MEDINFO '15
19-23 August 2015, São Paulo, Brazil

eHealth-enabled Health

15th World Congress on Health and Biomedical Informatics

PROGRAM
Welcome message from IMIA President

Lincoln de Assis Moura Jr.

Dear colleague,

In 2017, IMIA will be 50 years old - but still young and vibrant. The field of Health and Biomedical Informatics has proven to be much deeper, broader and even more challenging than our founders could have ever imagined. Social media, smartphones, tablets, Big Data, analytics, digital, wristbands and other wearable devices, Uber and Waze, the Internet of Things and so many gadgets and innovative concepts have, in the last few years, attracted millions of people to use technology in a natural and ubiquitous way, thus revolutionizing the way we interact with technology and changing life itself.

From a health perspective, the wave of change has opened the door for a plethora of initiatives directed at improving the "personal experience", the "client experience" and the "patient journey". From being an almost passive "patient", the individual has become the real center of attention. We can see a genuine interest in listening to the patient, not only by paying close attention to what they say, but more and more by trying to understand what is not or cannot be said. Engaging the patient and promoting their proactivity has become common sense and practice, although not always in a successful way. Likewise, integrating all this new culture, available technology, gadgetry and personal motivation to create environments that lead to more cost-effective and better-quality health is still elusive, in many regards. The value of an integrated approach to eHealth has been understood by countries and organizations. However, national eHealth strategies and policies have evolved more slowly than technology itself, and outcomes tend to be promising though still incoherent.

At the light of the above, it is with great pleasure that I contemplate the Medinfo2015 program. IMIA’s most important conference covers all relevant aspects of Health and Biomedical Informatics, from algorithms to devices, from system conception to deployment and adoption, from single data representation to analytics, and from patient safety to eHealth strategies. What a breadth and what a depth!

IMIA and its member societies always face questions around the value of our membership. If you take a look at the technical and scientific program of this 15th Medinfo, you will find at least part of the answer: IMIA is the only organization that can carry out such a wonderful conference: deep, comprehensive and truly global. With a unique perspective brought by those who do research, development, deployment and teaching in our field. IMIA members represent the state of the art of Health and Biomedical Informatics in their countries, making IMIA unique in its ability to represent unbiased knowledge and promote the exchange of experience between Medinfo participants, who are essentially knowledge generators, opinion-makers and trendsetters.

Welcome to Medinfo and welcome to Brazil. Enjoy the Conference, make new friends and renew old friendships. Exchange experience, hear and be heard. IMIA has a long tradition of being comprised of very warmhearted and friendly experts that are willing to get to know new people. Do not be shy! Approach those whose work you know and talk to them. I promise they will listen to you and stimulate you to move on. After all, we are all passionate about our field and its potential to change health for the better.

Finally, remember to set aside some time to visit São Paulo, this fascinating city, full of contrasts.

Lincoln de Assis Moura Jr., EE, MSc, DIC, PhD
President, International Medical Informatics Association
Welcome message from IMIA VP Medinfo

Alvaro Margolis

Dear Medinfo attendees,

It is so good to have you here! Medinfo 2015 is a major event for the international biomedical and health informatics community. It received almost 800 submissions from over 2400 authors, coming from 59 countries. It now has around 100 scientific parallel sessions.

This huge scientific and organizational challenge was successfully done thanks to the work of many people, including the Brazilian Local Organizing Committee, led by Beatriz de Faria Leão and Claudio Giuliano Alves da Costa, the Scientific Program Committee, led by Fernando Martin-Sánchez and Kaja Saranta, the Editorial Committee, led by Neil Sarkar, the guidance and work of Dr. Peter Murray, and Ms. Elaine Huesing, the leadership from the IMIA Board presided by Dr. Lincoln Moraes Jr., the support from endorsing organizations and sponsors, the work of the local PCO Ms. Fernanda Prestes and her team, as well as the many friends from the IMIA community who volunteered their time to do the peer review, to promote Medinfo around the World, among many other important tasks.

The challenge of this Medinfo was to address the needs of both the international biomedical informatics community and at the same time the local and regional professionals working in the discipline in academic and non academic settings in Brazil and the rest of Latin America. Therefore, an inclusive strategy was designed, including simultaneous translation from English to and from Spanish and Portuguese in the main room during the complete duration of the meeting, parallel sessions addressing specific needs for attendees from different regions (e.g., Latin America and China) and a lower cost for registration of participants from developing counties. Furthermore, open access to the Medinfo proceedings have been another way that IMIA has found to ensure a greater reach of this excellent congress to our international community.

So, welcome to the city of Sao Paulo, to Brazil, to South America, with this great opportunity to learn and network! Enjoy!

Alvaro Margolis, MD MS
Vice President for Medinfo
International Medical Informatics Association

Welcome message from Local Organizing Committee

Beatriz de Faria Leão
Claudio Giuliano Alves da Costa

Dear Medinfo 2015 attendee,

It is with an open heart that we welcome you to Sao Paulo for the 18th World Conference on Health and Biomedical Informatics. Together with the Scientific Program, Editorial Committee, IMIA and SBIS staff we have worked hard to make a great conference to all of you.

We are deeply grateful to all our sponsors that have made this dream possible.

These are challenging times for all of us that work in healthcare. Now, more than ever, we have to show that through the innovative use of information and telecommunications technology it is possible to provide better health for all. This Medinfo provides evidence that we are on the right direction.

We do hope during the next five days you will be able to connect with new friends.

We hope during the next five days you will be able to connect with new friends, to network, to learn new abilities and above all to share your knowledge with colleagues from all over the world.

Welcome to Sao Paulo, a city that has the tradition of embracing foreigners. We do hope that you will enjoy your stay and maybe even find some time to see other parts of Brazil.

Thank you very much for being here!

Beatriz de Faria Leão, MD, PhD and Claudio Giuliano Alves da Costa, MD, MSc
Co-Chairs, Medinfo 2015 Local Organizing Committee

LOC Members

LOC Chairs
Beatriz de Faria Leão
Claudio Giuliano Alves da Costa

LOC Members
Marcelo Lúcio da Silva
Marcos Antônio Gutierrez
Marivan Santiago Abrahão
Gabriela Arruda
Jesimara Ferreira
Renato Marcos Endrizzi Sabbatini

Professional Conference Organizer (PCO)
Welcome message from Editorial Committee

Indra Neil Sarkar

After editing the submissions that were selected from a very competitive international pool of first-class biomedical informatics research and innovation, I am certain that this year’s MEDINFO will be a resounding success. These submissions form the core content of an outstanding program that has been assembled through a concerted effort of the Scientific Program Committee, the Local Organizing Committee, along with the IMIA CEO and VP MEDINFO. Your participation in MEDINFO 2015 will undoubtedly build on this corpus to form the substrate for dialogue on how to improve health care around the globe through biomedical informatics. It has been a pleasure to work with the other committees who have worked hard to bring you this fine program of events that will collectively explore the potential of “eHealth-enabled health.” I wish you all the best for a successful MEDINFO 2015 – Welcome to São Paulo!

Sincerely,

Indra Neil Sarkar, PhD, MLIS, FACMI
Chair, MEDINFO 2015 Editorial Committee

Editorial Committee

EC Chair: Indra Neil Sarkar (US)

EC Members: Paolo Mazzoncini de Azevedo Maques (Brazil)
Andrew Georgiou (Australia)

Welcome message from Scientific Program Committee Co-Chairs

Fernando Martin Sanchez (Australia)
Kaija Saranto (Finland)

We are honoured to commend this program to you all. We acknowledge the personal time and professional input of the large numbers of authors and reviewers. This is an historical event as MEDINFO is hosted in Latin America for the first time. Under the theme “eHealth-enabled Health”, the world leaders in this field are gathered in São Paulo, Brazil to share knowledge and analyze how Health and Biomedical Informatics is contributing to address some of the most challenging problems in health care, public health, consumer health and biomedical research.

The conference program includes 6 keynotes, 179 paper presentations, 278 poster abstract presentations, 27 panels, 30 workshops, 17 scientific demonstrations and 21 tutorials. The papers and other contributions included in the program were carefully selected through a rigorous review process involving almost 400 reviewers for 793 submissions sent by 2500 authors from 58 countries all over the world.

The Scientific Program Committee Co-Chairs are grateful to the four Track Chairs, the members of the Scientific Program Committee and all the reviewers who have contributed to the process, and thank the Editorial Committee, the Local Organizing Committee and the IMIA officers (in particular CEO and VP Medinfo) for assisting us in putting this program together.

Sincerely,

Fernando Martin-Sanchez, PhD, FACHI, FACMI and Kaija Saranto, PhD, FACMI, FAAN
Co-Chairs, MEDINFO 2015 Scientific Program Committee

SPC Members

SPC Chairs

Fernando Martin Sanchez (Australia)
Kaija Saranto (Finland)

SPC Track Chairs

Ameen Abu-Hanna (Netherlands)
Stefan Schulz (Austria)
Fernán González Bernado de Quiés (Argentina)
Elizabeth Borycki (Canada)

SPC Members

APMI
Jim Warren (New Zealand)
Xiu Zhen Feng (China)
Jack Li (Taiwan)
Shinji Kobayashi (Japan)

EFMI
Luis Fernandez Luque (Spain)
Jasmina Kern (Croatia)
Jose Luis Oliveira (Portugal)
Heather Strachan (UK)
Michael Marschollek (Germany)

IMIA-LAC
Erika Coballere (Chile)
Amado Espinosa (Mexico)
Grace T. M. Dal Sasso (Brazil)

IMIA-US-Canada
IMIAS-Canada
George Demiris (US)

MENA
Reda Hussein (Egypt)

HELENA
Wisdom Atiwele (Ghana)

Olyinka Adejuwe (South Africa)

WHO Representative
Najeeb Al-Sharbaji

PAHO Representative
David Navillo
Marcelo D’Agostino
Brazilian Health Informatics Association

SBIS was founded in 1984, and has had a steady growth ever since. Until the mid-90s, SBIS was mostly an academic society. From its very beginning, SBIS has carried out the Brazilian Health Informatics Conference (CBIH) every other year. Around 1995, SBIS started directing part of its efforts to helping developers, users and the public sector to pursue better Health Information Systems. From the late 90s onwards, SBIS has had a very balanced presence among the Academia, the Public Sector and Suppliers Developers. In 2002, SBIS and the Federal Medical Council (CFM) signed an agreement directed at developing and deploying an EHR systems certification process. That initiative raised SBIS’s profile and attracted many new members, from suppliers to users to policy-makers. The advent and success of the Brazilian Committee on Standards for Health Informatics, a mirror committee to ISO TC 215, was to a great extent the result of initiatives organized by SBIS.

SBIS Executive Office comprises a President, a Vice-President, a Treasurer and a Secretary who are elected by the GA. Apart from them, the GA also elects a Financial Committee – formed by 3 people, an Ethics Committee and a Membership Committee, whose members have the task of assessing new requests for membership and also evaluate requests for promotion to full member. All proposals for accepting, turning down or promoting any members are assessed and usually ratified by the GA.

The Journal of Health Informatics (JHI) is an official publication of the Brazilian Health Informatics Association. It is a peer-reviewed free and open-access journal published quarterly. JHI provides an international medium for dissemination of original articles and interpretative reviews concerning the field of Health informatics.

SBIS is very well regarded within the country and abroad as an unbiased, knowledgeable and respected association. It has strong relations with public and private organizations from the ITC as well as the Health and Educational sectors. Above all, SBIS is seen as a great organizer of flawless technical and scientific meetings.

Keynote Speakers

Amnon Shabo (Shvo)
Chair, IMA Working Group on Health Record Banking
Chair, EFMI Working Group on Translational Health Informatics
Translational & Interoperable Health Infrastructure – The Servant of Three Masters

Amnon Shabo (Shvo), PhD, specializes in health informatics and worked at IBM Research Lab in Haifa for years 2000-2014. He co-founded and chaired the Medical Informatics Community in IBM Research and headed the IBM worldwide program on healthcare & life sciences standards. Amnon established and chairs two professional work groups: (1) the IMA Work Group on Health Record Banking and (2) the EFMI Work Group on Translational Health Informatics. Amnon has been leading a few standardization activities. He established and co-chairs the HL7 Clinical Genomics Work Group and is a co-editor of the Clinical Document Architecture (CDA), Continuity of Care Document (CCD), the Family Health History (Pedigree) and the Genetic Testing Report (GTR) standards. Amnon specializes in longitudinal and cross-institutional Electronic Health Records and is a pioneer of the Independent Health Record Banks vision. He is currently a Research Fellow at the Department of Information Systems, University of Haifa and can be contacted at amnon.shvo@gmail.com

Fernan Gonzalez Bernaldo de Quiros
Vice Director for Strategic Planning
Hospital Italiano de Buenos Aires, Argentina
Transforming Healthcare through Clinical Information Systems: Is it an impossible task?

He graduated with honors from the School of Medicine in 1987. Since 2002 he serves as Head of the Department of Human Physiology. In 1992 he created the Medical Management Health Plan and a Fellowship in Health Management. In 1999 he led the creation of the Department of Health Informatics and developed a residency program for health professionals. He was in charge of the development of the HIS and the terminology server project that gives interface services based on SNOMED CT to different clinic application in different countries of Latin-America. He also led several training programs in the region, including a Spanish version of the OHSU 5007 program. He serves as Vice - Director for Strategic Planning since 2003. In 2004 he was elected Chair of Argentine HL7 chapter and was appointed Head of Clinical Research in Internal Medicine. In 2010 he was named Fellow of the American College of Medical Informatics. Throughout these years he published more than 50 articles in peer review journals and over 20 chapters / books and 200 international conferences. He is part of the editorial board of several international journals. In 2013 he was elected as member of the eHealth Technical Advisory Group of WHO. Currently he leads the Health Informatics Specialty and the Master in Clinical Research at Hospital Italiano’s University.
Melchor Sánchez-Mendiola  
Professor of Medical Education  
UNAM (National Autonomous University of Mexico)  
Faculty of Medicine, Mexico City, Mexico

Biomedical Informatics Education: Is the glass half full or half empty?

Dr. Melchor Sánchez is a Mexican pediatrician and medical educator. He studied medicine and pediatrics at the Mexican Army Medical School, Mexican Army and Air Force University. He worked as a clinical research fellow in the Laboratory of Human Nutrition and Metabolism, Massachusetts Institute of Technology in Cambridge. He has the degree of Master in Health Professions Education from the University of Illinois at Chicago. Since 2006 he has worked as a full-time Professor in Medical Education and Biomedical Informatics at the National Autonomous University of Mexico (UNAM) Faculty of Medicine. He is responsible for the Master’s and Doctorate in Education in Health Sciences at UNAM. He has been a lecturer in about 400 continuing education courses in Mexico and abroad, on issues related to medical education, evidence-based medicine, pediatrics, medical decision making and biomedical informatics. Author and co-author of 70 articles in national and international journals, 24 book chapters, author-editor of 7 books and 28 thesis. He is Associate Editor of the Journal “Advances in Health Sciences Education”, and Editor of the journal “Research in Medical Education”, Faculty of Medicine, UNAM. He is member of several academic organizations, including the Mexican National Academy of Medicine, the American Academy of Pediatrics, the Society of Directors of Research in Medical Education, the Association for Medical Education in Europe, and the American Educational Research Association.

Najeeb Al-Shorbaji  
Director, Department of Knowledge, Ethics and Research  
World Health Organization Headquarters, Geneva

Convergence of health information technologies to achieve the past 2015 Sustainable Development Goals.

Has been working as Director, Department of Knowledge, Ethics and Research at the World Health Organization Headquarters (WHO/HQ) in Geneva since November 2013 and as Director of the Department of Knowledge Management and Sharing between September 2008 and October 2013. Between February 1998 and August 2008, he held the posts of Information Scientist, Regional Advisor for Health Information Management and Telecommunication and Coordinator for Knowledge Management and Sharing at the WHO Eastern Mediterranean Regional Office in Amman, Alexandria and Cairo. He is from Jordan, married and holds a PhD in Information Sciences since 1986. The current portfolio of Dr Al-Shorbaji covers WHO publishing activities and programmes, library and information services, knowledge networks, eHealth, research and public health ethics, research and knowledge translation and WHO Collaborating Centres. Through his career he initiated, lead and managed a number of regional projects related to access to health information, global networking, capacity building, use of information and communication technology for health. He has published over 100 research articles, book chapters, conference papers and presentations. He is a member of a number of national and international professional associations. He has been invited as keynote speaker at a number of international conferences on eHealth, mHealth, knowledge management and eLearning. He is asked to peer-review scientific articles for a number of international:

Patricia Flatley Brennan  
Mooelhan Bascom Professor of Nursing  
Professor of Engineering  
Director, Living Environments Laboratory  
University of Wisconsin-Madison

Citizen engagement: informatics in the service of health

Patricia Flatley Brennan, RN, PhD, is the Lillian L. Moebihan Bascom Professor, School of Nursing and College of Engineering, University of Wisconsin-Madison, Madison, Wisconsin. Dr. Brennan received a Masters of Science in Nursing from the University of Pennsylvania and a PhD in Industrial Engineering from the University of Wisconsin-Madison. She developed several innovative Internet-based consumer support services, including ComputerLink and HeartCare, which helped home-dwelling patients feel greater connection to other and to recover faster with fewer symptoms. Dr. Brennan directed Project HealthDesign, a RWJ-funded initiative designed to stimulate the next generation of personal health records. She also directed external evaluations of novel HIT architectures. Brennan leads the Living Environments Laboratory at the Wisconsin Institutes for Discovery, which includes a 6-sided virtual reality CAVE that her group uses to re-create visually every environment on earth, and develop new ways for effective visualization of high dimensional data. Supported by AHRQ, her group explores the impact of household contexts on personal health information management. She is fellow of both the American Academy of Nursing (1991) and the American College of Medical Informatics (1993). Dr. Brennan was elected to the Institute of Medicine in 2002, and in 2009 became an elected member of the New York Academy of Medicine.

IMIA François Grémy Award of Excellence

The International Medical Informatics Association (IMIA), at its 2001 General Assembly, held in London, UK, approved the establishment of a Medical Informatics Award of Excellence. The Award was initially made every three years, in conjunction with a Medinfo year. From 2013 onwards, the frequency became every two years, still in conjunction with Medinfo. From 2015, the award is known as the IMIA François Grémy Award of Excellence, in honour of Dr. François Grémy, this change recognises his foundational work in the establishment of IMIA and its predecessors, and his lifelong contribution to health and biomedical informatics in his home country, in Europe, and internationally.

The award is financially supported by the Association Française d’Informatique Médicale (French Medical Informatics Association – AIM), as well as a financial contribution from the Schweizerische Gesellschaft für Medizinische Informatik – Société Suisse d’informatique Médicale (Swiss Society for Medical Informatics – SSMI), IMIA Member Societies.

During Medinfo 2015 in Main Auditorium on Saturday, August, 22nd at 10am, it will be held a special session to reward two professionals with the Medical Informatics Award of Excellence.
Conheça o Portal de Saúde do Cidadão

No estande do DATASUS o participante do MEDINFO poderá ter informações sobre o SUS e os softwares do MS disponíveis para a gestão da informação e a oportunidade de fazer o seu Cartão Nacional de Saúde e ver um exemplo prático de interoperabilidade através de outros sistemas expostos nos estandes de outros patrocinadores do evento.

De uma forma muito prática demonstraremos a operação e a precisão do barramento da saúde e como isso facilita a vida dos profissionais de saúde e aumenta a segurança clínica do paciente, garantindo a identificação unívoca.

Essa conquista é sua!!

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A plataforma MV integra diversas soluções para responder com eficiência, agilidade, precisão e segurança às todas as necessidades de gestão da informação na saúde. O sistema padroniza e garante todos os processos de unidades públicas e privadas, disponibilizando informações confiáveis para apoio nas tomadas de decisão.

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É muito mais eficiência na gestão de saúde.
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A tecnologia InterSystems® permite a troca de informações entre instituições de saúde o acesso aos dados analíticos dos pacientes de forma integrada, a partir de qualquer local, a qualquer momento. Com isso, a tecnologia InterSystems® oferece amplo suporte aos profissionais de saúde, melhorias efetivas de gestão e vantagens ao cidadão, como redução de filas e melhor atendimento.

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Dr. Eneas José de Mattos Faleiros

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Na primeira edição do Medinfo na América Latina, te convidamos a discutir como um sistema de apoio à decisão pode melhorar os resultados clínicos das organizações.

Data: 22 de Agosto de 2015
Horário: 13h às 14:30
Sala: 8

Mais informações sobre a Cerner Brasil acessar www.cerner.com.br ou e-mail para info_brazil@cerner.com

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openEHR

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A Toshiba Medical Systems Group Company
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<td>PNR018</td>
<td>Perspectives on Training the Next Generation of Healthcare Professionals</td>
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<td>Optimizing the Use of Observational EHR Data: Current Issues and Emerging Strategies</td>
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<td>Coursing On Health IT Evaluation: Development &amp; Revalidation</td>
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<td>Gala Dinner</td>
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<td>Aug 22</td>
<td>07:00 - 08:30</td>
<td>PPRR21</td>
<td>SYM607</td>
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<td>Health Information Technology: Adapting Human Factors to Improve Patient Safety</td>
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<td>FROM SMALL TO BIG TO RICH DATA: Dealing with new sources of data in Biomedicine</td>
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<td>AUG 23 Sun</td>
<td>07:00 - 08:00</td>
<td>WOR25 Experiences on Developing a National eHealth Strategy (part 1)</td>
<td>PPRR07 Data Integration</td>
<td>PNL27 Game-based Learning to Advance Healthy Lifestyles</td>
<td>PPRR20 Mobile Health II</td>
<td>DEM09 Knowledge Management II</td>
<td>WOR09 IMIA Working Group on Health Record Banking - Workshop on Health Information Exchange Challenges</td>
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<tr>
<td>08:20 - 09:30</td>
<td>WOR25 Experiences on Developing a National eHealth Strategy (part 1)</td>
<td>PPRR07 Data Integration</td>
<td>PNL27 Game-based Learning to Advance Healthy Lifestyles</td>
<td>PPRR20 Mobile Health II</td>
<td>DEM09 Knowledge Management II</td>
<td>WOR09 IMIA Working Group on Health Record Banking - Workshop on Health Information Exchange Challenges</td>
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<td>10:00 - 11:00</td>
<td>KEY05 Ammar Shafee (Shwe)</td>
<td>Translational &amp; Interoperable health infrastructure - The servant of three masters</td>
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<td>11:00 - 12:00</td>
<td>Coffee Break &amp; Exhibition &amp; Networking</td>
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<td>11:30 - 13:00</td>
<td>WOR25 Experiences on Developing a National eHealth Strategy (part 2)</td>
<td>WORK06 Standards in Clinical Decision Support Activities in Health Level Seven and Beyond</td>
<td>PNL42 Interoperability of Home Health Care Information Across Care Settings: Challenges of Flow From Hospital to Home</td>
<td>PPRR27 Electronic Health Records III</td>
<td>DEM07 Biomedical Data and Information Processing II</td>
<td>WOR09 Big Data &amp; Healthy Mining for Public Health</td>
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<td>13:30 - 14:30</td>
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<td>14:30 - 15:30</td>
<td>KEY06 Noorah Al Shahrani</td>
<td>Convergence of health information technologies to achieve the post 2015 Sustainable Development Goals</td>
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<td>15:30 - 16:00</td>
<td>SPS02 Closing Ceremony</td>
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Notes:
- *a* by invitation only
- *b* for registered candidates only
- *c* by subscription, provided by Seiva Turisme
- *d* to be confirmed
## Detailed Program

### DAY 1

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<th>Time</th>
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<th>Session, Title &amp; Authors/Presenters</th>
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<tbody>
<tr>
<td>08:00 - 09:30</td>
<td>Room 1</td>
<td>TUT404</td>
<td>Tutorial Architectural Principles Applied to Integrated Clinical Systems by Kathryn Kuttles, Stanley Huff, Joseph W. Hales, and Laura Heerimann Langford</td>
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<tr>
<td>09:00 - 11:00</td>
<td>Room 4</td>
<td>TUT406</td>
<td>Tutorial Evaluating Health Information and Communications Technologies: Why, How, Challenges by Caitlin Cusack, Brian Dixon, and Eric Poon</td>
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<tr>
<td>09:00 - 11:00</td>
<td>Room 10</td>
<td>TUT405</td>
<td>Tutorial Open Source Big Data Analytics in Healthcare by Patrick B. Ryan and George Hirgacsak, Jan Duke</td>
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<tr>
<td>13:00 - 14:30</td>
<td>Room 11</td>
<td>TUT102</td>
<td>Tutorial The Electronic Health Record - A New Leak by W. Ed Hammond and Dave Hinz</td>
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<tr>
<td>08:00 - 10:30</td>
<td>Room 9</td>
<td>MEE401</td>
<td>Meeting IMIA Board Meeting For change of location, see the IMIA Symposium page in the guide for detailed program information.</td>
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<tr>
<td>10:30 - 12:00</td>
<td>Room 9</td>
<td>MEE401</td>
<td>Satellite Symposium: Simpósio de Informatização Hospitalar For change of location, see the Satellite Symposium page in the guide for detailed program information.</td>
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### Time for Lunch (not included) and Networking

12:00 - 13:00

### Detailed Program

### DAY 2

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<th>ID</th>
<th>Session, Title &amp; Authors/Presenters</th>
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<tbody>
<tr>
<td>08:00 - 09:30</td>
<td>Room 7</td>
<td>MEE401</td>
<td>Meeting Private meeting (*) By invitation only</td>
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<tr>
<td>08:00 - 09:30</td>
<td>Room 8</td>
<td>SPS406</td>
<td>Special Session: Café da Manhã com Accenture: Relações na Cadena de Saúde: Potencialidades e Novos Modelos Assistenciais by Kaveh Safavi, Rene Parente</td>
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<tr>
<td>08:00 - 09:30</td>
<td>Room 1</td>
<td>MEE403</td>
<td>Meeting IMIA NLI - Nursing Informatics For change of location, see the IMIA Symposium page in the guide for detailed program information.</td>
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<tr>
<td>08:30 - 10:00</td>
<td>Room 13</td>
<td>MEE409</td>
<td>Satellite Symposium: 1st IHE Brazil Symposium For change of location, see the Satellite Symposium page in the guide for detailed program information.</td>
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<tr>
<td>08:30 - 12:00</td>
<td>Room 2</td>
<td>SYM407</td>
<td>Meeting cpTICS Exam for registered candidates only For change of location, see the Satellite Symposium page in the guide for detailed program information.</td>
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<tr>
<td>09:00 - 12:00</td>
<td>Room 3</td>
<td>TUT13</td>
<td>Tutorial Certification Standards and Processes for Electronic Health Record Systems: Security, Confidentiality and Quality by Raulio Sabatini</td>
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<tr>
<td>09:00 - 12:00</td>
<td>Room 4</td>
<td>TUT14</td>
<td>Tutorial OpenEHR Practical Approach: From Idea to Application by Samuel Padde, Baruch Fabian, and Ricardo Cruz-Carreia</td>
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<tr>
<td>09:00 - 12:00</td>
<td>Room 11</td>
<td>TUT15</td>
<td>Tutorial A Hands-on Introduction to Natural Language Processing in Healthcare by Scott Duvall and Oiga Peterson</td>
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<tr>
<td>13:00 - 16:00</td>
<td>Room 1</td>
<td>TUT409</td>
<td>Tutorial Visualizing Operational Informatics Data Using R by Leslie McIntosh, Gorine Zabbarovskaya</td>
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</table>
### Detailed Program

#### Time   | Room | ID     | Session, Title & Authors/Presenters
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09:00 - 12:00 | Room 10 | TUT#17 | Tutorial: User centered design in health information systems  
Daniel Luna, Enrique Stanzeibe, Joa Oriz, Carlos Otero, Mauro Garcia Avella
09:30 - 12:00 | Room 8 | SYM#06 | Satellite Symposium: LOINC Portuguese Version Governance System
09:30 - 12:30 | Room 6 | SYM#02 | Satellite Symposium: US-Brazil Health IT Forum  
See the Satellite Symposium page in this guide for detailed program
12:00 - 13:00 |           |       | Time for Lunch (not included) and Networking
13:00 - 14:30 | Room 8 | SP5#08 | Special Session: CFM  
Novas Exigências do CFM para a Certificação de PEP
13:00 - 14:30 | Room 2 | SP5#16 | Special Session: InterSystems  
Engajamento do Paciente  
Raimunda Maruta
13:00 - 16:00 | Room 10 | TUT#16 | Tutorial: Using LOINC for vocabulary in HL7 V2 laboratory messages and HL7 CDA documents  
Humberto Fernán Mandreola Brieux, Fernando Portilia
13:00 - 16:00 | Room 3 | TUT#19 | Design and Implementation of Clinical Databases with openEHR  
Pablo Pazes, Karay Atalag, Luis Marco-Ruiz, Erik Sundsval, Sergio Freire
13:00 - 16:00 | Room 11 | TUT#20 | Tutorial: Learning Distributed Ward Representations and Applications in Biomedical Natural Language Processing  
Jiaping Zheng, Irfeng Yu
13:00 - 16:00 | Room 12 | TUT#21 | Tutorial: Large scale clinical text processing and process optimization  
Olga Patterson, Thomas Ginter, Scott DuVal
13:00 - 16:00 | Room 4 | TUT#22 | Tutorial: Patient Summaries: An International Perspective  
Catherine Chronaki, Philip Scott, Beatriz de Faria Leao, Michä Kimura, Marien Bruun-Rasmussen, Anne Moen, Douglas Frisch
14:00 - 14:30 | Room 13 | SP5#15 | Special Session: Certisign  
Acessibilidade e Conveniência no uso travado do Certificado Digital no PEP  
Murilo Goul
t
14:00 - 16:00 | Room 7 | SYM#04 | Satellite Symposium: Launch of the book ICT in Health 2014 / Lançamento do livro TIC Saúde 2014  
ICT in Health: trends and challenges to improve patient care
14:30 - 16:00 | Room 8 | SP5#19 | Special Session: CFM  
Capaçidade de Médicos na Área de Informática em Saúde

### Detailed Program

#### Time   | Room | ID     | Session, Title & Authors/Presenters
--- | --- | --- | ---
14:30 - 16:00 | Room 2 | SPS#04 | Special Session: Inteligência clínica e sistemas de apoio à decisão: conceitos, requisitos e prática (por MV Sistemas)  
Requisitos do HINSS/FERMAR para Sistemas de Apoio à Decisão Clínica  
Isabel Simão (HINSS Analytica)
Melhorando os resultados clínicos com o uso de TI  
Eleber Araújo (Uhmed Rechef)
MV PEP como ferramenta de governança clínica  
Alexandre Erik (MV Sistemas)
14:30 - 16:00 | Room 13 | SPS#07 | Special Session: How to Prepare a MEDINFO Submission  
Kajsa Saranto, Elizabeth M. Borycki, Indra Neil Sarkar
16:30 - 17:30 | Main Auditorium | SPS#01 | Opening Ceremony  
Welcome address from LSC  
Beatriz de Faria Leao, Claudia Giuliana Alves do Costa  
Welcome address from IMIA  
Lincoln de Assis Maura Jr, Alvaro Margalh
Welcome address from SPAC  
Fernando Martin Sanchez, Kajsa Saranto
IMIA Best Student Paper Awards  
Marian Bally (IBM Research), Elizabeth Borycki
17:30 - 18:30 | Main Auditorium | KEY#01 | Keynote Speaker  
Citizen engagement: Informatics in the service of health  
Patricia Flatley Brennan
18:30 - 20:00 | Exhibition Area | Social | Opening Cocktail  
Exhibition Area Opening

#### Time   | Room | ID     | Session, Title & Authors/Presenters
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07:00 - 08:20 | Room 6 | MEE#04 | Meeting: Applied Clinical Informatics (ACI) Editorial Board Meeting - Schattauer Company
07:00 - 08:20 | Room 12 | MEE#07 | Meeting: IMIA WG/SG - Genomics Working Group
07:00 - 08:20 | Room 11 | MEE#10 | Meeting: IMIA WG/SG - Human Factors
07:00 - 08:20 | Room 10 | MEE#11 | Meeting: IMIA WG/SG - Nursing Informatics
07:00 - 08:20 | Room 4 | MEE#13 | Meeting: IMIA WG/SG - Organizational and Social Issues
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<tr>
<td>07:00</td>
<td>Room 3</td>
<td>MEE15</td>
<td>Meeting IMIA WG/SIG - Francophone</td>
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<tr>
<td>07:00</td>
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<td>Meeting IMIA WG/SIG - IMIA History</td>
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<td>08:20</td>
<td>Room 4</td>
<td>DEM03</td>
<td>Demonstrations on Human, Organizational and Sociological Context - I</td>
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<td>08:20</td>
<td>Room 7</td>
<td>PN147</td>
<td>Panel on Education and Training of Health Professionals and Specialists - II</td>
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<td>08:20</td>
<td>Room 8</td>
<td>PN142</td>
<td>Panel on Electronic Health Records - Drug Allergies and Intolerances</td>
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<tr>
<td>08:20</td>
<td>Room 1</td>
<td>PN149</td>
<td>Panel on Natural Language and Speech Processing - Current Perspectives on NLP for Electronic Medical Records</td>
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**Paper Session: Citizens’ Access to Health and Wellness Information**

**08:20** - Danish citizens and General Practitioners’ use of ICT for their mutual communication
- Perrie Bertelsen, Lone Stub PeterSEN, Maria Taboada, Pierre Zweigenbaum

**08:38** - Evaluating a Proof-of-Concept Approach of the German Health Telematics Infrastructure in the Context of Discharge Management
- Ursula Hübner, Georg Schulte, Birn Selemann, Matthias Quade, Thorsten Rettmann, Matthias Fersico, Nicole Egsbert, Ralf Kuhlisch, Otto Reinhard

**09:14** - Streamlining Physiological Data: General Public Perceptions of Secondary Use and Application to Research in Neonatal Intensive Care
- Carolyn McGregor, Jennifer Health, Yvonne Chat

**09:32** - Usability and Safety of Software Medical Devices: Need for a Multidisciplinary Expertise to Apply the IEC 62366: 2007
- Sabrina Bras Da Costa, Marie-Catherine Beaucourt-Zephir, Christian Bastien, Sylvia Peay

**Paper Session: Clinical Support Decision Systems - I**

**08:20** - Advances in infection surveillance and clinical decision support with fuzzy sets and fuzzy logic
- Walter Kalles, Jereen Breskian de Bruin, Andrea Rappelsberger, Klaus-Peter Adlassnig

**08:38** - ePoint.telemed – An Open Web-Based Platform for Home Monitoring of Patients with Chronic Heart Failure
- Halger Holthe, J. Arthur Semsare

**08:56** - Health Care Decision Support System for the Pediatric Emergency Department Management
- Sara Ben Othman

**09:14** - Influence diagram as a support tool to clinical decision in cardiopulmonary and metabolic rehabilitation
- Petkia Klain, Christian Caramel, Caroline Robinson, Jana Fonseca, Cecilia Flores, Rodriga Mentz

**09:32** - Understanding Deviations from Clinical Practice Guidelines in Adult Soft Tissue Sarcoma
- Esther Goldbrach, Zeer Waks, Ariel Farkash, Marco Monti, Michele Torreirani, Rossella Bertulli, Paolo Casali, Ioa Carmeli

**Paper Session: Clinical Support Decision Systems - II**

**08:20** - Observational Health Data Sciences and Informatics (ODHDS): Opportunities for Observational Researchers
- George Hripcsak, Ian Duke, Nigam Shy, Christian G Reich, Vajtech Huser, Marlin J Schuemie, Marc A Suchard, Roe Woon Pung, Ian Chi Kei Wong, Peter R Rijnbeek, Johan van der Lee, Nicole Pratt, G. Niklas Nøhre, Jack Li, Paul E Stang, David Madigan, Patrick B Ryan

**08:38** - Identifying Repetitive Institutional Review Board Stipulations by Natural Language Processing and Network Analysis
- Fabrice Kury, James Cimino

**08:56** - Leveraging Electronic Tables and a Readily Available Data Capture Platform to Assess Chronic Pain in Children: The PROBE system
- Ubora Anand, Steven Spalding

**09:14** - Normalization of Phenotypic Data from a Clinical Data Warehouse: Case Study of Heterogeneous Blood Type Data with Surprising Results
- James Cimino

**09:32** - Assessing the Collective Population Representational Value of Related Type 2 Diabetes Trials by Combining Public Data from Clinicaltrials.gov and NHANES
- Zhe He, Shaqing Wang, Ekhao Berhane, Chunhua Wang

**Paper Session: Telehealth Solutions**

**08:20** - Bluetooth Reaming for Sensor Network System in Clinical Environment
- Toshihiro Kuroda, Haruo Noma, Kazutoho Takase, Shigeru Sasaki, Iidamasa Takemura

**08:38** - Mobile healthcare system for health checkup and telemedicine in post-disaster situation
- Min Hu, Megumi Sugimoto, Andrew Rebeiro-Hopeve, Yasunobu Kohara, Mihoko Moriya, Ahamed Aish, Shuj Shumizu, Naoki Nakashima

**08:56** - One million electrocardiograms of primary care patients: a descriptive analysis
- Emmanuel Chazard, Milena S Marcalina, Chahile Dumesnil, Alexandre Caron, Daniel Marie, F. Popares, Gregoire Fecheux, Barbara C. Marine, Maria Beatriz M. Alkim, Regis Beuscart, Antonia L Ribero
Detailed Program

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| 08:20 - 08:50 | Room 12 | PPRF18 | Paper Session: Telehealth Solutions  
09:30 - Using Publicly Available Data to Characterize Consumers Use of Email to Communicate with Healthcare Providers  
Ryan Sandefur, David Piettelewicz, Sajil Kharat, Stuart Speedoe |
| 08:20 - 08:50 | Room 11 | PPRF17 | Paper Session: Terminology  
08:20 - Fingerprinting Biomedical Terminologies – Automatic Classification and Visualization of Biomedical Vocabularies through UMLS Semantic Group Profiles  
Bastien Rance, Thi Le, Olivier Bodenreider  
08:38 - Indexing Publicly Available Health Data with Medical Subject Headings (MeSH): An Evaluation of Term Coverage  
David Marc, Rui Zhang, James Bestall, Liel Gatewood, Sajil Kharat  
08:56 - Towards Constructing a New Taxonomy for Psychiatry Using Self-reported Symptoms  
Jessica Ross, Thomas Neylon, Michael Weiner, Linda Dau, Kristin Samecian, Ida Sim  
09:14 - Recruit - an ontology based information retrieval system for clinical trials recruitment  
Diego Patria, Michel Oeyens, Felipe Massafer, Ariane Sasso  
09:32 - Acquiring plausible predictions from MEDLINE by clustering MeSH annotations  
Jose Antonio Mifarre-Simenez, Markus Krenzthaler, Johannes Bernhardt, Catalina Martinez Costa, Stefan Schulz |
| 08:20 - 08:50 | Room 2  | SPRF10 | Special Session: Oracle  
SPPF92 | Workshop on Clinical Decision Support and Guideline Systems and Protocols - I  
Distributed and Personalized Clinical-guideline-based Decision-support System for Patients and their Care Providers: the MobileGuide System  
Mar Peleg, Hermie Hermans, Silvana Quaglia, Yuval Shachar |
| 08:20 - 08:50 | Room 3  | WORF12 | Workshop on Knowledge Acquisition and Processing - III  
Biomedical Semantics in the Big Data Era  
Ronald Ceronet, Lazie Balcany, Olivier Bodenreider (plus speakers: Tamasz Adamusik, Janying Hu, Stefanie Meystra, Patrick Ruch, Stefan Schulz) |
| 08:20 - 08:50 | Room 6  | WORF15 | Workshop on National and International Health IT Projects - I  
New Frontier of Health Informatics: Aged Care Informatics  
Ping Yu, Yang Gong, Anne Maen, Andrew Georgiou, Greg Alexander |
| 10:00 - 11:00 | Main Auditorium | KEYF12 | Keynote Speaker  
Transforming Healthcare through Clinical Information Systems: Is it an impossible task?  
Fernando Gonzalez Bernardoa de Quiras |
| 11:00 - 11:30 | Exhibition Area | | Coffee, Exhibition and Networking |

Detailed Program

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| 11:30 - 13:00 | Room 4 | DEMF08 | Demonstrations on Knowledge Management - I  
RXMix: A Simple Interface for Building Complex Applications from Drug APIs  
Olivier Bodenreider, Lee Peters, Thang Nguyen |
| 11:30 - 13:00 | Main Auditorium | PNF01 | Panel on Information Processing in Clinical Research and Trials - I  
Are We Doing the Right Research in Biomedical and Health Informatics and Are We Doing It Right?  
Reinhild Haas, Antaline Gessubilch, Michio Kimura, Casimir Kulikowski, Anne Maen, Linonj A Maura Jr, Hyeoun-Ae Park |
| 11:30 - 13:00 | Room 2  | PNF03 | Panel on Mobile Technology (M-Health), Apps and Sensors  
E-Health's Global Reach in the Quest for Improved Quality of Care: New Developments, Key Considerations, and Consumer Health Informatics  
Carolyn Petersen, Damarion Babbs, Paul DeMuro, Luis Fernandez Lopez |
| 11:30 - 13:00 | Room 3  | PNF011 | Panel on Molecular Data Processing  
Toward precision medicine: extending the biomedical informatics community tent  
Guillermo Lopez-Campas, Jessie Tenenbaum, Amnon Shadi (Shah), Lewis Frey |
| 11:30 - 13:00 | Room 12 | PPRF35 | Paper Session: Education and Training of Health Professionals and Specialists  
11:30 - A Pilot Study of Computer-Based Simulation Training for Enhancing Family Medicine Residents’ Competence in Computerized Settings  
Aviv Sharshak, Sharan Datta, Elizabeth Barts, Nancy Feng, Alison Skymey, Andre Kushniruk, Siyu Reit, Amitai Ziv  
11:48 - Trust, Perceived Risk, Perceived Ease of Use and Perceived Usefulness as Factors Related to mHealth Technology Use  
Rebecca Schnall, Tracy Higgins, William Brown, Alex Carolla-Diez, Suzanne Baken  
12:06 - On the Development of a Hospital-Patient Web-Based Communication Tool: A Case Study From Norway  
Cancio Gomes, Karl Dylf, Steen Rafaal Bale, Suzan Hornberg  
12:24 - The use of applications in Distance Education: Specialization Course as a support tool for students living in remote areas without internet  
Ana Ema Cifuentes de Oliveira, Renata Franca, Euleldes Castro Junior, Deborah de Castro e Lima Baes, Mariana de Figueiredo Lopes e Maia, Elza Ferreira  
12:42 - Driving the Profession of Health Informatics: The Australian College of Health Informatics  
Christopher Percy, Klaus Veil, Peter Williams, Andrew Ceding, Shu-Teng Law, Heather Grant |
| 11:30 - 13:00 | Room 11 | PPRF15 | Paper Session: Electronic Health Records - I  
11:30 - An Information Paradigm Shift Is Required to Realize EHR benefits  
Evelyn Havenbroch, Heather Grant  
Luiz Ap Vitha Jr, Ivan L. M. Ricarte |
## Detailed Program

### Time | Room | ID | Session, Title & Authors/Presenters
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11:30 - 13:00 | Room 11 | PPR#15 | **Paper Session: Electronic Health Records - I**
12.06 - Systems Architecture for a Nationwide Healthcare System
Jorge Alfonso Del Mar, Hacene Nemerini, Ignacio Friedman
12.24 - Characterizing Patient-Generated Clinical Data and Associated Implications for Electronic Health Records
Iliol Arseniadis, Rabindra Tamayapaj, Saff Khairat, Gyurik Jahn, Daven Schegemann, Mary Kwan, Genevieve Melton, Gretchen Hultman
12.42 - Towards the Implementation of an openEHR-based Open Source EHR Platform (a vision paper)
Pablo Paves

11:30 - 13:00 | Room 10 | PPR#03 | **Paper Session: Natural Language Processing - I**
11:30 - Classification of Contextual Use of Left Ventricular Ejection Fraction Assessments
Youngjun Kim, Jennifer Garvin, Mary Goldstein, Stéphane Meyste
11:48 - Classifying the Indication for Colonoscopy Procedures: A Comparison of NLP Approaches in a Diverse National Healthcare System
Ogio Patterson, Tyler Farbush, Sameer Saini, Stephanie Moser, Sripi Duvall
12.06 - Generation of Natural Language Textual Summaries from Longitudinal Clinical Records
Ayelet Goldstein, Yuval Shahar
12.24 - Heart Failure Medications Detection and Prescription Status Classification in Clinical Narrative Documents
Stéphane Meyste, Youngjun Kim, Julia Hervirland, Jennifer Williams, Bruce Bray, Jennifer Garvin
12.42 - Identifying Patients with Depression Using free-text Clinical Documents
Li Zhou, Amy Baughman, Victor Lei, Kenneth Lai, Amel Navathe, Frank Chang, Maxim Topaz, Margarita Sordo, Madhavan Murthy, Feiran Zhang, Shamin Navathe, Roberta Rocha

11:30 - 13:00 | Room 13 | PPR#13 | **Paper Session: Semantic Interoperability and Medical Language**
11:30 - Analyzing Operative Note Structure in Development of a Section Header Resource
Genevieve Melton, Elliot Arseniadis, Surgeui Pahkhamov, Terrance Adams, Mary Kwan, David Rothenberger, Elizabeth Chen
11:48 - Archetype based patient data modeling to support treatment of psychiatric adnomes
Olga Patterson, Tyler Farbush, Sameer Saini, Gaile Chalopin, Dirk Lindner, Stefan Krupf, Keeslin Denecke
12.06 - Building a semantic interoperability framework for care and research in Achromyoplasia
Marie-Christine Jaunet, Ariane Assefi-Kama, Sébastien Savard, Alessandra Giovannini, Emmanuel Teouze, Xavier Jeunemaitre, Adrien UGON, Pierre-François Plau, Laurent Taubiana
12.24 - Generating and Executing Complex Natural Language Queries across Linked Data
Thierry Harman, Fleur Moupin, Natacha Grabar
12.42 - Standardized Cardiovascular Quality Assurance Forms with Multilingual Support, UMLS Coding and Medical Concept Analyses
Julian Varghese, Sarah Schutz Sünninghausen, Martin Dupas

### Time | Room | ID | Session, Title & Authors/Presenters
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11:30 - 13:00 | Room 9 | SPI#03 | **Special Session: eSaúde para a Brasil**
(per Ministério da Saúde/DATASUS)

### Time | Room | ID | Session, Title & Authors/Presenters
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11:30 - 13:00 | Room 6 | WOR#07 | **Workshop on Electronic Health Records - I**
The openEHR Developers’ workshop
Shinya Koyayashi, Râfaela Pacheco, Karyn Atalag, Sebastian Garde, Ian McInnes, Erik Sundvall
11:30 - 13:00 | Room 1 | WOR#04 | **Workshop on Empirical Research and Evaluation**
Why evidence-based health informatics should have theoretical foundations: Exploring the implications for policy and evaluation
Philip Scott, Niedette de Keizer, Andrew Georgiou, Hanneke Huybregts, Catherine Craven, Michael Rigby
11:30 - 13:00 | Room 7 | WOR#26 | **Workshop on National and International Health IT Projects - IV**
Is Telemedicine Connecting Continents? Learning From the Telemedicine Services in Lusophone
Ludwig Laghe, Chwek Sen, Artur Correia, Alexandra Monteiro (plus speakers: Câmara Costa, Francisco Collet, Luiz Ary Messina, Ana Esteua Hadad, Paula Nascimento Soledad)
11:30 - 13:00 | Room 8 | WOR#13 | **Workshop on Usability, Human-Computer Interaction, Natural User Interfaces - I**
How to present evidence base usability design principles to designers and evaluators developing medication-related alerting functions?
Ramaric Marcille, Sylvia Pelayo, Marie-Catherine Beuscart-Zéphir
13:00 - 14:30 | Room 6 | MEE#06 | **Meeting**
TIGER Meeting
13:00 - 14:30 | Room 1 | MEE#16 | **Meeting**
IMA LAC Meeting
13:00 - 14:30 | Room 4 | MEE#25 | **Meeting**
APAMI GA Meeting
13:00 - 14:30 | Poster Area | POS#01 | **Poster Session - I**
See separate program in this guide
13:00 - 14:30 | Exhibition Area | | **Lunch, Exhibition and Networking**
14:30 - 16:00 | Room 4 | DEM#05 | **Demonstrations on Biomedical Data and Information Processing - I**
SEMCARE - Semantic Data Platform for Healthcare
Phillip Deux, Claudine Riede, Thomas Fassbender, Ángel Harneke, Markus Kreuzthaler, Pablo López-Cerda, Stefan Schulz, Erik van Müllingen, Herman van Haagen, Jan Koos, Hanney Genna, Keeslin Denecke
14:30 - 16:00 | Main Auditorium | PNL#16 | **Panel on Ehealth Tools For Health Authorities and Professionals**
E-Health National Strategies in Latin America
Jorge Farrella, Maikyr Perche, Rodrigo Castro Apablaza, Priscila Baimonte Chaves
14:30 - 16:00 | Room 12 | PNL#22 | **Panel on Information Processing in Clinical Research and Trials - III**
Novel Use of Electronic Health Records Data in Clinical Research
Hui Cao, Michael Matheny, Aaron Kamau, Chunhua Wong
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<td>Room 2</td>
<td>PN1#03</td>
<td>Panel on Patient Portals and Personal Health Records and Systems Designing and Evaluating Patient-Centered Informatics Tools to Promote Shared Decision Making George Demiris, Anne Turner, Daniel Capurro, Sabine Kohl</td>
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<td>14:30 - 16:00</td>
<td>Room 7</td>
<td>PN1#21</td>
<td>Panel on Standards For Exchanging Health Information Innovation in Standards Development: Learning from the past &amp; envisioning the future Charles Jaffe, Ed Hammond, Douglas Frisbie, Diego Kaminski, Kenneth McCuslin</td>
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<td>14:30 - 16:00</td>
<td>Room 11</td>
<td>PPR1#02</td>
<td>Paper Session: Information Retrieval and Text Mining 14:30 - An Approach for Automatic Classification of Radiology Reports in Spanish Viviana Cetin, Marie Filippa, Judy Castaldo 14:48 - Assessing the Need of Discourse-Level Analysis in Identifying Evidences for Drug-Disease Relations in Scientific Literature Madi Rastegar Mashed, Ravikumar Kanvand Eslavvili, Dingcheng Li, Hongfeng Guo 15:06 - Automated Learning of Temporal Expressions Doug Heed, Yilun Sha, Jing Yang, Guy Divita, Geng Zeng, Tretter 15:24 - Identifying Diseases, Drugs and Symptoms in Twitter Antonio Jimenez Yegues, Andrew Maximilian, Bo Han, Qiang Chen 15:42 - Inferring: the CISMEF Context-specific Search Algorithm Merabti Tayeb, Reman Lebarg, Stefan Garmani</td>
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<td>14:30 - 16:00</td>
<td>Room 10</td>
<td>PPR2#19</td>
<td>Paper Session: Web 2.0 15:24 - Web-based auditory self-training system for adult and elderly users of hearing aids Simone Viti, Wanderlei Braga, Daniel Sigler, Ivan Pisa 15:42 - Web-based self-management support interventions for cancer survivors: A systematic review and meta-analysis Ae Ran Kim, Hyeseun Ae Park</td>
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<td>14:30 - 16:00</td>
<td>Room 3</td>
<td>WOR1#27</td>
<td>Workshop on Data Integration eHealth-Enabled Clinical Data Reuse Workshop (part 1) Stéphane Meyzie, Christian Lavie, Hans-Ulrich Pirkreich, Juha Mykkänen, George Hripsmis, Thomas Bürkle, Christoph Lehmann</td>
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<td>14:30 - 16:00</td>
<td>Room 3</td>
<td>WOR1#27</td>
<td>Workshop on Information Processing In Clinical Research and Trials Lessons for mHealth at scale: examples from MemConnect in South Africa and other Low and Middle-Income Countries Peter Benjamin, Patricia Michaud, Olave Velez</td>
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<td>14:30 - 16:00</td>
<td>Room 6</td>
<td>WOR2#17</td>
<td>Workshop on Patient Portals and Personal Health Records and Systems Information to the point of action – new opportunities for medication management? Anne Maen, Catherine Chronaki, Ross Koppel, Petter Hurlen</td>
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<td>14:30 - 16:00</td>
<td>Room 6</td>
<td>WOR2#17</td>
<td>Workshop on Privacy, Confidentiality and Security Protection The Global Protection of Personal Health Data (part 1) Peter Crall, Pekka Ruotsalainen, Eike-Henner Kluge, Berit Blebel, Nalib Ali-Shebby, Paulette Lacroix, Tony Sahama, Mauro Giacomin, Kiyonori Ishikawa</td>
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<td>16:00 - 18:00</td>
<td>Room 4</td>
<td>DEM1#02</td>
<td>Coffee, Exhibition and Networking Demonstrations on Clinical Systems - II 16:30 - Automated Public Health Case Detection Using Routinely Captured Electronic Health Data: The Regenstrief Notifiable Condition Detector Brian Dixon, Shawn Grannis 17:15 - Demonstration of the MediGuide Distributed and Personalized Clinical-guideline-Based Decision-Support System for Patients and their Care Providers Mar Peleg, Hermie Hermans, Silvana Quaglini, Yuval Shahar</td>
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<td>16:00 - 18:00</td>
<td>Room 10</td>
<td>PNR#19</td>
<td>Panel on Data Mining, Machine Learning, Predictive Modeling - II Advances in Approaches to Home Monitoring and Coaching Holly Jimison, Misha Pavel, Nicholas Wickstrom, Anita SantAnna, Adriana Adami</td>
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<td>16:30 - 18:00 Room 8</td>
<td>PN04</td>
<td><strong>Panel on Hospital and Clinical Information Systems - I</strong>&lt;br&gt; The Healthcare Services Platform Consortium: Fostering App Interoperability Needed for a Transforming Health System Robert Greene, Stanley Huff, Jonathan Nebecker, Aziz Beshara</td>
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<td>16:30 - 18:00 Room 3</td>
<td>PN023</td>
<td><strong>Panel on National and International Health IT Projects</strong>&lt;br&gt; Partnering on Global Security Information Systems&lt;br&gt;Franco Jones, Mazmuna Mirza, Raymond Ransome, Phu Tran, Laila Madzagarashvili, Paul Cox</td>
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<td>16:30 - 18:00 Room 12</td>
<td>PPR08</td>
<td><strong>Paper Session: Image and Signal Processing</strong>&lt;br&gt;16:30 - A Cloud-Based Infrastructure&lt;br&gt;for Feedback-Driven Training and Image Recognition&lt;br&gt;Mauri Abeleini, Stefan van Cavelaar, Rajeev Chakravorty, Matthew Davis, Rehman Gazzini</td>
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<td>16:30 - 18:00 Main Auditorium</td>
<td>PPR04</td>
<td><strong>Paper Session: National and International Health IT Projects</strong>&lt;br&gt;16:30 - Applying a geospatial visualization based on USDS messages to real time identification of epidemiological risk areas in developing countries: A case of study of Paraguay&lt;br&gt;Olivia Ornea, Julia Talarico, Juan Piaccolo</td>
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<td>16:30 - 18:00 Room 13</td>
<td>PPR12</td>
<td><strong>Paper Session: Terminologies / Ontologies - II</strong>&lt;br&gt;16:30 - Developing a national-level concept dictionary for EHR implementations in Kenya&lt;br&gt;Aggrey Keny, Steven Wanyangi, Daniel Kwara, Edwin Mulwa, Martin Were</td>
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<td>16:30 - 18:00 Room 9</td>
<td>WOR012</td>
<td><strong>Workshop on Data Integration</strong>&lt;br&gt;elifeHealth-Enabled Clinical Data Reuse Workshop (part 2)&lt;br&gt;Stéphane Meythre, Christian Lavis, Hans-Ulrich Pfeil, Abu Mylkman, George Hirshcock, Thomas Bürlke, Christoph Lehmann</td>
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<td>16:30 - 18:00 Room 1</td>
<td>WOR03</td>
<td><strong>Workshop on Education and Training of Health Professionals and Specialists</strong>&lt;br&gt;Courses on Health IT Evaluation: Development of Recommendations&lt;br&gt;Neeliette de Keizer, Elske Anmemaer, Catherine Craven, Farah Magrabi, Paula Otera, Philip Scott</td>
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<td>16:30 - 18:00 Room 11</td>
<td>WOR01</td>
<td><strong>Workshop on Knowledge Acquisition and Processing - I</strong>&lt;br&gt;Digital Patient Modeling and Clinical Decision Support&lt;br&gt;Kerstin Benecke, Stefan Kopl, Claire Chalopin, Maria Cypa, Yihan Deng, Jan Geebi, Karay Alal &lt;br&gt;</td>
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<td>16:30 - 18:00 Room 2</td>
<td>WOR15</td>
<td><strong>Workshop on Open Data and Open Source Systems</strong>&lt;br&gt;Free/Libre/Open Source Software on elifeHealth toward universal health coverage&lt;br&gt;Shinji Kodayashi, Thomas Karakop, Luis Falco, Alvin Marcelo, Ricardo Carrea, Mike Henderson, Seung K. Mun</td>
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<td>16:30 - 18:00 Room 6</td>
<td>WOR18</td>
<td><strong>Workshop on Privacy, Confidentiality and Security Protection</strong>&lt;br&gt;The Global Protection of Personal Health Data (part 3)&lt;br&gt;Peter Crai, Pekka Ruus.HEI, Elke-Henner Kluge, Bernd Blobel, Naveen Ali Sarbajai, Paul Lo Paris, Sunny Sahama, Meauro Giacomini, Kiyamu Ishikawa</td>
<td></td>
</tr>
<tr>
<td>16:30 - 18:00 Room 7</td>
<td>WOR23</td>
<td><strong>Workshop on Socio-Organizational Impact, Quality Assessment and Improvement</strong>&lt;br&gt;Workshop on the 5th Anniversary IMIA History of Medical Informatics Project: International Directions and Trends of Research and the IMIA History Working Group&lt;br&gt;Casimir Kulikowski, George Mihalis, Valerie Yurcubsahn, Hyesun-eun Park, Lyn Hammer</td>
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</table>

**Gala Dinner**<br>Location: Casa Petra - Av. Arari 1010 - Moema - São Paulo<br>*Separate registration required (limited space)*
### Detailed Program

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<tr>
<td>07:00 - 08:20</td>
<td>Room 12</td>
<td>MEE008</td>
<td>Meeting IMIA WG/SIG - The Primary Care Informatics</td>
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<tr>
<td>07:00 - 08:20</td>
<td>Room 11</td>
<td>MEE009</td>
<td>Meeting IMIA WG/SIG - Health Informatics for Patient Safety</td>
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<tr>
<td>07:00 - 08:20</td>
<td>Room 10</td>
<td>MEE14</td>
<td>Meeting IMIA WG/SIG - Data Mining and Big Data Analytics</td>
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<tr>
<td>07:00 - 08:20</td>
<td>Room 13</td>
<td>MEE20</td>
<td>Meeting IMIA WG/SIG - Security of Health Information Systems</td>
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<tr>
<td>07:00 - 08:20</td>
<td>Room 6</td>
<td>MEE23</td>
<td>Meeting Senior Officer Club of IMIA</td>
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<tr>
<td>07:00 - 08:20</td>
<td>Room 4</td>
<td>MEE24</td>
<td>Meeting IMIA WG/SIG - Language and Meaning in Biomedicine (LaMB)</td>
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<tr>
<td>08:20 - 09:50</td>
<td>Room 4</td>
<td>DEM006</td>
<td>Demonstrations on Biomedical Data and Information Processing - II</td>
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<tr>
<td>08:20 - 09:50</td>
<td>Room 7</td>
<td>PNL18</td>
<td>Panel on Education and Training of Health Professionals and Specialists - III</td>
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<tr>
<td>08:20 - 09:50</td>
<td>Room 8</td>
<td>PNL24</td>
<td>Panel on Hospital and Clinical Informatics II</td>
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<tr>
<td>08:20 - 09:50</td>
<td>Room 11</td>
<td>PNL20</td>
<td>Panel on Information Processing in Clinical Research and Trials - II</td>
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<tr>
<td>08:20 - 09:50</td>
<td>Room 6</td>
<td>PNL02</td>
<td>Panel on Usability, Human-Computer Interaction, Natural User Interfaces - II</td>
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<tr>
<td>08:20 - 09:50</td>
<td>Room 13</td>
<td>PPR025</td>
<td>Paper Session: Clinical Support Decision Systems - II</td>
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<td>08:20 - 09:50</td>
<td>Room 13</td>
<td>PPR25</td>
<td>Paper Session: Clinical Support Decision Systems - II</td>
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<tr>
<td>08:20 - 09:50</td>
<td>Room 13</td>
<td>PPR025</td>
<td>Paper Session: Clinical Support Decision Systems - II</td>
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<tr>
<td>08:20 - 09:50</td>
<td>Room 13</td>
<td>PPR025</td>
<td>Paper Session: Clinical Support Decision Systems - II</td>
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<tr>
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<td>Room 3</td>
<td>PPR04</td>
<td>Paper Session: Natural Language Processing - II</td>
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<tr>
<td>08:20</td>
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<td>PPR04</td>
<td>Paper Session: Natural Language Processing - II</td>
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<td>08:20</td>
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<td>PPR04</td>
<td>Paper Session: Natural Language Processing - II</td>
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<tr>
<td>08:20</td>
<td>Main Auditorium</td>
<td>PPR011</td>
<td>Paper Session: Terminologies / Ontologies - I</td>
</tr>
<tr>
<td>08:20</td>
<td>Room 2</td>
<td>SPS011</td>
<td>Special Session: TICs que Qualificam a SUS (por TelessaúdeRS/UFRGS)</td>
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<tr>
<td>08:20</td>
<td>Room 9</td>
<td>WOR10</td>
<td>Workshop on Electronic Health Records - II</td>
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<tr>
<td>08:20</td>
<td>Room 1</td>
<td>SYM03</td>
<td>Satellite Symposium: World Chinese Health Informatics Symposium (WCHIS)</td>
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<tr>
<td>10:00</td>
<td>Main Auditorium</td>
<td>KEY03</td>
<td>Keynote Speaker</td>
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<tr>
<td>11:30</td>
<td>Room 2</td>
<td>SPS012</td>
<td>Demosntrations on Human, Organization and Sociological Context - II</td>
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<tr>
<td>11:30</td>
<td>Room 4</td>
<td>DEM004</td>
<td>Panel on Controlled Terminologies and Vocabularies - I</td>
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<tr>
<td>11:30</td>
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<td>PNL006</td>
<td>Panel on Data Mining, Machine Learning, Predictive Modeling - I</td>
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<tr>
<td>11:30</td>
<td>Room 13</td>
<td>PPR014</td>
<td>Paper Session: Artificial Intelligence</td>
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<tr>
<td>11:30</td>
<td>Room 1</td>
<td>PPR033</td>
<td>Paper Session: Barriers to Clinical System Implementation</td>
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Day 4, August 22, São Paulo, Brazil

19-23 August, São Paulo, Brazil
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<th>Room, ID</th>
<th>ID</th>
<th>Session, Title &amp; Authors/Presenters</th>
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</table>
| 11:30 - 13:00 | Room 11   | PPR#33 | Paper Session: Barriers to Clinical System Implementation  
12:06 - Health Information Technology Evaluation Framework (HITREF) Completeness as Assessed in Electronic Point-of-Care Documentation Systems Evaluations  
Paulina Sackow, Kathryn Bevilles, Michelle Rogers | 12:30 - 13:00 | Room 3 | WOR#28 | Workshop on EHealth Standards Development Projects  
Tools for interoperability – Time for eStandards?  
Robert Stegwee, Catherine Charniak, Dangioongi, Amnon Shabat,  
Dvree, Mark Bluun-Rasmussen, Kai Heilmann, Charles Jaffee |
| 11:30 - 13:00 | Room 10   | PPR#16 | Paper Session: Electronic Health Records - II  
11:30 - A Practical Approach to Governance and Optimization of Structured Data Elements  
Sarah Collins, Emily Gezner, Stephen Morgan, Perry Mar,  
Savera Mouglia, Darleen Celburn, Diana Tierney, Roberto Retha | 12:30 - 13:00 | Room 2 | SPS#13 | Workshop on Ontologies, Knowledge Bases, Data Models and Metadada  
Practical Use of Terminologies with Clinical Information Models  
Heather Gray, Heather Leslie, Ricardo Pinto, Fabio Faro,  
Giliane Cepola Neto, Assara Hebrich |
| 11:30 - 13:00 | Room 12   | PPR#19 | Paper Session: Mobile Health - I  
11:30 - A Mobile & Intelligent Patient Diary for Chronic Disease Self-Management  
William Van Weenen, Patrick T. Fay, Syed Ali  
11:48 - Availability Communication: Requirements for an Awareness System to Support Nurses’ Handling of Nurse Calls  
Joakim Kieman, Pieter Leusse  
12:06 - Mobile App to Reduce Inactivity in Sedentary Overweight Woman  
Joseph Finkelstein, McKenzie Bedra, Xuan Li, Jeffrey Wood, Pamela Duyang  
12:24 - Mobile health applications, in the absence of an authentic regulation, does the usability score correlate with a better medical regulation?  
Mabin Yasin, Guillaume Marchand  
12:42 - Towards an Ontology-driven Framework to Enable Development of Personalized mHealth Solutions for Cancer Survivors’ Engagement in Healthy Living  
Sahili Myhre, Muhammad Amith, Yinrin Geng, Cui Tao | 13:00 - 14:30 | Room 6 | MEE#05 | Special Session: Cerner  
Melhorando os Resultados Clinicos com Sistemas de Apoio à Decisão  
Enes de Mattos Faleiros |
| 13:00 - 14:30 | Room 12   | MEE#12 | Meeting  
IMIA NI / NDIS16 Scientific Program Committee meeting |
| 13:00 - 14:30 | Room 8 | SPS#05 | Special Session: openEHR Foundation  
OpenEHR Foundation  
Meeting  
Methods of Information in Medicine - Editorial Board Meeting  
Meeting  
IMIA NI / NDIS16 Scientific Program Committee meeting | 14:30 - 16:00 | Room 4 | DEEM#01 | Lunch, Exhibition and Networking  
Demonstrations on Clinical Systems - I  
14:30 - The Flow: An Innovative application implemented at the McGill University Health Center allowing patient-centered communication with personal smartphones  
Aude Meloisy, Jean-Pierre Cordeau, Jorge Porralaza, Jeffrey Baikun,  
Robyn Tenbly |
### Detailed Program

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<tr>
<td>14:30 - 16:00</td>
<td>Room 4</td>
<td>DEM801</td>
<td><strong>Demonstrations on Clinical Systems - I</strong></td>
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<tr>
<td>14:30 - 16:00</td>
<td>Room 6</td>
<td>PNL815</td>
<td><strong>Panel on E-Learning Environments and Mooc - I</strong></td>
</tr>
<tr>
<td>14:30 - 16:00</td>
<td>Room 10</td>
<td>PNL14</td>
<td><strong>Panel on Knowledge Acquisition and Processing</strong></td>
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<tr>
<td>14:30 - 16:00</td>
<td>Room 9</td>
<td>PNL10</td>
<td><strong>Panel on Standards and Guidelines For Telehealth and Telemedicine</strong></td>
</tr>
<tr>
<td>14:30 - 16:00</td>
<td>Room 12</td>
<td>PPR22</td>
<td><strong>Paper Session: Hospital Information Systems</strong></td>
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<tr>
<td>14:30 - 16:00</td>
<td>Room 11</td>
<td>PPR10</td>
<td><strong>Paper Session: Machine Learning and Simulation</strong></td>
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<tr>
<td>14:30 - 16:00</td>
<td>Room 11</td>
<td>PPR10</td>
<td><strong>Paper Session: Machine Learning and Simulation</strong></td>
</tr>
<tr>
<td>14:30 - 16:00</td>
<td>Room 13</td>
<td>PPR29</td>
<td><strong>Paper Session: Usability, Human-Computer Interaction, Natural User Interfaces - II</strong></td>
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<tr>
<td>14:30 - 16:00</td>
<td>Room 7</td>
<td>WDR19</td>
<td><strong>Workshop on National and International Health IT Projects - II</strong></td>
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**Paper Session: Machine Learning and Simulation**

- **14:30 - 16:00** Room 11, **PPR10**
  - Title: **Demonstrations on Clinical Systems - I**
  - Authors/Presenters: Various presentations.

**Panel on E-Learning Environments and Mooc - I**

- **14:30 - 16:00** Room 6, **PNL815**
  - Topic: **Panel on Knowledge Acquisition and Processing**
  - Authors/Presenters: Various contributors.

**Panel on Knowledge Acquisition and Processing**

- **14:30 - 16:00** Room 10, **PNL14**
  - Topic: **Panel on Standards and Guidelines For Telehealth and Telemedicine**
  - Authors/Presenters: Various contributors.

**Panel on Standards and Guidelines For Telehealth and Telemedicine**

- **14:30 - 16:00** Room 9, **PNL10**
  - Topic: **Panel on E-Learning Environments and Mooc - I**
  - Authors/Presenters: Various contributors.

**Paper Session: Hospital Information Systems**

- **14:30 - 16:00** Room 12, **PPR22**
  - Title: **14:30 - The role of Hospital Information Systems in Universal Health Coverage monitoring in Rwanda**
  - Authors/Presenters: Various contributors.

**Paper Session: Medical Learning and Simulation**

- **14:30 - 16:00** Room 11, **PPR10**
  - Title: **14:30 - A Patient Baseline Model to Support Testing of Medical Cyber-Physical Systems**
  - Authors/Presenters: Various contributors.

**Workshop on National and International Health IT Projects - II**

- **14:30 - 16:00** Room 7, **WDR19**
  - Title: **Workshop on National and International Health IT Projects - II**
  - Authors/Presenters: Various contributors.
Detailed Program

DAY 4
AUG 22
Sat

14:30 - 16:00
Room 8
WOR14
Workshop on Other Aspects Related With The Use of Information for Health - II Effective Patient Adherence Management by Enabling Enabling Technologies Pei-Yun Sabrina Hsueh, Vimala Petel, Fernande Martin-Sanchez, Mérica Ita, Chehreh Fatrianian, Mari Vitoria Guissi Bordani, Marlon Ball

14:30 - 16:00
Room 3
WOR30
Workshop on Usability, Human-Computer Interaction, Natural User Interfaces - II ehealth literacy: Exploring how to use and assess ehealth literacy for enhancing the value of patient-centered healthcare technologies Lars Kyser, Berthe Furstrud, Caroli Hulin Lucay Cessio, Paul Turner, Paul Kushniruk

16:00 - 16:30
Exhibition Area
Coffee, Exhibition and Networking

16:30 - 17:30
Main Auditorium
KEY04
Keynote Speaker Biomedical Informatics Education: Is the glass half full or half empty? Melchor Sanchez-Mendia

DAY 5
AUG 23
Sun

07:00 - 08:20
Room 12
MEC22
Meeting IMIA WG/DIG - Health Information Systems (HIS)

08:20 - 09:50
Room 4
DEM09
Demonstrations on Knowledge Management - II 08:20 - A Clinical Knowledge Translation Platform in China Haomin Li, Yinsheng Zhang, Huihui Duan
08:05 - Medical Risk modelling made easy Yassine Laissaoui, Charles Jochim, Stephane Deparis, Regdan Saralewas, Les Delers

08:20 - 09:50
Room 8
PNC016
Panel on Education and Training of Health Professionals and Specialists - IV Informatics Competences and Nursing Education in Brazil Maria Mascarenhas Lelle, Heloisa Pereira, Rika Miyahara Kobayashi, Helmar Marck, Rodrigo Jensen

08:20 - 09:50
Room 2
PNC072
Panel on E-Learning Environments and MOOC - II Game-based Learning to Advance Healthy Lifestyles Qinxing Zheng, Tielin Chen, Shuqian Pan, Reiger Aliferis, Bruce Bray, Carrie Christensen

08:20 - 09:50
Room 10
PPR032
Paper Session: Change Management and Project Planning & Implementation 08:20 - Barriers and facilitators to the introduction of digital pathology for diagnostic work Rebecca Randell, Ray Budde, Darren Treanar
08:38 - Flexibility First, Then Standardize: A Strategy for Growing Inter-Departmental Systems Arun Nartheer Beer

08:20 - 09:50
Room 10
PPR032
Paper Session: Change Management and Project Planning & Implementation 08:20 - Making an APPratice care program for Indigenous cardiac disease Dana Bradford, David Hansen, Mahan Karunananthi
09:14 - Using Patient Journey Modelling to Visualise the Impact of Policy Change on Patient Flow in Community Care Rosemary Sayvong, Joanne Currie

08:20 - 09:50
Room 11
PPR026
Paper Session: Clinical Support Decision Systems - III 08:20 - Clinical Decision Support System: CReating a usability model using PROCent-USP Regina Doga, Heloisa Peres, Dina Cruz, Michelle Jelles, Rila Genza, Diley Ortiz
08:38 - An eHealth Approach to Reporting Allergic Reactions to Food and Clasifying the Knowledge Gap Chris Munro, Aida Semir Ausfoglio, Katarzyna Porz, Phil Ough, Audrey Dunn-Galvin, Nils Peek, Marina Thesim, Care Mills, Ian Buchan, Jonathan Houlshane, Angela Simpson
08:56 - An Architecture for Continuous Data Quality Monitoring in Medical Centers Gregor Endler, Peter K. Schwab, Andreas M. Wahl, Johannes Tesche, Richard Lenz
09:32 - Pre-implementation study of a nursing e-chart: how nurses use their time Blanca Schachtner, Francesca Recaino, Janine Sammer, Zulma Gonzalez, Gabriele Garcia, Daniel Luna, Sandra Benitez

08:20 - 09:50
Room 1
PPR007
Paper Session: Data Integration 08:20 - Architecture to summarize patient-level data across borders and countries Luís A. Bastos Silva, Carlos Dias, Johan van der Lees, José Luis Oliveira
08:38 - Do interoperable national information systems enhance availability of data to assess the effect of scale-up of HIV services on health workforce deployment in resource-limited countries? Tom Oluedoh, David Mutuli, Rose Kiiriny, Anthony Waruiru, Kevin Lanyo, Robert Njogu, James Owang, Keith Warsier, Tnice Richards
08:56 - Improving clinical decisions on T2DM patients integrating clinical, administrative and environmental data Danielle Segnag, Lucia Cecchi, Arianna Egliani, Valentina Tibolla, Paola Leporali, Pasquala De Crito, Luca Chavant, Ricardo Belluzi
09:14 - Syndromic Surveillance of Infectious Diseases meets Molecular Epidemiology in a Workflow and Phylographic Application Daniel Janes, Zachary Wittie, Christian Gibson, Thomas Kraft, Itzelt Sendzur, Jmit Catalyse

19-23 August, São Paulo, Brazil
## Detailed Program

### Time | Room | ID | Session, Title & Authors/Presenters
--- | --- | --- | ---
11:30 - 13:00 | Room 10 | PPRN36 | **Paper Session: Ethics, Education and Economic aspects of eHealth**
12:24 - Improving Hospital-Wide Early Resource Allocation through Machine Learning
Daniel Gartner, Rena Pedman

12:42 - viZiHOME - A context-based home assessment: Preliminary implications for informatics
Gail Casper, Patricia Brennan, Jesse Perreault, Alex Marvin

11:30 - 13:00 | Room 12 | PPRN27 | **Paper Session: Medical Devices: Integration and Application Challenges**
11:30 - Analysis of health processes with Process Mining techniques
Arturo Orellana García, Domín譇 Pérez Alfonsa, Osvaldo Uises Larrea Armendárez

11:48 - Assessing the Potential Use of Eye-Tracking Triangulation for Evaluating the Usability of an Online Diabetes Exercise System
Clara Schanup, Ola Kristian Hejlesen, Gunnar Harvigsten, Eiff Åsård, Lars Bo Larsen, Zhang Hua Tan

12:06 - Micro- and Macro-Integration Profiles for Medical Devices and Medical IT Systems
Rakura Pahanto, Angela Mezveniler, Gerald Schneider, Björn Bergh

12:24 - Product-based Safety Certification for Medical Devices Embedded Software
José Augusto, Jemerson Damásio, Paul Monshalter, Nissel Marais

12:42 - Recognizing Clinical Styles in a Dental Surgery Simulator
Phathanapan Rhemmera, Peter Haddawy, Siriwan Suebneekum, Poonam Shrestha, Matthew N. Daley

11:30 - 13:00 | Room 11 | PPRN06 | **Paper Session: Supporting Medical Research - II**
11:30 - Automatic Selection of Clinical Trials based on semantic web approach
March Cugno, Raúl Campillo-Gimenez, Guillaume Beuzille, Olivier Dameron, Paolo Besana, Wissam Jarraya, Oussama Zeki, Isabelle Giaub, Cyril Garde, Massimiliano Ferron

11:48 - TCGAMAP: A Web-based genomic analysis platform to explore and mine TCGA genomic data for translational research
Zhenzhen Huang, Huijiang Duan, Haipin Li

12:06 - Managing OMICS-Data: Considerations for the Design of a Clinical Research IT-Infrastructure
Nadine Unbasch, Benjamin Leenhartd, Ulrich Sax

12:24 - Patient-Centered Outcomes Research in Practice: The CAPHICORN Infrastructure

12:42 - Conceptual Knowledge Discovery in Databases for Drug Combination Predictions in Malignant Melanoma
Kelly Regan, Satyajeet Raje, Kartik Saravanamuthu, Philip Payne

11:30 - 13:00 | Room 6 | WORF08 | **Workshop on Data Mining, Machine Learning, Predictive Modeling**
Big Data & Reality Mining for Public Health
Marcelo D’Agostino, David Navilla Ortiz, Saroya Julian, Augusto Godella, Ian Breacs, Najeeb Al-Sharbaji

11:30 - 13:00 | Room 7 | WORF06 | **Workshop on Knowledge Acquisition and Processing - II**
Educational Tools to Support Interprofessional Collaboration: International Perspectives on Educating Patient-Centered Care Using EHRS
Kendall Ho, Patricia Abbott, Elizabeth Borycki, Andre Kushniruk

11:30 - 13:00 | Main Auditorium | WORF25 | **Workshop on National and International Health IT Projects - III**
Experiences in Developing a National eHealth Strategy (part 2)
Lincoln A Mora Jr, Najeeb AI-Sharbaji, David Navilla Ortiz (plus speakers: Augusto Godella, Alvin Marcelo, Richard Gakuba, Rob Huisjen, Net Gardner)

13:00 - 14:30 | Poster Area | POSF03 | **Poster Session: III**
See separate program in this guide

13:00 - 14:30 | Exhibition Area | KEYF06 | **Lunch, Exhibition and Networking**

14:30 - 15:30 | Main Auditorium | KEYF06 | **Keynote Speaker**
Convergence of health information technologies to achieve the post 2015 Sustainable Development Goals
Najeeb AI-Sharbaji

15:30 - 16:00 | Main Auditorium | SPSF02 | **Closing Ceremony**
Best Paper Awards
Suzeen Bakker
Invitation to Beijing 2017 MedInfo77 LOC Chair
Closing by MJMA
Lincoln de Assis Mora Jr, Hyeoung-Ae Park, Alvare Margulis
Closing by LOC and SBIS
Beatriz de Faria Leoa, Claudia Giuliana Alves da Costa
### Poster Session

**Poster Session 1: Friday, August 21, 13:00-14:30**

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<td>01</td>
<td>Developing an Electronic Medical Record for Interlinked Care Services in Haiti Adites Marais, Christopher Perkins, Gary Bas, Brighten Auma, Alexandre, Jean Bepere, Marit Duplans, Franz Gerlie, Stephanie Dude, Jean W. Pape</td>
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<tr>
<td>02</td>
<td>Perceived Reasons for High and Low Quality Observational HIV Research Data Stephanie Ouda, Katherine McGowan, Cynthia Gold</td>
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<td>03</td>
<td>Health Information Needs for Child-in-Care Carl Thompson</td>
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<td>04</td>
<td>The e-NutRHS: a web-based system for a Brazilian cohort study Luciana Dias Faletrieri, Nai Tadeu de Silva, Branco de Almeida Pilla, Sandro Roberta Gouvea Reisere</td>
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<td>06</td>
<td>Web-based Video Conferencing Services in Healthcare: One Communication Platform to Support All Andrus Beikerman, Per Hasvold, Gunnar Haagensen, Jehan Gustavo Belleira</td>
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<td>07</td>
<td>Enhancing telecommunication Networks by Patient Participation Martin Steen, Ilka Heinzel, Uwe Engelmann, Johannes Schum</td>
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<td>08</td>
<td>Introducing Home Blood Pressure Teleradiology for Children with Hypertension Melanie Breiden, Ingo Finck</td>
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<td>09</td>
<td>Description of a Mobile-based Electronic Informed Consent System Development Min-A Hyung</td>
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<td>10</td>
<td>Exploring the challenges and opportunities of self-monitoring for sickle cell disease patients David Zacharia, Josem, Alexandre Zaccia, Frederic Fister, Rolf Wolf, Soheil Kesh, Christoph Lewis</td>
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<tr>
<td>11</td>
<td>Impact of a mobile health application in the nursing care plan compliance at a home care service in Belo Horizonte, Minas Gerais, Brazil Felipe Brito, Tatiana Martins, Gustavo Landberg</td>
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<td>12</td>
<td>Using mobile devices to improve the safety of medication administration processes Henr Navas, Luciana Graff Manotas, Eduardo Deodato, Manuel Almeida</td>
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<tr>
<td>13</td>
<td>Developing an online decision app for osteoarthritis Gianni Salicci, Sally Wartley, Davide Magno, Jack Dunsley</td>
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<tr>
<td>14</td>
<td>A Global Analysis of Approaches to Sharing Clinical Data with Patients Jennifer Peh, Fernanda Peli-Parizadeh, Gladis Kugerman, Victoria Feller, Seth Collins, David Vowrey</td>
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<td>15</td>
<td>Rolling Medical Practice: Ambulant Mobile Medical Care for Rural Areas Janas Schwerz, Klaus-Henrik Wolf, Sebastian Schultz, Maxi Reich, Marit Weeger, Uwe Bonnemeyer, Markus Diers, Thomas Fischer, Tilman Heilwig, Stefan Hafrmann, Petra Hall-Krude, Rolf Ascher, Stefan Lenz, Ruth Nauman, Malek Pischek, Jrg Reytenarow, Constanze Richter, Christoph Steinberg, Anja Ziegenspiegel, Julius van Ingen, Reinhold Haus</td>
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<tr>
<td>16</td>
<td>An integrated workflow for secondary use of patient data for research studies Guillaume Bourici, Emmanuel Systermans, Boris Campillo-Gilenez, Eric Renbout, Thibault Ledieu, Marc Cugn</td>
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<td>17</td>
<td>Evaluation of a Cyber Security System for Hospital Network Mohammed Fezil</td>
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<td>18</td>
<td>Measuring ICTs Adoption in Health Care Facilities in Uruguay Cecilia MUR, Juan Gil, Elisa Martinez, Juan Lazeza, Rosana Ochiruu, Belcia Airel, Jorge Peralta</td>
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<td>19</td>
<td>Open Source Software For Patient Data Management In Critical Care. Jacqueline Maass, Nadine Charlier, Olivia Givaud, Rafael Van Den Bergh, Adelin Charles, Nathalie Edema</td>
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<td>20</td>
<td>Service Quality: A Main determinant Factor for Health Information System Success in Low Resource Settings Binhayu Ilahm, Helen Flax</td>
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<td>The impact of an Electronic Medical Record on repeat laboratory test ordering across four Australian hospitals Andrew Georgiou, Ola Voevala, Ling Li, Johanna Westbrook</td>
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<td>Hospitalization Discharge Summary: Standardization of Information Model Andr%C3%A9a Cristina Souza Santos, Claudia Mara, Zilma Reis</td>
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<td>24</td>
<td>Integrating FFHR support for OpenMRS: A proposal for moving from a domain specific API to an standards-based API Suranga Kasturiathawara, Buny Manipp, Grahame Grieve, Paul Biandini</td>
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<td>25</td>
<td>Archetype Development Process of Electronic Health Record of Minas Gerais Thiago Mala, Cristian Oliveira Muller, Rodrigo Guerra</td>
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<td>A Trial of Nursing Cost Accounting using Nursing Practice Data on an Hospital Information System Taismara Takamura, Akkpe Miyahara, Kazuko Iida, Masaaki Ishina, Hidehito Naka, Taishi Miyazawa, Yoshiaki Nakajima</td>
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<td>Study of screen design principles for visualizing medical records Kavishri Fujita, Taismara Takamura, Tomohiro Kuroda</td>
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<td>Methodology to establish associations between data and clinical assessment for computerized nursing process in intensive care units Daniela Bata, Gra Olsens, Fernando Pires</td>
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<td>Clinical Decision Support Based on Integrated Patient Models: A Vision Kerstin Derave</td>
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<td>Clinical Decision Support Using Electronic Medical Records: For the Improvement of Diabetes Care and Proper Use of Insulin for Inpatients Ryema Selia, Susumu Wataanishi</td>
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<td>Internal domain-specific language based on Arden Syntax and FFHR Goan Kioho, Wihara Kan</td>
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<td>Using Discrete Event Simulation to predict KPI’s at a Projected Emergency Room Francesca Renni, Ulrica Nitz</td>
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<td>Virtual Oncological Networks – IT Support for an Evidence-based, Oncological Health Care Management Ketja Heenen, Merkko Sinia, Brita Beckmann</td>
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<td>Why should I? – Acceptance of Health Information Technology among health professionals Joseph D’Souza, Inga Hunter</td>
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<td>Usability Analysis OF A Customized Documentation System For Nurse Population-Health Managers Lindsey Sheehy, Dylan Loam, Tina Olber</td>
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<td>Digital Inclusion for Older Adults based on Physical Activities: an Age Concern Cristina Gusmara, Julia Menegaz Jr, Carmela Pina, Juliana Lima, Jose Barbosa Nelo</td>
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<td>3D CPR Game can Improve CPR Skill Retention Jia Li, Ying Xu, Yimin Xu, Fanyong Chen, Ling Gao, Shunjun Xiao, Shou Ding, Yanwen Cui, Shuiqin Yang, Peiran Chang</td>
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<td>Type 1 diabetes in Twitter: who all listen to? Ula Gebaerda, Alexandra Moshofska, Lus Marcro</td>
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<td>Factors Influencing Consent for Electronic Data Linkage in Urban Latinos Suzanne Bakken, Suzanne Yoon, Mukta Scharer Nalo</td>
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<td>2,000,000 electrocardiograms by distance: an outstanding achievement for telehealth in Brazil Milano S Marilone, Mari Bezzina M. Almeiar, Leonardo Borin, Renata M Figueira, Antonio L Ribeiro</td>
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<td>Audit of primary care electrocardiograms sent as emergency to a telehealth service – the Telehealth Network of Minas Gerais, Brazil Milano S Marilone, Barbara C Carvalho, Aline M Luana, Ana Luiza N Franca, Cristiane G Pessoa, Daniel S Neves, Maria Bezzina M. Almeiar</td>
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Poster Session

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Poster Session

Poster Session 2: Saturday, August 22, 13:00-14:30

Board  Title & Authors
01  Development of Markup Language for Medical Record Charting: A Charting Language
Wei-Na Sung, Yan-Yue-Yung Che, Bao-Hung Jang
02  Evaluating the data completeness in the Electronic Health Record after the implementation of an Outpatient Electronic Health Record
Mauro Siri, Daniel Capurro, Silvia Celabah
03  Using Electronic Medical Record Data to Improve HIV Patient Monitoring, Clinical Decision-Making, and Quality Improvement: Lessons from Rwanda
Nidae Koroma
04  Validation for accuracy of cancer diagnosis in electronic medical record using text mining method
Yura Lee, Seo Yang Shin, Sung Min Ahn, Woo-Sung Kim
05  Future Telehealth and Telecare Reference Design based on IoT Technologies: From Remote Monitoring to Smart Collaborative Services with Decision Support
Martin Gerlach, Frank Reitberger, Jan Pettersen Nyland, Rune Flessen
06  Access Control for the Mobile Assessment System Using ID
Masaharu Nakashima, Tadashi Ishi, Kazuhide Maruyama
07  Development and Usability Evaluation of the Mobile Delirium Assessment App Based on Confusion Assessment Method for Intensive Care Unit (CAM-ICU)
Marie A. Ying Wu, Moon Chang, Xiao Yang, Faqiu Yang, Shuang Xu
08  Viability of biotelecardial signals acquisition system energized by cellphone with NFC
Marcel Kay, Fabio Ibanez
09  Nursing Software for Emergency Triage
Humberto Fernando Mendroa Brevos, Sebastian Guillen, Fernando La Respa, Cesar Mareno, Nemes Berens
10  Providers Expectations on Telemedicine: a qualitative research in a large healthcare network of Latin America
Maria Victoria Guiz Brittany, Fernanda Pizzolato, Inara Simmer, Nemes Berens, Gabriela Garcia, Daniel Luna, Fernan Gonzalez Bernade de Quirres
11  Augmented reality: Real time information concerning medication consumed by a patient
Adrian Gaimar, Gloria Daddo, Mariza Martinez, Daniel Luna, Daniel Gonzalez Bernade de Quirres
12  Is Access to eHealth Records Important for Patients? – Opinions of Healthcare Personnel
Isabella Scordur, Jure Andrist
13  Online Communication and Chronic Obstructive Pulmonary Disease (COPD) in Kerala, India; A prospective, Per Case, Kurt Lijns, Kirsten Sigurd Mathisen
14  A Development of Automatic Audit System for Written Informed Consent using Machine Learning
Tadamasa Tsuchiya, Hitomi Yamada, Jakush Kirai, Kazuya Okamura, Tamenaie Kurita, Shigeki Kuroqan
15  Application Barcoding to Reduce Error of Patient Identification and to Increase Patients’ Information Confidentiality of Text Basedlabelling in a Psychiatric Teaching Hospital
Hi Soo-U, Hing U, Min-Fei Chang, Miel-Rui Lu, Feng-Chuan Chen
16  Diagnostic imaging integrated network: a teleconsultation pilot in public hospitals in Uganda
Kazune Rubia, Uliana Amerlla
17  An exponential increase in Regional Health Information Exchange With Collaborative Policies and Technologies
Norman Stennhagen, Steven Lane, Matthew Eisenberg, Christopher Sharp, Jonathan Palma, Christopher Langhust
18  Implementation of Data Driven Heart Rate and Respiratory Rate Parameters on a Pediatric Acute Care Unit.
Veness Geel, Sarah Poole, Alison Kopp, Jonathan Palma, Terry Patchen, Natalie Pagee, Christopher Langhust, Paul Shureck
19  Screening mammography efficacy: a comparison between screen-film, computed radiography and digital mammography in Taiwan
Abduln Ahmed Ehabkrah, Suleman Alique, Yien Chang
20  Syntactic and Semantic Errors in Radiology Reports Associated With Speech Recognition Software
Mehran Ringer, Brian Ges, Brian Bartholmai

Poster Session

Board  Title & Authors
21  Development of electronic database system specialized for heavy particle therapy
Masumi Muroi, Futaka Aida, Yasuda KODU, Kiku Yoshibata, Masayoshi Ieki, Masahide Kimura, Hiroshi Tsuchi, Tadashi KAMADA
22  Interoperable archetypes with a three folded terminology Governance
Rune Pedersen, Gunnar Ellingsen
23  The Challenge of e-Health Presence in a Petroleum Platform: Contribution of Telemedicine to make the Operation of the Pre-Salt a Reality
Rafael Ferreira, Thago Lopes da Rosa, Clodion Benevento de Campos Lima, Gilson Britte Alves Lima, Itani Dicas da Silva, Priscila Dos Santos Ramos, Alexandre Barbosa, Eduardo Takaoka
24  The impact of implementing a new computerized physician order entry (CPOE) system on pharmaceutical interventions in a tertiary Brazilian hospital
Vladimir Pizzo, Paula Goncalves, Luis Barbosa, Debora Carvalho, Maggi Camargo, Antonio Lima
25  An Electronic Nursing Patient Care Plan Helps in Clinical Decision Support
Chul Min, Eun Weng
26  Computational Comparing and Analyzing All Published Scoring Systems for Diagnosis of Disseminated Intravascular Coagulation
Pascal Kour, James Cinna
27  Precedent approach to decision making in clinical processes
Vladimir Matysh, Yadula Guilev
28  User-centered design to develop clinical applications. Literature review.
Daniel Luna, MAMISA, Zunia Gonzalez, Atdrle Almukarim, Marcelo Risi, MAURO GARCIA, AURILIO, Carlos Otero
29  Characterizing Consumer Health Informatics in Low and Middle Income Countries
Tugba Kutun, Miriam Felix-Neret, Thomas Wetter
30  Global Challenges in People-Centered e-health
Yuli Quaranta, Charles Salton
31  Improvement of Hemoglobin with Repeated Health Checks among Women in Bangladesh
Mirza Nishith Khan, Yasunobu Nabara, Pachra Ghafik, Roshaf Maiur, Ahmed Ashir, Iskandar Nakashama
32  Interpreting Medical Information Using Machine Learning and Individual Conditional Expectation
Yasunobu Nabara, Hadebri Woka, Iskandar Nakashama
33  Lessons Learnt from Evaluation of Computer Interpretable Clinical Guidelines Tools and Methods: Literature Review
Saudanah Khodabakhshi, Esther Nyamama
34  Effects of electronic prescription on pharmacy productivity
Reema Sauri, Supa Peura, Mirkus Liihteenen
35  The need for cost-benefit analyses of eHealth interventions in low and middle-income countries
Meir Fritz, Minah Abebe, Brynn Tidwell
36  PIACS: A System for the Automatic Detection, Categorization and Comparison of Scratch-Related Skin Lesions in Dermatology
Philipp Bruun, Valdemar Horne, Ida Schubel, Sineh Monde, Marit Fritz
37  (Br-SCMM) Brazilian Smart City Maturity Model: A Perspective from the Health Domain
38  Clinical quality control of a large scale teleconsultation service
Mira G Marcellini, Maria Beatriz M Almim, Juma K Maia, Cristina G Pessia, Elaine L Machado, Udaine Sousa
39  Care professionals’ perceived usefulness of a rehabilitation eHealth service in stroke care
Nadie Daveluy, Moria Höggmark
40  End-User Experiences and Expectations Regarding Data Registration and Reuse Before the Implementation of a (New) Electronic Health Record: A Case Study in Two University Hospitals
Eli Jeunes, Noëlle de Keizer, Ameen Abu-Hanna, Martine de Bruijn, Ronald Carrel
41  The Telehealth in Brazil: contemporary tool of access to health
Thais Coelho, Sergio Oliveira
42  Towards a Tool for Malaria Supply Chain Management Improvement in Rural Ghana
Larena Cole, Suzanne Bakken, Lena Mamyrova, Richmond Kadie, Andrew Kanier
43  Special People in Routine Health Information Systems Implementation in South Africa
Lyn Hamner, Edward Nold
Poster Session
Poster Session 3: Sunday, August 23, 13:00-14:30

Board Title & Authors
01 Applicability of Different Types of Patient Records for Patient Recruitment Systems
Birn Schwalbe, Boern Bergh
02 Characterization of Help Desk Issues After the Implementation of an Emergency Department Electronic Health Record
Daniel Curyba, Mauricio Leda, Patricia Giansanti, Silvia Catalán
03 Problem-Oriented Medical Record: Characterizing the Use of the Problem List at Hospital Italiano de Buenos Aires
Marina Franceschi, Maria Victoria Guastin Banoni, Carlos Chave, Marilena Landini, Silvia Benitez, Marian Barbella, Daniel Luna
04 Communication problems between end-users and technicians through a help desk in an Electronic Health Information System
Gabriela García, María Berbelo, Leandro Camase, Silvia Benitez, Diego Guana, Anaïs Baum, Fernando González Bernalda de Guirós
05 Restructuring an EHR System and the Medical Markup Language (MML) Standard to Improve Interoperability by Archetype Technology
Shinji Kimura, Malia Kume, Hisayuki Yoshida
06 Secretary's role in the EHR Documentation and the Implications of Establishing a Structured EHR System
Marcela Alves Johannsen, Ana Marthe Pedersen, Gunnar Ellingsen
07 Implementation of a Teleconsultation Service in the Primary Health Care in Brazil
Redjane Varone Andrea, Marcela Quezene Schmidt, Thiago Dias Serb, Seladige Less Corredor
08 The EU-Project UnitedHealth: User-Centred Design and Evaluation of a Collaborative Information System for a Norwegian Telehealth Service
Berglid Svarradratt, Marit Gerdes, Santiago Martínez, Rune Fensel
09 Smart Glasses - A New Tool in Medicine
Gaurav S. Kaik, Karanpreet Singh, Jahnab Waj Heinwden
10 Study of Development for RFID System to Hospital Environment
SeungKwan Hong, Myung-Wun Song
11 Development and Practice of ISMS at a Radiotherapy Hospital by using IHE Integration Profiles
Yuing-Ying Yang, Yi-Yi Yeh, Moosa Nilak, Yafang Du, Treechuen KAMAC, Shauzi Margarita
12 Design and Development of an EHR for Ebola Treatment Centers in Sierra Leone Using OpenMRS
Hamish Fraser, Jonathan Tetch, Shafali Oza, Samaer Rames, Darius Juzari, Ellen Ball, Andrew Kantor
William Ogola, Andrew Kantor
14 First Steps to Big Data Research in Hospital
Yangheun Shin
15 Implementing Georeferencing in the Decision-Making Process of a Health Care Provider in Uruguay
Elizbeth Silva, Fernande Marade, Julie Leves
16 Optimising Safety, Fidelity And Usability Of An Intelligent Clinical Support Tool (ICST) For Acute Hospital Care: An Australian Case Study Using A Multi-Method Delphi Process
Mark Barts, Bernice Redley, Lema Ogugue, Kimberly Coleman, Nirmal Wadramath
17 Taming the Data Quality Dragon - A Theory and Method for Data Quality by Design
Jess Voeb, Morgan Potts, Jenny Davies
18 Cardiac resuscitation simulator embedded in virtual learning environment to support medical teaching
Istvan Oliva, Zsita Reis, Marlene M Araujo, Gaudia Maria V Freire
19 Standardization of Information about Birth in the Obstetric Discharge Summary
Zsita Reis, Juliane Gaspar, István Oliva, Andréus Cristina Souza Santos, Thais Masa
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<td>Comparison and analysis of top 10 exercise android Apps in mainland China Yuxiang Wang, Lu Sun, Yanning Xu, Qian Xue, Panlu Chang, Ying Wu</td>
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<td>Middleware Supporting Next Generation Data Analytics in Australia Douglas Boyle</td>
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<td>Clinical Trial Feasibility Study Questionnaire Analysis Jakob Søbø-Ray, Martin Duprez, Paul Ritzi</td>
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<td>Extracting Dependence Relations from Unstructured Medical Text Charles Jachin, Yasmine Lassoued, Bogdan Socaciu, Lea Delaleu</td>
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<td>Extraction of Vital Signs from Clinical Notes Olga Patterson, Makale James, Kwame Yia, Benjamin Vierens, Patrick Abu, Theodore Iwashyna, Scott DuVall</td>
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<td>Rule-based Cervical Spine Defect Classification Using Medical Narratives Yihan Deng, Mathias Jacob Graf, Kerstin Derwke</td>
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<td>Texture Analysis of Recurrence Pietsch based on Waves and PDS for Lrurange Pathologies Detection Tatiana Souza, Vinicius Vieira, Zuzele Cordeiro, Silvania Casta, Washington Costa, Micael Andrade</td>
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<td>The MFER structure for coding medical signals in real time Yung Hee Lee, Chang Ho Kim, Sohn Seo Kim, Je Hyuk Kim, Kang Wook Lee</td>
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<td>An HLT-FHIR-based Object Model for a Home-Centered Data Warehouse for Ambient Assisted Living Environments Renato Schivel, Lars Jensen, Edward Schwam, Klaus-Hendrik Wolff, Reinhard Haix, Michael Marschalek</td>
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<td>Designing an innovative Data Architecture for Los Angeles Data Resource (LADR) Sufaik Mulhiedin, Robert Jenkins, Sebastien Datta</td>
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<td>Integrated database and knowledge base for genomic prospective cohort study in Tahku Medical Mepabax toward personalized prevention and medicine Sachio Ohashi, Takao Takas, Kazume Shimkawa, Satoshi Negami, Hiroshi Terasaki, Jun Nokaya</td>
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<td>56</td>
<td>Integration of Disease Specific Clinical and Genomics Datasets using E2B Framework Meheruddin Maharuddin</td>
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<td>Semantic Web Ontology and Data Integration: a Case Study in Aiding Psychiatric Drug Repurposing Chen Liang, Jinhui Sun, Cuizhe Li</td>
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<td>A Metadata based Knowledge Discovery Methodology for Seeding Translational Research Cartik Kathari, Philip Payne</td>
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<td>Development of a dynamic and adaptive simulator for health Jose F. Fabrizio Arango, Jacek W Smith, Adriana Carre, Carolina Tamaya, David Mejia, Edison Castellón, Evar Torres, Ivan Luna, Natalia Restrepo, Sebastian Velez, Camila Rendón</td>
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<td>Impact of data quality assessment on development of predictive models Jitendra Jemnagudda, Swag-teng Uaw, Pradeep Ray</td>
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<td>61</td>
<td>Improving Hospital-wide Patient Scheduling Decisions by Clinical Pathway Mining Daniel Galet, Hsin-Wen Anblend, Stefan Nickel</td>
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<td>‘Quartile’ screening method to analyze the relationship between HIS and ‘AEROS’ in Japan Takayuki Hitohria, Naotomo Matsumoto, Teruhi Ueda, Katsuyuki Harayama, Yuki Minami, Shinsuke Takada</td>
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<td>Utilizing Dental Electronic Health Records Data to Predict Risk for Periodontal Disease Thanham Thayakkarai, Rima Padmas, Kamal Vyasahore, Prakshita Darade, Pratap Parpale</td>
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<td>Facilitating Full-text Access to Biomedical Literature Using Open Access Resources Hangyu Xing, Zhen He, Joe L.</td>
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<td>Design of a Graph Based System for Similar Case Retrieval of Pulmonary Nodules Javier Riera, Mariona Aribau, Josep Lluiss, Ole J.</td>
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<td>A Medical Image Backup Architecture Based on a NoSQL Database and Cloud Computing Services Luan Almeida, Marcela Oliveira</td>
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<td>A Pilot Ontology for Healthcare Quality Indicators Pam White, Abul Raudsiar</td>
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### Satellite Symposiums

**International Hospital IT Symposium**
**Simpósio Internacional de Informatização Hospitalar**
*(Presented only in Portuguese)*

**Aug 19 (Wed)**
**Room 7**

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### Apoio

- **anahp**
- **CMB**
- **fehosp**

### Parceria

- **NetApp**

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| 08:30 - 09:00 | Bebê vinda e mensagem aos hospitais brasileiros  
Carles Figueiredo – Diretor Executivo da ANAHIP  
Edson Regatti – Presidente da FEHOSP e da CMB  
Beatriz de Faria Leão – Presidente da SBIS |
| 09:00 - 10:00 | TI como suporte à atividade assistencial: expandindo a atuação para além da gestão administrativa e financeira  
Estratégias de integração entre corpo assistencial e TI – Klinton Simão, Grupo São Camilo  
Governança Clínica – Gabriel Dalila Costa, Hospital Meninos de Vento |
| 10:00 - 11:00 | Como gerenciar o TI em tempos de Cloud e Mobilidade?  
Estratégias de BYOD – Ricardo Santoro, Hospital Albert Einstein  
Cloud computing na prática – Sérgio Brasil, Rede Imar de Hospitais  
Desafios de uma TI Corporativa – Adriano Oliveira, Rede D’ar |
| 11:00 - 11:30 | Coffee Break |
| 11:30 - 12:30 | Modelos de maturidade e adoção: qual o caminho para o hospital digital?  
Directores de TI dos ANAHIP: Claudia Guillana Alves da Costa, FOLKS e-Saúde  
Em busca do estágios 7 da EMRAM – Lilian Correa, Hospital Samaritano de São Paulo  
Modelo de Adoção do Prontuário Eletrônico da HIMSS (EMRAM) – Isabel Simão, HIMSS Analytics |
| 13:00 - 14:00 | Intervalo para o almoço |
| 14:00 - 15:00 | Tecnologias e experiências para o engajamento do paciente  
Porta da Paciente – Margareth Ortiz de Camargo (Magge), Hospital Síria Libanês  
Mídias e Redes Sociais – Lilian Hoffmann, Beneficência Portuguesa de São Paulo |
| 15:00 - 16:00 | Arquitetura da Informação e interoperabilidade: preparando e presente para o compartilhamento futuro das informações clínicas  
Padronização da história clínica: Servidores de terminologia – Daniel Luna, Hospital Italiano de Buenos Aires  
SNOMED como uma realidade no Brasil – Maçar Perez, Datassus |
| 16:00 - 16:30 | Coffee Break |
| 16:30 - 17:30 | Internet of things e Wearables: e-Saúde para os hospitais  
Há um novo negócio para os hospitais – Kaveh Safavi, Lider Global de Saúde, Accenture  
Acelerando a adoção da saúde digital – Vitor Asselliano, Uve Healthcare |
| 17:30 - 18:00 | Encerramento |

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### Satellite Symposiums

**US-Brazil Health IT Forum by U.S. Consulate**
**FÓRUM Sobre Transformação em Saúde**
**“A TI em Saúde Como Catalisador da Mudança”**
**Aug 20 (Thu)**
**Room 6**

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### Patrocinadores de Fórum

- **Platinum**
- **Gold**
- **Silver**

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### UNITEDHEALTH GROUP

O Departamento Comercial da Consulado-Geral das Estados Unidos está organizando o Fórum da Transformação em Saúde com a participação de delegação de especialistas americanos; órgãos de governo brasileiro, planos de saúde e entidades do setor privado.

Quinta-feira, 20 de Agosto das 09:30h às 16:30h, sala 6.

Na ocasião serão debatidos temas como soluções tecnológicas, desafios e tendências do setor, dentre os quais podemos citar:

- Repensando o Setor de Saúde
- A Tecnologia na Saúde Suplementar - Retorno do Investimento (ROI)
- Novos Modelos de Negócios no Setor de Saúde
- Saúde da População
- Envolvimento do Paciente através da Tecnologia
- Gerenciamento de Cuidados de Precisão
- O desafio da Interoperabilidade dos sistemas

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### Empresas Participantes do Fórum

- **3M**
- **Allscripts**
- **Medweb**
- **Railroad 5**
- **IteMedik**

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### Apoiadores do Fórum

- **AMIA**
- **anahp**
- **Health 2.0 Latin America**
- **Health enabled Health**
- **Medinfo 15**
Satellite Symposiums

World Chinese Health Informatics Symposium

Welcome to the World Chinese Health Informatics Symposium-Medinfo 2015.

Greetings from Ying Wu, the Vice President of the China Medical Informatics Association(CMIA) and Chair of the World Chinese Health Informatics Symposium (WCHIS)! For the first time in the history, MIHD and Medinfo2015 Local Organizing Committee have arranged a special event, the WCHIS, for Mandarin-speaking attendees during the 15th World Congress on Health and Biomedical Informatics on the day of 22th August. The WCHIS is organized by CMIA, and co-organized by Taiwan Nursing Informatics Association(TNIA), Association of Medical & Bio-informatics Singapore (AMBIS), and Hong Kong Society of Medical Informatics (HKSM). All Mandarin-speaking attendees from China and around the world and non-Mandarin-speaking attendees from other countries are invited to join us for the event. The most recent advances on health and biomedical informatics in China, new policies at the Central Government level and from the National Health and Family Planning Commission of the People’s Republic of China regarding facilitating the development of biomedical, medical, and health informatics, investments, technology, practices, and researches will be addressed during the event. Topics related to eHealth and mHealth, Nursing Informatics, RemoteCardiac Monitoring, Traditional Chinese Medical Informatics, Electronic Health Record, and implementation of Information Technology and Wearable Devices in the health care field etc. will be delivered through keynote, oral presentation and poster presentation. We are looking forward to seeing you at our symposium.

Satellite Symposiums

1st IHE Brazil Symposium
Aug 20, 08:00 - 12:00, Room 10

ABNT Symposium
Aug 19, 09:00 - 12:00, Room 8

Launch of the book ICT in Health 2014 / Lançamento do livro TIC Saúde 2014
Aug 20, 14:00 - 16:00, Room 7

LOINC Portuguese Version Governance System
Aug 20, 09:00 - 12:00, Room 2

Special Sessions

Acessibilidade e Conveniência no uso Inovador do Certificado Digital no PEP (por Certisign)
Aug 20, 14:30 - 16:30, Room 13

Capacitação de Médicos na Área de Informática em Saúde (por CFM)
Aug 20, 14:30 - 16:00, Room 8

Closing Ceremony
Aug 23, 15:30 - 16:00, Main Auditorium

Engajamento do Paciente (por InterSystems)
Aug 20, 13:00 - 14:30, Room 2

eSaúde para o Brasil (por Ministério da Saúde/DATASUS)
Aug 21, 11:30 - 13:00, Room 9

How to Prepare a MEDINFO Submission
Aug 20, 14:30 - 16:00, Room 13

Integração da Medicina Baseada em Evidências em sistemas de suporte a decisão clínica (por BMJ)
Aug 22, 12:30 - 14:00, Room 2

Inteligência clínica e sistemas de apoio à decisão: conceitos, requisitos e prática (por MV Sistemas)
Aug 20, 14:00 - 16:00, Room 2

Melhorando os Resultados Clínicos com Sistemas de Apoio à Decisão (por Cerner)
Aug 22, 13:00 - 14:30, Room 8

Novas Exigências do CFM para a Certificação de PEP (por CFM)
Aug 20, 13:00 - 14:30, Room 8

Opening Ceremony
Aug 20, 16:30 - 17:30, Main Auditorium

Relações na Cadeia de Saúde: Potencialidades e Novos Modelos Assistenciais (Café da Manhã com Accenture)
Aug 20, 08:00 - 09:30, Room 8
### Special Sessions

- **Sessão openEHR Foundation**
  Aug 21, 12:00 - 12:30, Room 2
- **Sessão Oracle**
  Aug 21, 08:20 - 09:50, Room 2
- **Sessão Vital/Toshiba**
  Aug 22, 11:30 - 12:00, Room 2
- **TICs que Qualificam o SUS (por TelessaúdeRS/UFRGS)**
  Aug 22, 08:20 - 09:50, Room 2

### Meetings

- **APAMI GA Meeting**
  Aug 21, 13:00 - 14:30, Room 4
- **Applied Clinical Informatics (ACI) Editorial Board Meeting - Schattauer Company**
  Aug 21, 07:00 - 08:20, Room 6
- **œTICS Exam (for registered candidates only)**
  Aug 20, 08:30 - 12:00, Room 13
- **IMIA Board Meeting**
  Aug 19, 09:00 - 18:00, Room 9
- **IMIA General Assembly**
  Aug 20, 08:00 - 16:00, Room 9
- **IMIA LAC Meeting**
  Aug 21, 13:00 - 14:30, Room 1
- **IMIA NI - Nursing Informatics IMIA Board Meeting**
  Aug 20, 08:00 - 16:00, Room 1
- **IMIA NI / NIZ/2016 Scientific Program Committee meeting**
  Aug 22, 13:00 - 14:30, Room 12
- **IMIA WG/SIG - Data Mining and Big Data Analytics**
  Aug 22, 07:00 - 08:20, Room 10
- **IMIA WG/SIG - Francophone**
  Aug 21, 07:00 - 08:20, Room 3
- **IMIA WG/SIG - Genomics Workgroup**
  Aug 21, 07:00 - 08:20, Room 12
- **IMIA WG/SIG - Health Informatics for Development**
  Aug 21, 07:00 - 08:20, Room 2
- **IMIA WG/SIG - Health Informatics for Patient Safety**
  Aug 21, 07:00 - 08:20, Room 11
- **IMIA WG/SIG - Health Information Systems (HIS)**
  Aug 23, 07:00 - 08:20, Room 12
- **IMIA WG/SIG - Human Factors**
  Aug 21, 07:00 - 08:20, Room 11
- **IMIA WG/SIG - IMIA History**
  Aug 21, 07:00 - 08:20, Room 13
- **IMIA WG/SIG - Language and Meaning in Biomedicine (LaMB)**
  Aug 22, 07:00 - 08:20, Room 4
- **IMIA WG/SIG - Nursing Informatics**
  Aug 21, 07:00 - 08:20, Room 10
- **IMIA WG/SIG - Organizational and Social Issues**
  Aug 21, 07:00 - 08:20, Room 4
- **IMIA WG/SIG - Security of Health Information Systems**
  Aug 22, 07:00 - 08:20, Room 13
- **IMIA WG/SIG - The Primary Care Informatics**
  Aug 22, 07:00 - 08:20, Room 12
- **Methods of Information in Medicine - Editorial Board Meeting**
  Aug 22, 13:00 - 14:30, Room 6
- **Senior Officer Club of IMIA**
  Aug 22, 07:00 - 08:20, Room 6
- **TIGER Meeting**
  Aug 21, 13:00 - 14:30, Room 6
A MV é líder brasileira em Sistemas de Gestão de Saúde. Mais de 1000 instituições, 100 mil médicos e 250 mil profissionais no Brasil, América Latina e África, entre hospitais, operadoras de planos de saúde e unidades de saúde pública, já integraram os sistemas MV aos seus cotidianos da gestão de saúde para aumentar a qualidade dos seus produtos e serviços, controlar com precisão seus custos, tornar seus processos mais produtivos e melhorar a rentabilidade dos seus negócios. As soluções MV têm contribuído para melhorar o cenário da saúde, garantindo benefícios para a gestão das instituições e para as pessoas.

O TelessáudeRS/UFRGS é um projeto de pesquisa do Programa de Pós-Graduação em Epidemiologia da Faculdade de Medicina da Universidade Federal do Rio Grande do Sul (UFRGS). O projeto integra pesquisa, ensino e serviço por meio de ferramentas de tecnologia da informação e comunicação, oferecendo teleconsultas, telediagnósticos, teleeducação, desenvolvimento de aplicativos, apoio à implantação de sistemas de informação e apoio a núcleos de Telessaúde. As ações são dirigidas à população, por meio de apoio aos profissionais da atenção primária à saúde (APS) e dos demais ramos assistenciais do Sistema Único de Saúde. O objetivo do projeto é qualificar o trabalho das equipes fortalecendo os atributos da APS, acesso de primeira linha, longitudinalidade, coordenação, integralidade, orientação familiar, orientação comunitária e competência cultural.

Accenture is a global management consulting, technology services and outsourcing company, with more than 336,000 people serving clients in more than 120 countries. Combining unparalleled experience, comprehensive capabilities across all industries and business functions, and extensive research on the world’s most successful companies, Accenture collaborates with clients to help them become high-performance businesses and governments. The company generated net revenues of US$30.0 billion for the fiscal year ended Aug. 31, 2014. Its home page is www.accenture.com.

A Cerner é a maior empresa do mundo em soluções de tecnologia da informação para a saúde. Nossa tecnologia conecta pessoas e sistemas em mais de 18.000 instalações em todo o mundo e nossos serviços atendem as necessidades clínicas, financeiras e operacionais de organizações de todos os tamanhos. Juntamente com nossas clientes estamos criando um futuro onde o sistema de saúde funcione para melhorar o bem-estar de pessoas e comunidades. Com o desenvolvimento de tecnologia da informação da saúde de ponta, oferecemos estratégias que permitem às organizações gerenciar e engajam sua população. Nossas soluções são desenvolvidas com foco nas necessidades dos médicos para que eles possam focar nas pessoas, não na tecnologia.
Sponsors

CERTISIGN

A Certisign é a Autoridade Certificadora líder da América Latina, especialista em segurança para lojas virtuais e desenvolvedora de Soluções Corporativas integradas à Certificação Digital para empresas de todos os portes. Com mais de 1400 Pontos de Atendimento por todo o Brasil, ao longo dos seus 19 anos, já emitiu mais de 7 milhões de Certificados Digitais, possui em seu portfólio de clientes as companhias mais representativas do Brasil e está entre as 50 Empresas Mais Inovadoras do País, de acordo com a pesquisa realizada pela DOM StrategyPartners. Para mais informações acesse: www.certisign.com.br.

openEHR

The openEHR Foundation (http://www.openehr.org) is a not-for-profit organisation managed by University College London, UK. It has a large international membership including individual healthcare professionals and developers, companies and institutions.

openEHR’s vision is of a world in which healthcare routinely obtains benefit from ICT, in particular via:
- lifelong interoperable electronic health records (EHRs);
- computing on health data to improve the quality of health care and research.

openEHR’s mission is based on a few core principles:
- a rigorous technical and platform-based approach to ICT solutions;
- direct ongoing engagement with clinicians to help create future-proof ICT solutions for healthcare;
- trust by clinical professionals, health services, and citizens as patients and users;
- constant implementation.

openEHR is an open community and welcomes members from all parts of the e-health domain.

VITAL

Vital has set the industry standard in next-generation, advanced visualization software for more than 20 years, bringing a strong track record of corporate success and stability to the rapidly changing health care industry.

Our software enables the visualization and analysis of 2D, 3D and 4D images of anatomy and physiological functions using CT (computed tomography) and MR (magnetic resonance) scan data, giving medical specialists time-saving, Web-accessible tools for greater productivity.

When time is critical, radiologists, cardiologists, oncologists, and other clinical specialists trust Vital to contribute to fast, confident analysis and better patient outcomes.

Exhibitors

AGFA HealthCare

Agfa HealthCare, membro do Grupo Agfa-Geaert, é líder global dentre as fornecedoras de diagnóstico por imagem e soluções de TI para a área da saúde. A organização tem mais de um século de experiência no setor da saúde e tem sido pioneira no mercado de TI desde o início dos anos 90. Atualmente, a Agfa HealthCare propõe, desenvolve e entrega sistemas de ponto para rastreio, administrar e processar imagens de diagnóstico e informações clínicas-administrativas para instituições de saúde, fornecendo serviços de consultoria e sistemas de gestão hospitalar e clínica (HIS/EMR) para o setor.

AMIA

AMIA is the professional home of leading informaticians: clinicians, scientists, researchers, educators, students, and other informatics professionals who rely on data to connect people, information, and technology.

AMIA (the American Medical Informatics Association) is the center of action for more than 5,000 health care professionals, informatics researchers, and thought-leaders in biomedical, health care and science. AMIA is an unbiased, authoritative source within the informatics community and the health care industry. AMIA and its members are transforming health care through trusted science, education, and practice in biomedical and health informatics.

CloudMed

A CloudMed tem a missão de oferecer soluções específicas para o mercado de saúde, reunindo o melhor da tecnologia Cloud Computing, de motores SaaS (Software as a Service). Essa inovação dispensa o investimento em infraestrutura e servidores, abrindo de forma rápida e segura, acessível 24x7, a partir de qualquer conexão à Internet (roletes, smartphones ou computadores). Operando de forma transparente, ética e com foco nas pessoas, a CloudMed preserva uma grande parceria de suas clientes até seus colaboradores. Nossa equipe é altamente dedicada aos seus clientes, desenvolvendo soluções intuitivas, que suprem as necessidades das entidades de saúde com grande competência.

China Medical Informatics Association (CMA) is an academic organization constituted by specialists, scholars, technologists and administrators focusing on utilization of information technology, communication, and computer sciences in the field of medicine and healthcare. CMA was established in the early 1980s, approved by State Council of the People’s Republic of China. It is a standing member of International Medical Informatics Association (IMIA), and the only representative society from China Mainland in IMIA. The academic activities of CMA are strongly supported by pertinent stakeholders, such as the National Health and Family Planning Commission of the People’s Republic of China, Ministry of Information Industry, National Development and Reform Committee, State Food and Drug Administration, etc.
A E-VAL é uma empresa especializada em serviços e soluções de alta tecnologia focada em Segurança, Certificação Digital e Business Intelligence. A companhia tem se destacado no desenvolvimento de soluções críticas e tecnologias emergentes para eliminação do papel e melhorias de serviços eletrônicos. O diferencial da empresa é sua equipe, formada por profissionais qualificados e comprometidos em trazer o resultado de sucesso esperado para os seus clientes. A história da E-VAL é repleta de soluções inovadoras consagradas no mercado de saúde, financeiro e em outros segmentos da economia.

**EBSCO**

EBSCO Health, part of EBSCO Information Services, is a leading provider of clinical decision support solutions, healthcare business intelligence, and medical research information for the healthcare industry. Our mission is to provide the global healthcare community with the information they need to make informed decisions. EBSCO Health users include librarians, nurses, physicians, administrators, and trainees in medicine, nursing, and allied health. Flagship products include CINAHL®, DynaMed™, Nursing Reference Center Plus™, PEMSsoft, clinical eBooks and eJournals, licensed databases such as MEDLINE®, EBSCOHost®, and EBSCO Discovery Service. EBSCO databases are powered by EBSCOhost®, the premier electronic resource favored by healthcare industry around the world.

**FOLKS**

A FOLKS e Saúde é uma empresa de consultoria e treinamento especializada na área de Informática em Saúde. Sua missão é prover conhecimento e experiência para as instituições de saúde, empresas e governo, bem como aos profissionais da área. Com uma equipe especializada, oferece cursos e treinamentos para capacitação em temas que envolvem tendências da TIC e a adesão às normas e legislações em vigor. A FOLKS e Saúde é parceira HIMSS Analytics no Brasil e possui especialistas aptos a conduzir a sua instituição na direção certa para se tornar um Hospital Paperless e Digital.

**IMIA**

The International Medical Informatics Association (IMIA) is the world body for health and biomedical informatics. As an ‘association of associations’, IMIA acts as a bridging organisation, bringing together the constituent organisations and their members. IMIA provides leadership and expertise to the multidisciplinary health-focused community and to policy makers, to enable the transformation of healthcare in accord with the world-wide vision of improving the health of the world population. The IMIA Yearbook of Medical Informatics has been one of the most visible and valuable “products” that IMIA provides - not only to its members but to the health and biomedical informatics community at large. It is designed to present an overview of the most original, excellent state-of-the-art research in the area of health and biomedical informatics of the past year, to provide surveys about recent developments, and comprehensive reviews on relevant topics in this field, and to provide information about IMIA.

**IOS Press**

The book series Studies in Health Technology and Informatics was started in 1990 to promote research conducted under the auspices of the EC programmes’ Advanced Informatics in Medicine (AIM) and Biomedical and Health Research (BHR) bioengineering branch. A driving aspect of international health informatics is that telecommunication technology, rehabilitative technology, intelligent home technology and many other components are moving together and form one integrated world of information and communication media.

The series has been accepted by MEDLINE/PubMed, Scopus, EMBASE, Book Citation Index - Science and Thomson Reuters’ Conference Proceedings Citation Index. All the volumes are available as ebooks at www.ebooks.iospress.com.

**Live Healthcare Media**


Juntas agregam mais valor ao mercado de saúde através do conteúdo de ponta, networking qualificado e fomento aos negócios na área da saúde.

A fusão consolidou a Live Healthcare Media como a mídia mais influente e inovadora na saúde da América Latina.

**Salux**

Salux Computerization in health

The best software provider for hospital management, with 18 years experience and clients in all regions of Brazil. We have 95% of satisfaction of our customers and we strive for quality, being ISO certified since 2012, year we received awards as a Software company in terms of quality by ASSESPRO.

We have several national CASES as integration of our SUS billing in 52 hospitals with the SIASP project of INCOR and PRODESIP SP, SECONCI SP, as PROSAUDE OSSS, among others.

**Vitra**

Silkâne Healthcare is a leading international technology company that provide software that drive efficiencies and quality in healthcare. Our software, Vitro is a user centered bespoke EMR that has 100% clinician use in hospitals and can be customised with minimal change to the organisations existing processes. Benefit from rapid implementation, immediate user adoption and instant clinical impact. Vitro delivers using your content, your care pathways, your business rules and your clinical expertise. Vitro ensures the users, their content and their patients are at the heart of medical record creating efficiencies, minimising clinical risk and providing better patient outcomes.
Exhibitors

Wolters Kluwer Clinical Drug Information is the provider of aligned medication decision support solutions, including bath drug reference information you can look up at the point of care AND drug data that integrates seamlessly into healthcare systems to power medication-related screening and alerts. By using a global drug database, our Lexicomp®, Medi-Span®, and Facts & Comparisons® applications offer healthcare professionals worldwide a variety of referential, integrated, and embedded data and medication decision support tools with customizable content and screening alerts. Our solutions are accessible online, on the latest smartphones and tablets, and through integration with EMRs and other clinical information systems. Healthcare professionals around the world depend on our single intelligent solution to help enhance medication safety, increase clinical workflow efficiency, and provide high quality care to patients.

Social Events

Opening Cocktail
Date: August 20, 2015 – Thursday
Location: Fiel Conceia Convention Center
Time: 06:30pm - 08:00pm
Open to all delegates

Gala Dinner
Separate registration required (limited space)
Date: August 21, 2015 – Friday
Location: Casa Petra – Av. Aratã, 1010 - Manda, São Paulo
Time: 08:00pm - 11:30pm
Dress Code: Casual business
Price: USD 190.00
Tickets available to purchase at the reception desk until August 21st - 6:00pm, or earlier if sold out
Transfer to and from Gala Dinner venue is not included in the ticket price. If needed, please contact Selva Turismo to hire a transfer.

General Information

CURRENCY
The Brazilian currency is the Real (R$). Most foreign currencies can be exchanged in local banks, ATMs, exchange bureaus, and hotel safes. There are two exchange stores at the Fiel Conceia Shopping Center, integrated to the Convention Center.

WEIGHT AND MEASURES
Brazil uses the metric system for weight and measurements.

TELEPHONE
The country code for Brazil is 55.
The city code for São Paulo is 11.

TIME ZONE
Time Zone is GMT -3 hours (Brazil’s official time).

ELECTRICITY
The electricity supply is 110V but there are 220V outlets identified in most hotels.

BADGES
For organizational and security reasons, your personal name badge must be worn at all times in the congress venue. Your badge is your entrance ticket to all sessions and to the exhibition.

If you lose your badge, a new one may be purchased from the registration desk at a cost of US $20.00. Please note, proof of your original registration must be shown for validation.

CERTIFICATE OF ATTENDANCE
Electronic certificates will be available after September 14th.
Delegates that need immediate proof of attendance can request it from the congress reception desk. MEDINFO 2015 will not send any documents by regular mail.

CLOAKROOM
A cloakroom will be available in the exhibition area during the official Congress hours.

INTERNET ACCESS
Free wireless Internet is available on the 5th floor (Exhibition Area, Pastors Area, Main Auditorium and Rooms 1 to 9).

LOST AND FOUND
Contact the registration desk in case of personal belongings being lost or found.

MEALS
Coffee breaks are included in the registration fee and will be served daily. Lunches on August 21, 22 and 23 are also included. All meals will be served in the Exhibition Area (9th floor).
PRESS AND MEDIA
Members of the press are kindly asked to contact the registration desk for interview requests.

SMOKING POLICY
Medinfo2015 is a non-smoking Congress.

TELEPHONE POLICY
Please respect the congress policy and switch off your mobile phone in all session rooms.

DISCLAIMER
The Organizing Committee will not be responsible for:
Changes in advertised prices.
Stolen or lost personal belongings.
Attendee’s health problems, accidents or other casualties in or outside the Congress Venue.
Claims related rendered by any commercial or not commercial organization.

LOCATION
Fremi Caner Convention Center is located near Paulista Avenue, a diverse network of business hotels, restaurants and cultural options.
Underground Station nearest Fremi Caner Convention Center:
Estação Consolação da Metrô - 1 km walking distance from MEDINFO
Estação Paulista da Metrô - 1.2 km walking distance from MEDINFO

TRAVELING, TRANSFERS AND TOURS
If you need any assistance about hotel, transfers or tours, please contact the official travel agency, Seiva Turismo (+55 11 2973-6469 or 55 11 94768-8246) that is located in the Exhibition Area on 5th Floor.

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Clinical applications, methods, eHealth interventions, and infrastructures for clinicians, nurses and allied health professionals.

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JMIR Medicine 2.0
The official proceedings of the Medicine 2.0 Congress and other eHealth events.

JMIR Medical Education*
Technology, innovation and openness in medical education.

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Education, innovation and technology in cancer care and cancer research, as well as in participatory and patient-centred approaches.

JMIR Public Health and Surveillance
Public health and technology, public health informatics, mass media campaigns, surveillance, participatory epidemiology, and innovation in public health practice and research.

JMIR Rehabilitation and Assistive Technologies*
Development and evaluation of rehabilitation and cyborg technologies.

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For all inquiries, please contact: jmreeditorial.office@gmail.com
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