



# 11th International HL7 Interoperability Conference (IHIC2010)

May 14 – 15, 2010 – Convention Center Windsor Barra Hotel

Rio de Janeiro, RJ, Brazil



## IHIC 2010 ADVANCE PROGRAM Friday May 14, 2010

### Opening Plenary Session Track 1 Alvorada I Room

**CHAIR: LINCOLN DE ASSIS MOURA JR, PhD, Zilics, São Paulo, Brazil**

09:00 – 09:15 **Welcome address, HL7 Brazil – Lincoln de Assis Moura Jr, PhD, Zilics**

09:15 – 09:30 **Welcome Address, Charles Jaffe, PhD, HL7 CEO**

#### Keynote Speech # 1

09:30 – 10:00 **Electronic Health Records Initiatives in South America, Dr. Beatriz Leão, PhD, Zilics**

#### Keynote Speech # 2

10:00 - 10:30 **HL7 CDA – A global standard addressing regional needs. Bob Dolin, HL7 Chair**

**10:30 – 11:00 COFFEE BREAK**

### Ambassador Sessions Track 1 Alvorada I Room

**CHAIR: CATHERINE CHRONAKI, Affiliate Director, HL7 International, GREECE**

11:00 – 11:20 **HL7101 - Gora Datta, MS, BE - HL7 Ambassador - USA Delegate to ISO/TC215 - Group Chairman & CEO of CAL2CAL, US**

11:20 – 11:40 **CDA R2, Diego Kaminker, Chair HL7 Argentina, Argentina**

11:40 – 12:00 **HL7 v3 - Kai Heitmann, Heitmann Consulting, HL7 Germany, Germany**

12:00 – 12:20 **Clinical Genomics, Amnon Shabo, PhD, IBM Haifa, Israel**

12:20 – 12:40 **EHR Functional Model, Gary Dickinson, CentriHealth, USA-Co-Chair of the HL7 Electronic Health Record WG, USA**

### Paper Sessions Track 2 Alvorada II Room

**CHAIR: SERGIO KÖNIG, Chair HL7 CHILE**

11:00 – 11:15 **Aplicación de una ley colombiana bajo comunicación IHE, Sebastian Scotti, Juan Bernal, Fernando Portilla – Colombia.**

11:15 – 11:30 **Protección de los Datos Personales de la historia clínica en Argentina y Uruguay e IHE XDS. Oscar F. Giudice, Jacques Fauquex, Sebastián Scotti, Marcelo Yelen – Uruguay/Argentina.**

11:30 – 11:45 **Pruebas de conectividad y soluciones de integración para sistemas de salud, Julio Carrau, Gustavo Perez – Uruguay.**

11:45 – 12:00 **Development and implementation of CDA R2 based on CCD templates in a Homecare Service Electronic Health Record, Fernando Campos, Daniel Luna, Fernan Gonzalez Bernaldo de Quiros – Argentina.**

12:00 – 12:15 **Integración de los informes radiológicos DICOM dentro de la historia clínica. Sebastian Scotti, Jacques Fauquex – Uruguay.**

12:15 – 12:30 **Almacenamiento externo de los datos patronímicos de un CDA. Lucia Grundel, Marcelo Yelen, Gabriel Sánchez, Jacques Fauquex – Uruguay.**

#### IHIC 2010 Organizing Committee

Fernando Portilla (HL7 Colombia) - Selene Indarte (HL7 Uruguay) - Diego Kaminker (HL7 Argentina)  
Marivan Santiago Abrahao (HL7 Brazil) - Sergio Koenig (HL7 Chile) - Nancy Gertrudiz (HL7 Mexico)  
Julio Carrau (HL7 Uruguay) - Analia Baum (HL7 Argentina) - Diego Lopez (HL7 Colombia)





# 11th International HL7 Interoperability Conference (IHIC2010)

May 14 – 15, 2010 – Convention Center Windsor Barra Hotel

Rio de Janeiro, RJ, Brazil



**IHE Workshop** **Track 3** **Itamarati Room**

11:00 – 12:30 **Integrating the Healthcare Enterprise (IHE) Orientation Workshop**  
**Carlos Guilherme**, *Product Manager, Alert, IHE US and Europe Connectathon participant*  
**Todd Cooper**, *Patient Care Devices Technical Co-Chair and Mike Nusbaum IT Infrastructure Planning Co-Chair*  
**Part 1: In Portuguese**

The IHE Standards Adoption Process: achieving practical interoperability from Standards to IHE Profiles, closing the compatibility gaps:

- Regional and national health information exchange projects: connecting care
- Integrated hospitals (cardiology, laboratory, radiology, pathology, patient care devices, etc.)
- Adoption in operational projects, world-wide

This part will be strategic, but will use the case of a specific profile (implementation guide) to show how the development begins, the selection of standards, the place where vendors participate to implement the profiles, the point where test tools are developed, and interoperable products are integrated into hospital, regional and national projects.

12:30 – 14:00 **LUNCH**

**Plenary Sessions** **Track 1** **Alvorada I Room**

**CHAIR: JUSSARA MACEDO PINHO ROTZSCH, Subcommittee for Architecture and Semantic Interoperability Standards of the National Committee on Health Information and Informatics, Ministry of Health - BRAZIL**

**Keynote Speech # 3**

14:00 – 14:30 **Integrating the Healthcare Enterprise, its critical contribution to interoperability World-wide**  
**Charles Parisot**, *Manager, Interoperability Standards and Testing, GE Healthcare, France*  
*IHE IT Infrastructure Planning co-Chair*

IHE is an international organization that brings together over 300 stakeholder organizations such as healthcare professional associations, government agencies, healthcare providers and research organizations and industry to improve the way computer systems in healthcare share information.

By promoting the coordinated use of established standards such as HL7 V2, V3 and CDA, IHE greatly simplifies the implementation of interoperable systems in support of optimal patient care both within care delivery enterprises and across care settings in regional and national networks.

This presentation will provide an overview of the standards adoption and testing processes used by IHE and highlight some of its standards-based profile specifications that address information exchange for a broad range of healthcare workflows.

A number of successful ehealth projects worldwide that have taken advantage of IHE will be surveyed.

**Keynote Speech # 4**

14:30 – 15:00 **HL7 Interoperability Standards in the UK**, **Ken Lunn, PhD**, *Director of Data Standards and Products Technology Office, NHS Connecting for Health, UK*

15:00 – 15:30 **COFFEE BREAK**

**Send me your CDA Session** **Track 1** **Alvorada I Room**

**CHAIR: SELENE INDARTE MD, CEO Medical Informatics SUAT, Montevideo Uruguay. HI7 Uruguay Chair, URUGUAY**

15:30 - 17:00 **Send Me Your CDA**, **JULIO CARRAU Ing**, *CEO DPI Hospital de Clínicas Montevideo, Uruguay. HL7 Uruguay Secretary.*

**IHIC 2010 Organizing Committee**

Fernando Portilla (HL7 Colombia) - Selene Indarte (HL7 Uruguay) - Diego Kaminker (HL7 Argentina)  
Marivan Santiago Abrahao (HL7 Brazil) - Sergio Koenig (HL7 Chile) - Nancy Gertrudiz (HL7 Mexico)  
Julio Carrau (HL7 Uruguay) - Analia Baum (HL7 Argentina) - Diego Lopez (HL7 Colombia)





# 11th International HL7 Interoperability Conference (IHIC2010)

May 14 – 15, 2010 – Convention Center Windsor Barra Hotel

Rio de Janeiro, RJ, Brazil



## Paper Sessions Track 2 Alvorada II Room

**CHAIR: FERNANDO PORTILLA, . CIO Corporacion Comfenalco Valle - Universidad Libre / Chair HL7 Colombia, COLOMBIA**

- 15:30 – 15:45 **Laboratory Reports using HL7 CDA**, *Muhammad Ejaz, Sharif Hussain, Dildar Hussain, Maqbool Hussain, Muhammad Afzal – Pakistan.*
- 15:45 – 16:00 **Disease-specific Data Standards: A Global Project & Case Study in Tuberculosis**, *Bron W. Kisler, CDISC Co-Founder and Senior Director*
- 16:00 – 16:15 **CDA for Pathology Reports: Korean Perspective**, *Seong-Cheol Bae, Byoung-Kee Yi, Ilkon Kim, Yunsik Kwak – Korea.*
- 16:15 – 16:30 **Design and Implementation of converter v2 and v3 for HL7 Messages**, *Muhammad Atif Khan, Yasir Mehmood, Muhammad Afzal, H Farooq Ahmad – Pakistan.*
- 16:30 – 16:45 **Intrereactive Mapping Tool for HL7 RIM to Relational Database Using Knowledge Game**. *Mariyum Gul, Muhammad Afzal, Maqbool Hussain – Pakistan.*
- 16:45 – 17:00 **Ontologies, Knowledge Representation, Artificial Intelligence – Hype or Prerequisites for Interoperability?** *Bernd Blobel – Germany.*

## IHE Workshop Track 3 Itamarati Room

15:30 – 17:00 **Integrating the Healthcare Enterprise (IHE) Orientation Workshop**  
**Carlos Guilherme**, *Product Manager, Alert, IHE US and Europe Connectathon participant*  
**Todd Cooper**, *Patient Care Devices Technical Co-Chair and Mike Nusbaum IT Infrastructure Planning Co-Chair*  
**Part 2: In Portuguese**

Users and Vendors working together: how can I contribute & influence IHE

- Role of national and regional IHE initiatives, IHE International and Domain Committees
- Relationships with HL7, ISO, DICOM, IEEE and Continua.

This part focuses on the collaborative approach used by IHE in leveraging and supporting the work from standards development organization and other profiling organizations.

From IHE Profiles to conformance testing, closing the implementation gap:

- Helping the implementers, testing tools, connectathons
- Navigating the Technical Frameworks
- Leveraging the test tools and testing process

This part focuses on how the testing process works, development of generic tools and specific tests for specific profiles. The clear distinction between testing and IHE showcases is explained.

19:00 – 22:00 **SOCIAL EVENT**



### IHIC 2010 Organizing Committee

Fernando Portilla (HL7 Colombia) - Selene Indarte (HL7 Uruguay) - Diego Kaminker (HL7 Argentina)  
 Mariivan Santiago Abrahao (HL7 Brazil) - Sergio Koenig (HL7 Chile) - Nancy Gertrudiz (HL7 Mexico)  
 Julio Carrau (HL7 Uruguay) - Analia Baum (HL7 Argentina) - Diego Lopez (HL7 Colombia)





# 11th International HL7 Interoperability Conference (IHIC2010)

May 14 – 15, 2010 – Convention Center Windsor Barra Hotel

Rio de Janeiro, RJ, Brazil



## IHIC 2010 ADVANCE PROGRAM Saturday May 15, 2010

### Opening Plenary Session Track 1 Alvorada I Room

**CHAIR : ALICIA FERREIRA, REPRESENTATIVE OF THE MINISTRY OF HEALTH OF URUGUAY, URUGUAY**

09:00 – 09:15 **A tribute to J. Dudeck, Bernd Blobel, PhD, Chair HL7 Germany**

#### Keynote Speech #5

09:15 – 09:40 **Terminology Standards in the Netherlands, Ronald Cornet, PhD, Dept. Of Medical Informatics, Academic Medical Center, University of Amsterdam**

#### Keynote Speech #6

09:30 – 10:00 **Medical Knowledge Representation, Daniel Luna, MD - Chief of Healthcare Informatics Dept. - Hospital Italiano de Buenos Aires**

**10:00 – 10:30 COFFEE BREAK**

### Paper Sessions Track 1 Alvorada I Room

**CHAIR: SELENE INDARTE MD, CEO Medical Informatics SUAT, Montevideo Uruguay. HI7 Uruguay Chair, URUGUAY**

10:30 – 10:45 **CD2W - Clinical Document Data Warehouse, Josep Vilalta, Diego Kaminker, Josep M Picas Vidal, M. Luisa Bernard Antoranz, Cristina Siles – Spain.**

10:45 – 11:00 **HL7 in Personal Health System component's integration for Mental Health Treatment. Juan Carlos Castro Robles. Spain.**

11:00 – 11:15 **Development and implementation of CDA R2 based on CCD templates in a Homecare Service Electronic Health Record. Fernando Campos, Daniel Luna, Fernan Gonzalez Bernaldo de Quiros – Argentina.**

11:15 – 11:30 **Design and Implement an Electronic Health Records Platform Based on the Management of the Personal Consent. Yi-yun Ke, Der-ming Liou – Taiwan, Province of China.**

11:30 – 11:45 **Establishing Semantic Interoperability between HL7 v2.x and V3: A Communication Standards Ontology (CSO), Frank Oemig, Bernd Blobel – Germany.**

11:45 – 12:00 **Towards Automatic HL7-RIM and Relational Database Mapping. Shagufta Umer – Pakistan.**

### IHE Workshop Track 2 and Track 3 Itamarati Room

10:30 – 12:00 **Integrating the Healthcare Enterprise (IHE) Orientation Workshop**  
**Julio Carrau, Director, Hospital de Clinicas "Dr. Manuel Quintela", Montevideo, Uruguay. Presidente de la Sociedad Uruguaya de Estandarizacion Integracion e intercambio de Datos de Informacion en Servicios de Salud**  
**Charles Parisot, IT Infrastructure Planning Co-Chair and Lori Fourquet, IHE Quality Research and Public Health.**

#### Part 1: In Spanish

The IHE Standards Adoption Process: achieving practical interoperability from Standards to IHE Profiles, closing the compatibility gaps:

- Regional and national health information exchange projects: connecting care
- Integrated hospitals (cardiology, laboratory, radiology, pathology, patient care devices, etc.)
- Adoption in operational projects, world-wide

This part will be strategic, but will use the case of a specific profile (implementation guide) to show how the development begins, the selection of standards, the place where vendors participate to implement the profiles, the point where test tools are developed, and interoperable products are integrated into hospital, regional and national projects.

**12:00 – 13:30 LUNCH**

#### IHIC 2010 Organizing Committee

Fernando Portilla (HL7 Colombia) - Selene Indarte (HL7 Uruguay) - Diego Kaminker (HL7 Argentina)  
Marivan Santiago Abrahao (HL7 Brazil) - Sergio Koenig (HL7 Chile) - Nancy Gertrudiz (HL7 Mexico)  
Julio Carrau (HL7 Uruguay) - Analia Baum (HL7 Argentina) - Diego Lopez (HL7 Colombia)





**11th International HL7 Interoperability Conference (IHIC2010)**  
**May 14 – 15, 2010 – Convention Center Windsor Barra Hotel**  
**Rio de Janeiro, RJ, Brazil**



**Plenary Sessions** **Track 1** **Alvorada I Room**

**CHAIR : EDUARDO MARQUES, HL7 Brazil Secretary, BRAZIL**

**Keynote Speech # 7**

13:30 – 14:00 **Collaboration among SDO in Health Informatics – the evolving role of TC 215, Prof. Christopher Chute, Chairman ISO TC251**

**Keynote Speech # 8**

14:00 – 14:30 **LOINC Current status, Dr. Clement J Mc Donald, MD, Director, Lister Hill Center for Biomedical Communications, National Library of Medicine, National Institutes of Health**

**14:30 – 15:00 COFFEE BREAK**

**Logical Record Architecture Workshop** **Track 1** **Alvorada II Room**

**CHAIR: LUIS GUSTAVO KIATAKE, E-VAL, ABNT-ISO, São Paulo, BRAZIL**

15:00 - 16:30 **Innovative Approaches - A Logical Record Architecture Workshop, Nicholas Oughtibridge, BSc FBCS CITP, Lead Architect, Technology Office, Department of Health Informatics Directorate, NHS Connecting for Health, UK**

**Paper Sessions** **Track 2** **Alvorada II Room**

**CHAIR: CLAUDIO GIULLIANO ALVES DA COSTA, President, SBIS Brazilian Health Informatics Association, BRAZIL**

15:00 – 15:15 **Interoperability in Disaster Medicine and Emergency Management, Catherine E. Chronaki, Vassilis Kontoyiannis, Dimosthenis Panagopoulos, Dimitris Katehakis, Dimitris Vourvahakis, Kyriaki Koutentaki-Mountraki -Greece.**

15:15 – 15:30 **Lab Reporting in Brazil Using CDA. Deborah Pimenta. SMS/SP - As. Tec. Tecnologia da Informação. São Paulo. Brasil.**

15:30 – 15:45 **greenCDA – Synopsis of a White Paper, Kate Hamilton. Aalschuler Associates, USA.**

15:45 – 16:00 **Implementation of an IHE XDS-MS Based Electronic Emergency Referral Document System. Xiang-Wei Huang, Der-Ming Liou – Taiwan, Province of China.**

16:00 – 16:15 **Biomedical Information Infrastructure based on HL7 v3 Templates. Amnon Shabo – Israel.**

**IHIC 2010 Organizing Committee**

Fernando Portilla (HL7 Colombia) - Selene Indarte (HL7 Uruguay) - Diego Kaminker (HL7 Argentina)  
Marivan Santiago Abrahao (HL7 Brazil) - Sergio Koenig (HL7 Chile) - Nancy Gertrudiz (HL7 Mexico)  
Julio Carrau (HL7 Uruguay) - Analia Baum (HL7 Argentina) - Diego Lopez (HL7 Colombia)





# 11th International HL7 Interoperability Conference (IHIC2010)

May 14 – 15, 2010 – Convention Center Windsor Barra Hotel

Rio de Janeiro, RJ, Brazil



**IHE Workshop** **Track 3** **Itamarati Room**

15:00 – 16:30 **Integrating the Healthcare Enterprise (IHE) Orientation Workshop**  
**Julio Carrau**, Director, Hospital de Clinicas "Dr. Manuel Quintela", Montevideo, Uruguay. *Presidente de la Sociedad Uruguaya de Estandarizacion Integracion e intercambio de Datos de Informacion en Servicios de Salud*  
**Charles Parisot**, IT Infrastructure Planning Co-Chair and **Lori Fourquet**, IHE Quality Research and Public Health.

**Part 2: In Spanish**  
 Users and Vendors working together: how can I contribute & influence IHE

- Role of national and regional IHE initiatives, IHE International and Domain Committees
- Relationships with HL7, ISO, DICOM, IEEE and Continua.

This part focuses on the collaborative approach used by IHE in leveraging and supporting the work from standards development organization and other profiling organizations.  
 From IHE Profiles to conformance testing, closing the implementation gap

- Helping the implementers, testing tools, connectathons
- Navigating the Technical Frameworks
- Leveraging the test tools and testing process

This part focuses on how the testing process works, development of generic tools and specific tests for specific profiles. The clear distinction between testing and IHE showcases is explained.

**Closing Plenary Session** **Track 1** **Alvorada I Room**

**CHAIR – DR. MARIVAN SANTIAGO ABRAHÃO, CHAIR HL7 BRAZIL, BRAZIL**

16:30 – 17:30 **Round Table**  
**National eHealth Initiatives in South America: Global Health Information Technology Standards serving Local Needs"**

**BRAZIL - Márcia Elizabeth Marinho da Silva**. *IT Manager from DATASUS, from Ministry of Health. Executive Secretary*

**URUGUAY - Gerardo Abreu**, *Representative of the Ministry of Health of Uruguay*

**CANADA - Don Newsham**. *Chief Executive Officer. COACH: Canada's Health Informatics Association and ISO/TC215 Co-Convenor Joint Working Group and Canadian Head of Delegation*



### IHIC 2010 Organizing Committee

Fernando Portilla (HL7 Colombia) - Selene Indarte (HL7 Uruguay) - Diego Kaminker (HL7 Argentina)  
 Marivan Santiago Abrahao (HL7 Brazil) - Sergio Koenig (HL7 Chile) - Nancy Gertrudiz (HL7 Mexico)  
 Julio Carrau (HL7 Uruguay) - Analia Baum (HL7 Argentina) - Diego Lopez (HL7 Colombia)

