Traceability in Healthcare
- **11:00—12:00** How Innovation Can Improve Patient Care and The Nurse’s Life
- **12:00—13:00** CareIT Pro: Next Generation of Nursing Documentation – less work for the nurse, more security for the patient
- **13:00—14:00** The Role of HL7 Standards and Interoperability in the Profession of Nursing
- **14:00—15:00** Patient’s and Doctor’s View of the Electronic Health Record in Geneva: Let’s See A Real Case!
- **15:00—16:00** Interprofessionalism: Patients With Chronic Conditions
- **16:00—17:00** How to Implement Traceability With GS1 Standards In a Hospital

### Tuesday June 28th 2016
- **10:00—11:00** Identification and Traceability in Healthcare
- **11:00—12:00** CareIT Pro: Next Generation of Nursing Documentation – less work for the nurse, more security for the patient
- **12:00—13:00** How to Implement Traceability With GS1 Standards In a Hospital
- **13:00—14:00** IHE’s Role in Enabling Interoperability
- **14:00—15:00** Interprofessionalism: Patients With Chronic Conditions
- **15:00—16:00** How Innovation Can Improve Patient Care and The Nurse’s Life
- **16:00—17:00** Patient’s and Doctor’s View of the Electronic Health Record in Geneva: Let’s See A Real Case!

### Wednesday June 29th 2016
- **10:00—11:00** Identification and Traceability in Healthcare
- **11:00—12:00** CareIT Pro: Next Generation of Nursing Documentation – less work for the nurse, more security for the patient
- **12:00—13:00** How to Implement Traceability With GS1 Standards In a Hospital
- **13:00—14:00** IHE’s Role in Enabling Interoperability
- **14:00—15:00** Interprofessionalism: Patients With Chronic Conditions
- **15:00—16:00** How Innovation Can Improve Patient Care and The Nurse’s Life
**French description**

**Dimanche 13:00—16:00 Tutorial Salle 2**

La nécessité d’un langage mondial – Présentation de SNOMED CT

Jane Millar, Ian Green : IHTSDO

Extrait : En tant que système international de terminologie clinique le plus complet au monde, SNOMED CT constitue une ressource de données cliniques exhaustives et scientifiquement validées. SNOMED CT assure une description cohérente et exploitables des données cliniques contenues dans les dossiers médicaux électroniques. Une fois intégré aux applications logicielles, SNOMED CT peut être utilisé pour représenter cliniquement les informations pertinentes de façon cohérente, fiable et exhaustive, et ce, dans le cadre de la production d’informations électroniques sur la santé. SNOMED CT favorise l’élaboration de données cliniques détaillées de première qualité dans les dossiers médicaux. Il offre une méthode de représentation normalisée des formulations médicales employées par les professionnels de santé et permet une interprétation automatique de celles-ci. SNOMED CT désigne une terminologie non seulement riche d’un point de vue sémantique, mais également contrôlée et cliniquement validée, qui facilite l’évolution de l’expressivité en vue de satisfaire aux nouvelles exigences. Les informations cliniques sur lesquelles repose SNOMED CT s’avèrent utiles aussi bien pour les patients et les médecins que pour l’ensemble de la population. En outre, ce système favorise la mise en pratique de soins fondés sur des données probantes. L’utilisation d’un dossier médical électronique améliore la communication et accroît la disponibilité des données pertinentes. En vue de garantir l’interopérabilité, l’IHTSDO travaille avec d’autres organismes de normalisation, et notamment avec le CIH pour permettre l’utilisation des systèmes ICNP et SNOMED CT par le personnel infirmier des quatre coins du monde.

**Dimanche 2016 17:00—18:30 Cérémonie d’ouverture Auditoire 1**

M. Mauro Poggia, Conseiller d’État chargé du département de l’emploi, des affaires sociales et de la santé

M. Pascal Strupler, Directeur Général de l’Office fédéral suisse de la santé publique

Dr Frances Hughes, Directrice du Conseil international des infirmières

Dr Hernan Montenegro, OMS coordinateur organisation et unité d’interventions cliniques et département de sécurité et distribution.

Mme Carmen Lapaza Santos, Commission européenne, Chef d’unité adjointe H1 « Santé et bien-être »

M. Adrian Schmid, Directeur de la stratégie eHealth Suisse

M. Mauro Poggia, Conseiller d’État, eHealth Genève

Prof Hyeyoun-Ae Park, Présidente du comité du programme scientifique de la conférence N12016

Mme Lucy Wesbrooke, Présidente IMIA NI

Prof. Diane Skiba, Présentation du prix du Leadership 2016

Prof Marianne Talberg, Lauréate du prix de Leadership 2016 en informatique médicale du SIG de l’IMIA, Finlande

**Dimanche 2016 18:30 —19:30 Auditoire 1 Présentation plénière**

Déploiement de la cybersanté : les infirmières, des partenaires de la plus haute importance

Carmen Lapaza Santos

Union européenne, Chef d’unité adjointe H1 « Santé et bien-être »

**Lundi 09:00 —10:00 Salle 2 Présentation plénière**

Réforme des prestations de soins : le pouvoir de l’informatique en soins infirmiers

Marilyn Chow

Le Dr Marilyn Chow RN, Ph. D, de la FAAN, est vice-présidente des National Patient Care Services and Innovation au sein de l’association Kaiser Permanente

**Lundi 10:40—12:20 Salle 5-6**

10h40-11h00 : Lever le voile sur les risques pour le patient : un système d’informations en soins infirmiers visant à améliorer la sécurité des patients par la mise en œuvre d’un système d’évaluation électronique (P. Wang)

11h00-11h20 : Exploitation des données en vue d’explorer les liens entre les différents niveaux d’activité physique déclarés par la population latino-américaine urbaine (S. Yoon, M. C. Co Jr, N. Suero-Tejeda, S. Bakken)

11h20-11h40 : Documentation électronique en soins infirmiers : la continuité des soins assurée par le système de classification des soins de santé clinique (CCC) (L. Whittenburg, A. Meetm)

11h40-12h00 : Transformation des données cliniques dans le dossier médical électronique de 2020 (C. Weaver, A. O’Brien)

12h00-12h20 : Contribution du personnel infirmier à la technologie de l’informatique sur la santé de la carte sanitaire de l'Iran pour 2025 : une analyse du document (F. Sadowski, T. Azad)

**Lundi 13:40—15:20 Salle 5-6**

13h40-14h00 : La télésanté en soins infirmiers : comment prodiguer des soins à distance (L. Botin, C. Nehr)

14h00-14h20 : Utilisation de la technologie éducative comme approche proactive du vieillissement en bonne santé (D. Rodger, A. Spencer, P. Hussey)

14h20-14h40 : Comportement de recherche d’informations en ligne adopté par le personnel infirmier et les médecins : une étude transversale (P. Lialiou, J. Mantas)

14h40-15h00 : Étude de l’échange de la complexité-HIT (C. Kuziemsky, E. Borycki, A. Kushniruk)

FRENCH DESCRIPTION

Lundi 16:00—18:00 Salle 2 Concours étudiants

16h10-16h25 : Adoption de la technologie de reconnaissance vocale par le personnel infirmier en charge des soins communaux, D. Al-Masslawi, L. Block, C. Ronquillo
16h25-16h40 : Un assistant clinique en parfait électron libre Y. Argentin, F. Gluck, C. Lovis, F. Ehrler
16h40-16h55 : Renforcement de la sécurité en matière d'administration des médicaments dans les cas de réanimation pédiatrique à l'aide d'une technologie mobile H. Hagberg, J. Siebert, A. Gervaix, P. Daehne, C. Lovis, S. Manzano, F. Ehrler
17h10-17h25 : Des chaussures à la pointe pour les applications de suivi des activités en temps réel C. Moufawad el Achkar, A. Paraschiv-Ionescu, C. Lenoble-Hokstovec, K. Major, C. Bülä, K. Aminian
17h25-17h40 : Développement et évaluation d'une application mobile d'aide à la prise de décision pour les soins infirmiers et les diagnostics des troubles délétrices, destinée à l'unité des soins intensifs F. Yang, M. Ji, Y. Wu, P. Chang, X. Yang

Lundi 18:20 —19:20 Salle 1 Présentation plénière
Comment les e-patients parviennent à révolutionner les soins de santé

Dave deBronkart

Internet, les TIC et les appareils numériques fournissent de nouvelles informations aux patients, transformant véritablement les soins de santé. L ’e-patient » désigne une personne autonome, impliquée, équipée et habilitée s'étant érigée en partenaire des médecins et des infirmiers. En tant qu’e-patient, Dave deBronkart a sauvé sa propre vie en se connectant en ligne et en discutant avec d'autres patients. Aujourd'hui, il est le représentant e-patient le plus connu aux quatre coins du monde, comptant à son actif des centaines de discours (20 rien que pour la Suisse). Il s'agit de sa toute première apparition à Genève.

Mardi 09:00 —10:00 Salle 2 Présentation plénière
La puissance de l'échange de données

Dr Frances Hughes RN, BA, MA, DNurs, Col (ret), JP, ONZM

Le Dr Frances Hughes a été nommée Directrice générale du Conseil international des infirmières en février 2016. Peu avant cette nomination, elle occupait la fonction de responsable des soins infirmiers et de l’obstétrique dans le Queensland, en Australie, ou encore d’infirmière en chef en Nouvelle-Zélande.

Mardi 10:40 —12:20 Salle 3

10h40-11h00 : Dispositifs portables à bas coût pour l’évaluation de la fatigue et des tensions dorsales dans le cadre de soins infirmiers H. Baqapuri, A. Wajdan, E. Kutafina, B. Misgeld, S. Jonas
11h00-11h20 : Des lunettes intelligentes pour la formation en soins infirmiers gadget inutile ou outil précieux ? Une étude pilote M. Marschelke, C. Barthel, M. Behrends, R. Schmeer, J. Meyenburg-Altwarg, M. Becker
11h20-11h40 : L’armoire intelligente M. Lehmann, P. Schaad, T. Buerkle
11h40-12h00 : Mise en œuvre de l’innovation : la création d’une iUnité et le rôle des soins infirmiers V. Tiase, D. Sorbello, R. Ventura, K. Robinson

Mardi 13:40 —14:40 Salle 2

Le BigData et la santé : espoirs et défis

Professeur Christian Lovis


Mardi 15:00—16:40 Salle 5-6

15h00-15h20 : Étude de l’utilisation des dispositifs mobiles pour la documentation en soins infirmiers J. Sommer, M. B. Schachner, Z. González, D. Luna, S. Benitez
15h20-15h40 : Résultats tirés de la documentation en soins infirmiers pour la première génération de dossiers médicaux électroniques aux Pays-Bas W. Paans, M. Müller-Staub, W. Krijnen
15h40-16h00 : Utilisation du soutien à la prise de décision et de la technologie de conception de tableaux de bord pour améliorer l’efficacité et la précision du personnel de cardiologie dans le cadre d’un programme d’implantation de valves aortiques par voie percutanée (TAVI) S. Clarke, M. Wilson, M. Terhaar
16h00-16h20 : Identification des données erronées dans la documentation patient D. Baumberger, R. Bürgin
16h20-16h40 : Analyse de la documentation en soins infirmiers utilisée au Portugal — conception d’un modèle de données cliniques des soins infirmiers axé sur la gestion du schéma thérapeutique I. Cruz, F. Bastos, F. Pereira, A. Silva, P. Sousa
Mercredi 09:00—10:40 Salle 5-6

09h00-09h20 : Renforcement de la sécurité des patients à l’aide des données cliniques en soins infirmiers : une étude pilote (J. Choi)
09h20-09h40 : Modèle de prise en charge personnelle intégré (M. Milavec Kapun)
09h40-10h00 : Le rôle des infirmiers dans les télécultures pour les patients habitant dans des régions reculées (M. Robin, T. Xavier, D. Agrawal)
10h00-10h20 : Un réseau de santé personnel pour la coordination des soins chimiothérapeutiques : évaluation de son utilité auprès des patients (K. Kim, J. Bell, R. Bold, A. Davis, V. Ngo, S. Reed, J. Joseph)
10h20-10h40 : Amélioration de l’expérience des patients dans la salle d’attente des urgences pédiatriques (F. Ehrler, J. Siebert, R. Wipfli, C. Duret, A. Gervaix, C. Lovis)

Mercredi 11:20—12:20 Salle 2 Présentation plénière

La cybersanté : des soins infirmiers globaux pour l’ensemble de la population mondiale

Professeur Heimar de Fatima Marin

Heimar de Fatima Marin a consacré toute sa carrière à l’amélioration des soins prodigués aux patients par le biais des technologies de l’information et de la communication. Elle est professeur et directrice du programme d’études supérieures en informatique médicale à l’Université fédérale de São Paulo (UNIFESP).

Mercredi 12:20—13:00 Salle 2 Cérémonie de clôture

Meilleurs papiers scientifiques offert par CaseMix Office J. Hofdijk NL
1er Prix CHF 800 / 2nd Prix CHF 400 / 3ème Prix CHF 250

Meilleurs papiers étudiants offert par Susan Newbold USA Nursing Informatics Boot Camp
1er Prix CHF 600 / 2nd Prix CHF 350 / 3ème Prix CHF 200

Meilleurs posters scientifiques offert par NI2016
1er Prix CHF 400 / 2nd Prix CHF 200 / 3ème Prix CHF 100

Meilleurs posters étudiants offert par NI2016
1er Prix CHF 400 / 2nd Prix CHF 200 / 3ème Prix CHF 100

Présentation de NI2018 Afrique du Sud, Prof. Graham Write
Annonce du gagnant pour NI2020

Résumé et clôture officielle
Sonntag 18:30 —19:30 Auditorium 1 Hauptrede
Einführung von eHealth: die Pflegekräfte als unverzichtbare Partner
Carmen Lapaza Santos
Stellvertretende Abteilungsleiterin Gesundheit & Wohlergehen/H1 der Europäischen Kommission

Montag 09:00 —10:00 Raum 2 Hauptrede
Neugestaltung des Erbringens von Pflege Die Möglichkeiten von Informatik im Pflegedienst
Marilyn Chow
Dr. Marilyn Chow RN, Ph.D, FAAN ist Vice President of National Patient Care Services and Innovation bei Kaiser Permanente.

Montag 10:40—12:20 Raum 5-6
10:40 - 11:00: Das Patientenrisiko sichtbar machen: Ein Pflegedokumentationssystem zur Verbesserung der Patientensicherheit mithilfe der Implementierung eines elektronischen Beurteilungssystems (P Wang)
11:00 - 11:20: Ein Data Mining Ansatz bei der Untersuchung der Korrelate selbstbeobachteter vergleichender körperlicher Aktivitätstlevel in der Latino-Stadtbevölkerung (S Yoon, MC Co, Jr, N Suero-Tejeda, S Bakken)
11:40 - 12:00: Das Umwandeln klinischer Dokumentation in EHR 2020 (C Weaver, A O’Brien)
12:00 - 12:20: Der Beitrag von Pflegepersonen zur Gesundheits-IT der Iran 2025 Gesundheitserhebung: Eine Besprechung des Papiers (F Sadoughi, T Azadi, T Azadi)

Montag 13:40—15:20 Raum 5-6
13:40 - 14:00: Telegesundheit Pflege aus der Ferne (L Botin, C Nephi)
14:00 - 14:20: Der Einsatz von Bildungstechnologie als ein proaktiver Ansatz für Altern in Gesundheit (D Rodger, A Spencer, P Hussey)
14:20 - 14:40: Das Onlineverhalten von Pflegekräften und Ärzten: eine Querschnittsstudie (P Lialiou, J Mantas)
14:40 - 15:00: Untersuchung des HIT-Complexity Interchange (C Kuziemsky, E Borycki, A Kushniruk)

Montag 16:00—18:00 Raum 2 Studentenwettbewerb
16:10 - 16:25: Einsatz von Spracherkennungstechnologie in der kommunalen Gesundheitspflege (D Al-Masslawi, L Block, C Ronquillo)
16:25 - 16:40: Individueller portabler Klinik-Assistent (Y Argentin, P Glück, C Loius, F Ehrler)
16:55 - 17:10: Die Hygienespiele (F Klein, C Severijns, D Albiez, E Seljutin, J Jonas, M Jovanovic, M Eyvazi Hesar)
17:10 - 17:25: Schuhe mit integrierten Instrumenten für Anwendungen des Aktivitätsmonitoring in Echtzeit (C Moufawad el Achkar, A Paraschiv-Ionescu, C Lenoble-Hoskovec, K Major, C Bula, K Aminian)
17:25 - 17:40: Entwicklung und Evaluierung einer Mobile Anwendung für Delirium-Bewertung und als Entscheidungshilfe-Assistent für Pflegekräfte in der Intensivpflege (F Yang, M JI, Y Wu, P Chang, X Yang).

Montag 18:20 —19:20 Auditorium 1 Hauptrede
Wie E-Patienten dabei sind, die Pflege zu verändern
Dave deBronkart

Dienstag 09:00 —10:00 Raum 2 Hauptrede
Die Bedeutung von Daten für den Wandel
Dr Frances Hughes RN, BA, MA, DNurs, Col (ret), JP, ONZM
Dr Frances Hughes wurde im February 2016 zum Chief Executive Officer des International Council of Nurses gewählt. Unmittelbar zuvor hatte sie die Funktion des Chief Nursing and Midwifery Officer, in Queensland, Australien und fungierte ebenso als Chief Nurse für New Zealand
German description

Dienstag 10:40—12:20 Raum 3

10:40 - 11:00: Kostenstigünstige Wearables zum Messen von Müdigkeit und Rückenbelastung in der Pflege (H Baqapuri, A Wajdan, E Kutafina, B Misgeld, S Jonas)
11:00 - 11:20: SmartUhrn in der Pflegeausbildung - überflüssiges Spielzeug oder wertvolles Hilfsmitt? Eine Pilotstudie (M Marschollek, C Barthel, M Behrends, R Schmeer, J Meyenburg-Altwarg, M Becker)
11:20 - 11:40: Die intelligente Garderobe (M Lehmann, P Schaad, T Buerkle)
11:40 - 12:00: Innovation implementieren: Die Einrichtung einer Gästebüro, D Sorbell, R Ventura, K Robinson)
12:00 - 12:20: Forschungsschwerpunkte für die Pflege IT der Zukunft: Empfehlungen aus einer internationalen Untersuchung (LWM Peltonen, M Topaz, C Ronquillo, R Sarmiento, MK Badger, S Ali, A Lewis, M Georgsson, E Jon, JL Tayaben, CH Kuo, T Islam, J Sommer, H Jung, GI Eler, D Alhuwail)

Dienstag 13:40 —14:40 Raum 3

12:00 —12:20: Forschungsschwerpunkte für die Pflege IT der Zukunft: Empfehlungen aus einer internationalen Untersuchung (LWM Peltonen, M Topaz, C Ronquillo, R Sarmiento, MK Badger, S Ali, A Lewis, M Georgsson, E Jon, JL Tayaben, CH Kuo, T Islam, J Sommer, H Jung, GI Eler, D Alhuwail)

German description

Dienstag 13:40 —14:40 Raum 2 Hauptrede

Big Data und Gesundheit Hoffnungen und Herausforderungen
Professor Christian Lovis


Dienstag 15:00—16:40 Raum 5-6

15:00 - 15:20: Einschätzung der Machbarkeit des Einsatzes mobiler Geräte für die Pflegedokumentation (J Sommer, MB Schachner, Z González, D Luna, S Benitez)
15:40 - 16:00: Einsatz klinischer Entscheidungshilfe und Dashboard Technologie zur Verbesserung von Effizienz und Genauigkeit des Herz-Teams bei einer Transkatheter Herzklappenimplantation (TAVI) Program (S Clarke, M Wilson, M Terhaar)
16:00 - 16:20: Das Erkennen von Ausreißern in Daten von Patientendokumentationen (D Baumberger, R Bürgin)

German description

Mißwoch 09:00—10:40 Raum 5-6

09:00 - 09:20: Verbesserung der Patientensicherheit durch den Einsatz von klinischen Pflegedaten: Eine Pilotstudie (J Choi, J Choi)
09:20 - 09:40: Das Modell des integrierten Patienten-Selbstpflegeprozesses (M Milavec Kapun)
09:40 - 10:00: Die Rolle der Pflegekräfte bei Fern-Konsultationen in entfernten Regionen (M Robin, T Xavier, D Agarwal)
10:00 - 10:20: Ein Netzwerk für persönliche Gesundheit zur Koordinierung von chemotherapeutischer Pflege: Evaluation der Anwendbarkeit bei Patienten (K Kim, J Bell, R Bold, A Davis, V Ngo, S Reed, J Joseph)

Mißwoch 11:20 —12:20 Raum 2 Hauptrede

E-Gesundheit Global Nursing für Global Citizens
Professorin Heimar de Fatima Marin

Heimar de Fatima Marin hat ihr berufliches Leben der Verbesserung der Patientenpflege mithilfe Informations- und Kommunikationstechnologien gewidmet. Sie ist Professorin und Leiterin des Graduiertenprogramms in Gesundheitsinforma- tik an der Federal University of Sao Paulo (UNIFESP).

Mißwoch 12:20 —13:00 Raum 2 Schlusszeremonie

Bester wissenschaÔischer Vortrag vergeben durch CaseMix Office J. Hofdijk NL
1. Preis CHF 800 / 2. Preis CHF 400 / 3. Preis CHF 250

Besser Studenten Vortrag vergeben durch Susan Newbold USA Nursing Informatics Boot Camp
1. Preis CHF 600 / 2. Preis CHF 350 / 3. Preis CHF 200

Bestes wissenschaÔisches Poster vergeben durch NI2016
1. Preis CHF 400 / 2. Preis CHF 200 / 3. Preis CHF 100

Bestes Studenten Poster vergeben durch NI2016
1. Preis CHF 400 / 2. Preis CHF 200 / 3. Preis CHF 100

Vorstellung N2018 Südafrika, Prof. Graham Write
Angabe des Gewinners N2020
Zusammenfassung und offizielle Schliessung des Kongress
Welcome to NI2016 Program

Message from the Scientific Committee ................................................................. page 3
Welcome from the Organization Committee ......................................................... page 4
Members of Committees ....................................................................................... page 5
Reviewers list .......................................................................................................... page 6
Guests for plenary presentations .......................................................................... page 8
General information .............................................................................................. page 10
Sunday morning Tutorials ..................................................................................... page 13
Sunday afternoon Tutorials ................................................................................... page 14
Opening Ceremony, Keynote & Cocktail .............................................................. page 16
Monday morning Keynote and Sessions ............................................................... page 18
Monday morning Panels & Workshops ............................................................... page 20
Monday morning & noon events ........................................................................... page 22
Monday afternoon sessions .................................................................................. page 23
Monday afternoon Panels & Workshops ............................................................ page 25
Monday Student contest ....................................................................................... page 28
Monday late afternoon Panels & Workshops ...................................................... page 31
Monday evening keynote ....................................................................................... page 33
Monday Fashion Show ........................................................................................ page 34
Tuesday morning Keynote and Sessions ............................................................. page 36
Tuesday morning Panels & Workshops ............................................................. page 38
Tuesday noon & afternoon events ...................................................................... page 40
Tuesday afternoon Keynote & Sessions ............................................................. page 41
Tuesday afternoon Panels & Workshops .......................................................... page 43
Gala Dinner ......................................................................................................... page 48
Wednesday Sessions ............................................................................................ page 50
Wednesday Panels & Workshops ..................................................................... page 52
Wednesday Keynote & Closing Ceremony ....................................................... page 54
Posters Monday presentations ............................................................................ page 56
Posters Tuesday presentations ............................................................................ page 60
Program at a Glance ............................................................................................ page 64
Conference center floors and session rooms blueprint .................................... page 68
Interoperability showcase .................................................................................. page 72
Program in French — programme en français ................................................... page 74
Program in German — Programm auf Deutsch ................................................ page 79