Tutorial - Natural Language Processing Part I
11/09/2010 09:00-10:30
Session location (room): 2.4.1 & 2.4.2
Chairperson: n/a
860: A Hands-on Introduction to Natural Language Processing in Healthcare (Part 1) (S DuVall, B South, L D'Avolio, W Chapman, G Savova)

Tutorial - Evaluating Patient-Centred HI Part I
11/09/2010 09:00-10:30
Session location (room): 1.6.3 & 1.6.4
Chairperson: n/a
834: Evaluating and Designing Patient-Centered Health Information Technologies (Part 1) (D Kaufman, J Starren)

Tutorial - Change Management Part I
11/09/2010 09:00-10:30
Session location (room): 1.6.1 & 1.6.2
Chairperson: n/a
213: Working in Partnership to Reduce Conflicts in Health System Implementation (Part 1) (P Procter, R Hayward, J Foster, C Bond)

Tutorial - Open EHR Part I
11/09/2010 09:00-10:30
Session location (room): 1.4.3 & 1.4.4
Chairperson: n/a

Tutorial - EHR Implementation Tips Part I
11/09/2010 09:00-10:30
Session location (room): 1.4.1 & 1.4.2
Chairperson: n/a

Tutorial - Open EHR Part II
11/09/2010 11:00-12:30
Session location (room): 1.4.3 & 1.4.4
Chairperson: n/a
1012: Clinician-driven EHRs - the openEHR approach (Part 2) (H Leslie, K Atalag, R Chen, R Cruz-Correia, S Garde, S Heard, S Kobayashi, H Leslie, I McNicoll, T Shannon)

Tutorial - EHR Implementation Tips Part II
11/09/2010 11:00-12:30
Session location (room): 1.4.1 & 1.4.2
Chairperson: n/a
999: Tips and Ideas for Successful EMR Implementation (Part 2) (R Gopalan, R Berger, J Kichak)

Tutorial - Change Management Part II
11/09/2010 11:00-12:30
Session location (room): 1.6.1 & 1.6.2
Chairperson: n/a
1000: Working in Partnership to Reduce Conflicts in Health System Implementation (Part 2) (P Procter, R Hayward, J Foster, C Bond)
Tutorial - Evaluating Patient-Centred HI Part II
11/09/2010 11:00-12:30
Session location (room): 1.6.3 & 1.6.4
Chairperson: n/a
1001: Evaluating and Designing Patient-Centered Health Information Technologies (Part 2) (D Kaufman, J Starren)

Tutorial - Natural Language Processing Part II
11/09/2010 11:00-12:30
Session location (room): 2.4.1 & 2.4.2
Chairperson: n/a
1011: A Hands-on Introduction to Natural Language Processing in Healthcare (Part 2) (S DuVall, B South, L D'Avolio, W Chapman, G Savova)

Tutorial - Evaluation of HI: Overview Part I
11/09/2010 13:30-15:00
Session location (room): 1.4.1 & 1.4.2
Chairperson: n/a

Tutorial - Usability Evaluation Part I
11/09/2010 13:30-15:00
Session location (room): 1.6.3 & 1.6.4
Chairperson: n/a

Tutorial - Clinical Engagement Part I
11/09/2010 13:30-15:00
Session location (room): 2.4.1 & 2.4.2
Chairperson: n/a

Tutorial - Open EHR Part III
11/09/2010 13:30-15:00
Session location (room): 1.4.3 & 1.4.4
Chairperson: n/a
1013: Clinician-driven EHRs - the openEHR approach (Part 3) (Part 1) (H Leslie, K Atalag, R Chen, R Cruz-Correia, S Garde, S Heard, S Kobayashi, H Leslie, J McNicol, T Shannon)

Tutorial - Terminology Part I
11/09/2010 13:30-15:00
Session location (room): 1.6.1 & 1.6.2
Chairperson: n/a
960: Medical Concept Representation: From Classification to Understanding (Part 1) (C Chute)

Tutorial - Evaluation of HI: Overview Part II
11/09/2010 15:30-17:00
Session location (room): 1.4.1 & 1.4.2
Chairperson: n/a
1007: Evaluation of Health Informatics: Why, How, Challenges (Part 2) (C Cusack, E Poon, B Dixon)
1009: Tutorial: "Clinical Transformation: Towards a Successful Clinical Implementation Tool Kit" (Part 2) (M Ball, J Tresling, A Geissbuhler, YC Li, J Silva, Z Junping, M Costin)

1015: Clinician-driven EHRs - the openEHR approach (Part 4) (H Leslie, K Atalag, R Chen, R Cruz-Correia, S Garde, S Heard, S Kobayashi, H Leslie, I McNicoll, T Shannon)

1010: Usability Evaluation Methods for Interactive Healthcare Computer Applications (Part 2) (M Jaspers, L Peute)

1008: Medical Concept Representation: From Classification to Understanding (Part 2) (C Chute)

363: Evaluating the Costs and Benefits of ICT-based Applications in Healthcare Across Multiple Levels (V Vimalrund, E Eisenstein, A Kustniruk)

894: Evidence-Based Clinical and Decision-Support Content in Point of Care Systems: Context, Considerations and Options for Developing Countries (C Craven, C Hullin, E Caballero, W Hersh, J Blaya)

519: Integrating a Bottom-Up with Top-Down Health Information Systems to achieve the Millennium Development Goals in Africa (A Kanter, P Michael, M Berg, P Pronyk)

328: Infectious Disease Ontology Workshop (A Goldfain, B Smith, L Cowell, C Louis, R Scheuermann)
12/09/2010

Tutorial - HL7 CDA & CDS Part I
12/09/2010 09:00-10:30
Session location (room): 1.6.1 & 1.6.2
Chairperson: n/a


Tutorial - Clinical Decision Support Part I
12/09/2010 09:00-10:30
Session location (room): 1.6.3 & 1.6.4
Chairperson: n/a

415: Clinical Decision Support: A Practical Guide to Developing Your Program to Improve Outcomes (Part 1) (R Jenders, D Sittig, A Wright)

Tutorial - GRID Computing Part I
12/09/2010 09:00-10:30
Session location (room): 2.6.4 & 2.6.5
Chairperson: n/a

611: Grid Computing for Biomedicine (Part 1) (T Solomonides, H Mueller, M Mirza, M Kratz)

Tutorial - Writing for Publication Part I
12/09/2010 09:00-10:30
Session location (room): 1.4.1 & 1.4.2
Chairperson: n/a

234: Writing for Publication in Biomedical Informatics Journals (Part 1) (D Aronsky, J Talmon, R Haux, N de Keizer, TY Leong, C Safran, C Lehmann)

Tutorial - Data Mining Part I
12/09/2010 09:00-10:30
Session location (room): 1.4.3 & 1.4.4
Chairperson: n/a


Tutorial - Clinical Decision Support Part II
12/09/2010 11:00-12:30
Session location (room): 1.6.3 & 1.6.4
Chairperson: n/a

1005: Clinical Decision Support: A Practical Guide to Developing Your Program to Improve Outcomes (Part 2) (R Jenders, D Sittig, A Wright)

Tutorial - HL7 CDA & CDS Part II
12/09/2010 11:00-12:30
Session location (room): 1.6.1 & 1.6.2
Chairperson: n/a


Tutorial - GRID Computing Part II
12/09/2010 11:00-12:30
Session location (room): 2.6.4 & 2.6.5
Chairperson: n/a

1006: Grid Computing for Biomedicine (Part 2) (T Solomonides, H Mueller, M Mirza, M Kratz)
Tutorial - Writing for Publication Part II
12/09/2010 11:00-12:30
Session location (room): 1.4.1 & 1.4.2
Chairperson: n/a
1002: Writing for Publication in Biomedical Informatics Journals (Part 2) (D Aronsky, J Talmon, R Haux, N de Keizer, TY Leong, C Safran, C Lehmann)

Tutorial - Data Mining Part II
12/09/2010 11:00-12:30
Session location (room): 1.4.3 & 1.4.4
Chairperson: n/a

13/09/2010

Public Health Informatics I
13/09/2010 10:30-12:15
Session location (room): 1.4.1 & 1.4.2
Chairperson: Korpela Mikko
422: TRAFFIC ACCIDENT IN CUIJABÁ-MT: AN ANALYSIS THROUGH THE DATA MINING TECHNOLOGY (N Dreyer Galvão, HF Marin)
644: Obesity Atlas and Methodbox: Towards an Open Framework for Sharing Public Health Intelligence Workflows (S Thew, P Jarvis, J Ainsworth, I Buchan)
731: IMPACT: A generalisable system for simulating public health interventions (I Buchan, J Ainsworth, E Carruthers, P Couch, M O'Flaherty, D Smith, R Williams, S Capewell)
935: Combining Vital Events Registration, Verbal Autopsy and Electronic Medical Records in Rural Ghana for Improved Health Services Delivery (S Ohemeng-Dapaah, P Pronyk, E Akosa, B Nemser, A Kanter)

Translational Bioinformatics
13/09/2010 10:30-12:15
Session location (room): 1.4.3 & 1.4.4
Chairperson: Martin-Sanchez Fernando
395: The Clinical Research Data Repository of the US National Institutes of Health (J Cimino, E Ayres)
592: Scientific discovery workflows in bioinformatics: A scenario for the coupling of molecular regulatory pathways and gene-expression profiles (A Kanterakis, G Potamias, G Zacharioudakis, L Kourakis, S Sfakianakis, M Tsiknakis)
655: A Framework for Comparing Phenotype Annotations of Orthologous Genes (O Bodenreider, A Burgun)
463: Novelty Discovering from Sequential Patterns: application to micro-arrays data analysis for Alzheimer disease (S Bringay, M Roche, M Tesseire, P Poncelit, R Abdel Rassoul , JM Verdier, G Devau)
814: Designing a Concept for an IT-Infrastructure for an Integrated Research and Treatment Center (S Stäubert, A Winter, R Speer, M Löffler)

Interoperability
13/09/2010 10:30-12:15
Session location (room): 1.4.1 & 1.4.2
Chairperson: Espinosa Amado
259: Design and evaluation of a semantic approach for the homogeneous identification of events in eight patient databases: a contribution to the European EU-ADR project (P AVILLACH, M Joubert, J Hippsley-Cox), L Pedersen, M Sturkenboom, R Gini, F Thiessard, F Mougin, M Molichka, A Pariente, G Polimeno, R Herrings, G Mazzaglia, C Formari, M Fieschi)
393: The Health Service Bus: An Architecture and Case Study in Achieving Interoperability in Healthcare (A Ryan, P Eklund)
697: Usage of international standards for integrating extramural monitoring and personal health device data into medical information infrastructure (A Mense, S Sauermann, F Gerbovics, M Frohner, B Pohn, A Bruckner, P Urbauer, H Wahl, F Eckkrammer)
973: Implementation of a Secure and Interoperable Generic e-Health Infrastructure for Shared Electronic Health Records based on IHE Integration Profiles (T Schabetsberger, F Wozak, B Katt, R Mair, B Hirsch, A Hoerbst)
987: Integration of Healthcare Information: from Enterprise PACS to Patient Centered Multimedia Health Record (E Soriano, F Piazzotta, F Campos, D Kaminker, A Cancio, J Aguilera Diaz, D Luna, A Seehaus, R García Mínaco, F González Bernaldo de Quirós)
Specialised Registries -
13/09/2010 10:30-12:15
Session location (room): 1.6.3 & 1.6.4
Chairperson: Reti Shane

410: Toward an Interoperable System of Human-centered Voluntary Medical Incident Reporting (Y Gong)
449: Development and Testing of a Work Measurement Tool to Assess Caregivers' Activities In Residential Aged Care Facilities (E Munyisia, P Yu, D Hailey)
690: TEDIS : an Information System Dedicated to Patients with Pervasive Developmental Disorders (M BEN SAÏD, L Robel, E Vion, B Golse, JP Jais, P Landais)
907: Experience Implementing OpenMRS to Support Maternal and Reproductive Health in Northern Nigeria (A Thompson, E Castle, P Lubeck, S Makari)
912: Using Electronic Medical Records for HIV care in Rural Rwanda (C Amoroso, B Akimana, B Wise, H Fraser)

Adoption Determinants -
13/09/2010 10:30-12:15
Session location (room): 2.4.1 & 2.4.2
Chairperson: Shaw Nicola (Nikki)

207: A qualitative analysis of Emergency Department physicians’ practices and perceptions in realtion to test result follow-up (J Callen, A Georgiou, M Prgomet, R Paoloni, J Westbrook)
577: Determinants of Clinical Information System Post-Adoption Success (JM Palm, A Grant, JM Moutquin, P Degoulet)
118: EHR Adoption:Measurement of the Utilization of an Installed Electronic Health Record (P Dullabh, A Moiduddin, E Babalola)
195: Implementation, monitoring and utilization of an integrated Hospital Information System – lessons from a case study (RJ Cruz-Correia)
388: Key Common Determinants for Adoption of Wireless Technology in Healthcare for India and Pakistan: Development of a conceptual model (A Hafeez-Baig, R Gururajan)

Implementation -
13/09/2010 10:30-12:15
Session location (room): 2.4.4 & 2.4.5
Chairperson: Safran Charles

88: Why don’t innovation models help with informatics implementations? (R Ward)
268: Standardizing Implementation of a Surgical Information System in Danish Hospitals – a Comparative Study (K Lawton, M Holdt, P Kopke, H Sigurðardóttir)
282: eVisit: A Pilot Study of a New Kind of Healthcare Delivery (R Padman, G Shevchik, S Paone, C Dolezal, J Cervenak)
584: Informatics and Evidence-based Medicine: Prescription for Success (J Starmer, N Lorenzi, C Pinson)
457: How are clinicians involved in EHR planning? A process analysis case study of a region in Denmark (AM Hostgaard, P Bertelsen, C Nørh)

Surveillance -
13/09/2010 10:30-12:15
Session location (room): Audi 1
Chairperson: Peek Niels

583: Using Patients as the Primary Information Source for Real-time Surveillance (MA Johansen, JA Johnsen , N Shrestha, XG Bellika)
46: Attempting to predict the fate of an ongoing epidemic. Lessons from A(H1N1) influenza in USA. (JLH Caceres)
535: Exploring new directions in disease surveillance for people with diabetes: Lessons learned and future plans (T Botsis, G Hartvigsen)
550: Spatiotemporal Antibiotic Resistance Pattern Monitoring using GIS based Hierarchical Cluster Analysis (R Hewapathirana, G Wijayarathna)
665: Improving general practice based epidemiologic surveillance using desktop clients: the French Sentinel Network experience. (C TURBELIN, PY BOELLE)

Intelligent Analysis of Monitoring Data -
13/09/2010 10:30-12:15
Session location (room): 2.6.1 & 2.6.2
Chairperson: Abu-Hanna Ameen

260: Processing gradual information with Fuzzy Arden Syntax (T Vetterlein, H Mandl, KP Adlassnig)
914: Feature importance analysis for patient management decisions (M Valko, M Hauskrecht)
959: Temporal Clustering for Blood Glucose Analysis in the ICU: Identification of Groups of Patients with Different Risk Profile (L Sacchi, G D'Ancona, F Bertuzzi, R Bellazzi)


602: Data Mining to Assess Variations in Oral Anticoagulant Treatment (PB Nielsen, S Lundbye-Christensen, TB Larsen, LH Rasmussen, SR Kristensen, AM Münster, OK Heijlesen)

Emerging Technologies -
13/09/2010 10:30-12:15
Session location (room): 2.6.4 & 2.6.5
Chairperson: Magrabi Farah

866: Integration of Cognitive and Physical Training in a Smart Home Environment for the Elderly People (E Konstantinidis, A Bills, W Hauschek, P Panek, P Bamidis)

976: ebug – teaching children hygiene principles using educational games (P Kostkova, D Farell, E de Quincey, J Weinberg, D Lecky, C McNulty)

472: Daily activities and fall risk – a follow-up study to identify relevant activities for sensor-based fall risk assessment (M Marschollek, A Rehwald, M Gietzelt, B Song, KH Wolf, R Haus)

621: Can Brain Computer Interfaces Become Practical Assistive Devices in the Community? (P McCullagh, M Ware, M Mulvenna)

Mining Clinical Narratives -
13/09/2010 10:30-12:15
Session location (room): Roof Terrace
Chairperson: Leong Tze-Yun

362: Pediatric Pain Management Knowledge Linkages: Mapping Experiential Knowledge to Explicit Knowledge (S Stewart, SSR Abidi, A Finley)

287: The Internal Structure of a Disease Name and its Application for ICD Coding (E Yamada, E Aramaki, T Imai, K Ohe)

670: Performance Analysis of a POS Tagger applied to Discharge Summaries in Portuguese (M Oleynik, P Nohama, PS Cancian, S Schulz)

791: Extracting Medications from French Clinical Texts (L Deleger, C Grouin, P Zweigenbaum)

Poster - Session 1 - Consumer Health Informatics
13/09/2010 12:15-13:30
Session location (room):
Chairperson: Eysenbach Gunther

60: Mobile Social Networks: Students solving their own health problems (P Chhanabhai, A Holt, G Benwell)

63: Identifying with other people suffering from alcoholism in an e-mediated and cross-cultural venue (TN Bjerke, R Wynn)

269: Comparing Diabetes Search Engines: HON vs Google (S Redi, M Tierney, H Feldman, C Boyer, C Safran)

740: An ontology for automatic generation of computer-based cognitive exercises (S Quaglini, S Panzarasa, G Leonardi, M Stefanelli)

813: The impact of Information and Communication Technologies - ICT in health promotion: an experiment with diabetes type 2 patients (E Martinez, N Miranda, T Forster)

119: Types of the Healthcare Information Provision e-Business on the Internet (J Kim, S Lee, S Kim)

152: Developing a concept map for “increasing medication safety and patient compliance by developing patient-oriented mobile phone applications”: results of a conceptualization re-search (A Ahmadvand, F Foroughi)

318: A circular model for the e-Health at the household (S Marceglia, L Mazzola, S Bonacina, F Pincirolli)

336: A study on the Linguistic and Functional Health Literacy and Chronic Disease Information (E Lee, M Park)

337: Health and wellbeing related information management and information management needs in families with small children (M Palmen, M Korpela, K Saranto)

569: Activity-driven Information Analysis for the Design of Personal Health and Wellbeing Systems (M Toivanen, J Mykkänen, M Korpela)

606: Design preferences and characteristics of a website for monitoring HIV medication adherence in Peru (W Curioso, K Heitzinger, DA Quistberg, R Cabello, E Gozzer, P Garcia, A Kurth, W Pratt)

645: Classification of Application Services for Personal Wellbeing Information Management (J Mykkänen, M Tuomainen, P Muukkonen, T Itälä)

884: A Content Analysis of Information Exchange in an Atrial Fibrillation Online Support Group (N Lapshina, P Stozhkov, J Finkelstein)

69: “Safer at Home” - Technology supported coordination & cooperation (A Hestetreet, T Pape)
Patient involvement in a Software Development Project - Developing an Electronic Diary for Patients Suffering Extreme Obesity (S Rising)

Web-based Individual Plan in Norway: An opportunity for improved cooperation? (J Bjørken, R Hellesø)

Participatory Design of a Physical Activity Intervention for Latino Adolescents Using Facebook (S Bakken, S Yoon, O Velez, PY Yen, D Stein)

Poster - Session 2 - Consumer Health Informatics for changing health care delivery
13/09/2010 12:15-13:30
Session location (room):
Chairperson: Park Hyeoun-Ae

1: Implementing a Census Tracking System to Improve the Real Time Reporting Capability in the Cleveland Clinic Informatics System (J Lou, R Gomez)

100: Utilizing Technology and Collaboration to Improve Patient Throughput and Manage 100+% Capacity (J Moorad, G Colman, F Tortorella)

169: Development and evaluation of the critical pathway for endoscopic submucosal dis-section (E Kim, M Kim, K Park, S Kim, K Kim)


586: Information Needs of Care Nurses and Intensivists in Intensive Care (H Lundgren-Laine, H Suominen, E Kontio, R Danielsson-Ojala, S Salanterä)

704: Situated Coordination Through Communication: A Field Study of Operating Room Personnel. (B Lillebo, A Seim, A Faxvaag)

833: The use and management of information and technology in maternal healthcare: A case study in the Western Cape, South Africa (V Banze, B Moeng, C Stolberg, R de la Harpe, M Korpela)

964: Applying process mining techniques to analyze clinical processes (G Leonardi, S Quaglini, A Cavallini, G Miceli)

153: eHealth Readiness and Needs Assessment Framework for Low Resource Communities in Developing Nations (K Araujo, K Ho)

185: Can It-governance make a difference in HealthCare implementation? (S Bech, P Kopke, J Kold)

202: Hospital Information Systems: are they sufficiently helpful for the management of patient safety? Valuable lessons from the Japanese experience (M Ikeuchi, H Kusuoka, K Ishikawa, T Tanaka, H Tsukuma, y Umesato)

314: Management of Electronic Medical Records and Images (SY Shin, YA Kim, MA Hwang, WS Kim, JH Kim, KH Kim, CK Chung)

375: Lessons from Jazz-An Improvisation Model for Change Management Strategy for Computerized Physician Order Entry (CPOE) (T Ghosh)

462: Innovative collaborations to improve data flow in Community Nursing (J Lee, J Barr, F Hearn)

446: Qualitative Issues Influencing the Electronic Integration of Medical and Dental Data (M Torres-Urquidy, F Din, V Powell)

507: Upgrading Regional ICT Technologies for Integrated Care Management (K Harno, P Nykänen, P Ruotsalainen, S Ranta, EM Tolppanen, K Kopra, J Ohtonen)

Poster - Session 3 - Advanced applications of decision support technologies
13/09/2010 12:15-13:30
Session location (room):
Chairperson: Hasman Arie

380: The Role of the Electronic Health Record in Support of Genomic Research (V Normandeau-Babin, N Hanad, AE Sherif, G Andrew)

429: Quality of Electronic Nursing Documentation in Australia Aged Care: Approaches to Evaluation (N Wang, P Yu, D Hailey)

487: Predicting Outcome Measures in Active Learning (S Kandula, R Figueroa, Q Zeng-Treitler

600: DISCOCLINI: a system for Biomarkers Discovery in Medical Functional Genomics data (A Benis, M Courtine, A Venot)

597: Stakeholder Analysis for Digital Preservation in Biomedical Research (F Dickmann, S Roy)

400: Towards a web-based environment which assists physicians in guiding ARV resistance treatment (y singh)

147: Enterprise Data Translational Architecture (EDTA) (P Elkin, B Trusko, W Zhang, S Ellis, K Patel, H Sampson)

292: An Integrated Information Plattform for a Biomedical Research Network: Concept and First Experiences (P Knap, CD Kohl, J Lorenzo Bermejo, H Dickhaus, M Kieser)

445: Effect of mutation on Protein Structure Production (T Higgs, B Stantic, T Hoque, A Sattar)

625: Application of Biomedical Informatics to facilitate clinical use of gene expression microarrays in colon cancer (G Lopez-Campos, B Perez-Villamil, A Romero Lopez, E Diaz Rubio, F Martin-Sanchez)
842: Sharing paths of exploration to support collaborative reasoning in genomic data analysis (D Hoyle, P Crowther, M Delderfield, L Kitching, G Smith, I Buchan)

594: Approaching the Nanomedicine field from Biomedical Informatics (S Barriuso, V Lopez-Alonso, J Barrera, V Maojo, F Martin-Sanchez)

601: Pioneering Territory-Wide Sharing of Radiological Examination Results in Hong Kong (MC Wong, J Tan, WN Wong, ACH Sek, JKY Chan, NT Cheung, AW Cheung, AKW Lam, WW Chan)

927: An automated System for Brain Tumor Detection from MR Images (Qu Ain, S Batool, A Jaffar)

610: Automatic Threshold Measuring in Mammographic Density Screening (T Han, E Lee, R Park)


730: Breach Notification Laws and the American Patient (T Grandison)

949: Plagiarism Protection by Software Comparison of Biomedical Scientific Papers; Croatian Medical Journal Pilot Study (M Petrovecki, K Bazdine, L Bilic-Zulle)

Poster - Session 4 - Emerging technologies and Internet applications
13/09/2010 12:15-13:30
Session location (room): Chairperson: Larizza Cristiana

307: A Sensor Enabled Smart Space for Health Research (A Maeder, S Simoff)

480: Post implementation views of end users of Picture Archiving and Communication System (PACS) in Nelson Mandela Academic Hospital (NMAH), Mthatha, South Africa. (S Pradhan, G Wright)

293: Enabling the Health Internet - Market-Friendly Information Extraction of Online Healthcare Sources (C Grant, T Grandison, A Alba)

423: WISE Healthcare: Enabling Medical Collaboration in a Web 2.0 World (E Kandogan, V Bhagwan, T Grandison)

471: Adaptation of a Computerized Patient Simulator for Continuous Medical Education of Isolated Care Professionals in Sub-Saharan Africa (G Bediang, CO Bagayoko, MA Raetzo, A Geissbuhler)

679: Collaborative international research on biomaterial in the age of Web 2.0 (M Lablans, F Úckert)

729: Privacy for Healthcare Social Networks (EM Maximilien, T Grandison)

980: The Potential of Twitter for Early Warning and Outbreak Detection (E de Quincey, P Kostkova, G Jawaheer)

97: Mobile Clinical Assistant in Hospital Information System (HIS) Environment: Are We Ready? (N HAMID)

830: Blackberry eLearning Platform for Interactive Patient Education (J Wood, E Cha, J Finkelstein)

979: The HONcode certification: 13 years of services for improving the quality of the health online information (C Safran, C Boyer, A Geissbuhler, M Ball)

Panel - 13/09/2010 13:30-15:00
Session location (room): 
Chairperson: n/a

963: Accelerating the Translation of Knowledge into Clinical Decision Support: Four National Demonstration Projects (B Middleton, R Greenes, E Fry, KP Adlassnig, I Cho)

Panel - 13/09/2010 13:30-15:00
Session location (room): 
Chairperson: n/a

733: Documentation of care: transition from paper to digital communication in clinical workflow (J Aarts, J Brixey, R Koppel, A Moen)

Panel - 13/09/2010 13:30-15:00
Session location (room): 
Chairperson: n/a

757: Automatic Data Analysis in Biomedicine: Applications and Challenges (N Peek, J Holmes, TY Leong, A Abu-Hanna)

Panel - 13/09/2010 13:30-15:00
Session location (room): 
Chairperson: n/a

875: Information Models for Supporting Semantic Interoperability and System Development: Collaborative Efforts from the Domain of Nursing (S Bakken, W Goossen, E Hovenga, D Hoy, HA Park)

Panel - 13/09/2010 13:30-15:00
Session location (room): 
Chairperson: n/a

441: Survey for Asia-Pacific Countries/Regions; *What are the Medical Records for?* (M Kimura, YC Li, YS Kwak)

System Usability - 13/09/2010 13:30-15:00
Session location (room): 1.4.1 & 1.4.2
Chairperson: Patel Vimla

154: Measuring Use of Electronic Health Record Functionality Using System Audit Information (W Bowes)
464: Usability of Clinician Order Entry Systems in Singapore: An Assessment of End-User Satisfaction (YM Tan, J Flores, ML Tay)
753: Why GPs do not follow computerized guidelines: an attempt at an explanation involving usability with ASTI guiding mode (B SEROUSSI, J Bouaud, D Sauquet, P Giral, P Cornet, H Falcoff, J Julien)
958: Touchscreen Task Efficiency and Learnability in an Electronic Medical Record at the Point-of-Care (Z Landis Lewis, G Douglas, V Monaco, R Crowley)

Coding and Terminologies - 13/09/2010 13:30-15:00
Session location (room): 1.4.3 & 1.4.4
Chairperson: Chute Christopher

420: Development and Validation of Data Specifications for Nursing Problems in Maternal Nursing Care (Y Kim, HA Park, YH Min, MK Lee)
823: Addressing SNOMED CT Implementation Challenges Through Multi-disciplinary Collaboration (J Liu, K Lane, E Lo, M Lam, T Truong, C Veillette)
942: Information-Content-based Measures for the Structure of Terminological Systems and for Data recorded using these Systems (R Cornet)

947: Development of Structured ICD-10 and its Application to Computer-Assisted ICD Coding (T IMAI, M KAJINO, M SATO, K OHE)

Citizen Centric e-Health
13/09/2010 13:30-15:00
Session location (room): 1.6.1 & 1.6.2
Chairperson: Strachan Heather C

384: Citizen Centric Architecture Approach - Taking e-health forward by integrating citizens and service providers (Y Han, T Itälä, H Matti)

541: Patient web empowerment index (PWEI): an index for assessment of healthcare providers’ web strategies. Case study: PWEI application in Italy. (L Buccoliero, E Bellio, A Prenestini)

528: Barriers and facilitators that affect public engagement with eHealth services (N Hardiker, M Grant)

574: Investigating health information needs of community radio stations and applying the World Wide Web to disseminate audio products (J Snyders, E van Wyk, H van Zyl)

Biomedical Data Mining
13/09/2010 15:30-17:15
Session location (room): 1.6.3 & 1.6.4
Chairperson: Hauskrecht Milos


408: Using Local Context Information to Improve Automatic Mammographic Mass Detection (M Veikova, P Lucas, N Karssemeijer)

130: A self-organizing map based morphological analysis of oral glucose tolerance test curves in women with gestational diabetes mellitus (L Gaetano, G Di Benedetto, A Tura, G Ballestra, FM Monti, A Kautzky-Willer, G Pacini, U Morbiducci)

553: A Model Driven Approach to Imbalanced Data Sampling in Medical Decision Making (HL Yin, TY Leong)

Decision Support in Clinical Practice I
13/09/2010 15:30-17:15
Session location (room): 2.4.1 & 2.4.2
Chairperson: Lehmann Christoph

226: Identifying best practices for clinical decision support and knowledge management in the field (J Ash, D Sittig, R Dykstra, A Wright, C McMullen, J Richardson, B Middleton)

782: Enhanced Notification of Infusion Pump Programming Errors (RS Evans, R Carlson, K Johnson, B Palmer, J Lloyd)

208: Verification & Validation of knowledge base for the hypertension management CDSS (HY Kim, JH Kim, I Cho, JH Lee, Y Kim)

883: Understanding Effective Clinical Communication in Medical Errors (S Khairat, Y Gong)

401: TADAA: Towards Automated Detection of Anaesthetic Activity (B Houliston, D Parry, A Merry)

Monitoring and Surveillance
13/09/2010 15:30-17:15
Session location (room): 2.4.4 & 2.4.5
Chairperson: Espinosa Amado

359: Is population-oriented IT supported preventive care in general practice feasible? A database study (J van Wyk, M Mosseveld, J van der Lei)


708: Towards A Multi-Level Game Model for Influenza Epidemics (Q Chen, TY Leong)

576: Measuring the effectiveness of hospital-acquired infection prevention (J IAVINDRASANA, G COHEN, A DEPEURSINGE, H MÜLLER, R MEYER, H SAX, A GEISSBUHLER)

804: Using ProMED Mail and MedWorm Blogs for Cross-Domain Pattern Analysis in Epidemic Intelligence (A Stewart, K Denecke)
Nursing Informatics -
13/09/2010 15:30-17:15
Session location (room): Audi 1
Chairperson: Marin Heimar

120: Clinical users’ prospective on telemonitoring of patients with long term conditions: understood through concepts of Giddens’s structuration theory & consequence of Modernity (U Sharma, M Clarke)

176: Analysis on data captured by barcode medication administration system with PDA for reducing medical error at point of care in Japanese Red Cross Kochi Hospital. (M Akiyama, A Koshio, N Kihotsu)

993: Foundations for a Nursing Services Reference Model (L Heslop, K Toh, E Hovenga)

653: Ambulatory orthopaedic surgery patients knowledge with Internet-based education (K Heikkinen, S Salanterä, H Leino-Kilpi)

Patient Education -
13/09/2010 15:30-17:15
Session location (room): 2.6.1 & 2.6.2
Chairperson: Nøhr Christian

275: A Compositional Personalization Approach for Designing Personalized Patient Educational Interventions for Cardiovascular Risk Management (S Davis, SSR Abidi, S Stewart)


193: Usage and Effect of a Web-based Intervention for the Prevention of Overweight; a RCT (S Kelders, L van Gemert-Pijnen, A Werkman, E Seydel)

513: Learning of each other – online: on the division of labour between technology and supervisors (R Roar Stokken)

565: A 3-step eHealth approach to transfer knowledge on HIV and sexual violence in developing countries (H van Zyl, L Dartnall)

Telemedicine -
13/09/2010 15:30-17:15
Session location (room): 1.4.1 & 1.4.2
Chairperson: Mars Maurice

859: Leapfrogging Paper-Based Records Using Handheld Technology: Experience from Western Kenya (M Were, J Kariuki, V Chepng’eno, M Wandawwa, S Ndege, P Braithstein, J Wachira, S Kimayo, B Mamlion)

59: Cell phone Short Messaging Services (SMS) in Health care pertaining to HIV/AIDS in South Africa. (KC Mukund Bahadur, P J. Murray)


774: Exploring Feasibility of Home Telemanagement in African Americans with Congestive Heart Failure (J Finkelstein, E Cha, C Dennison)

224: A Configurable Home Care Platform for Monitoring Patients with Reminder Messaging and Compliancy Tracking Services (D Capozzi, G Lanzola)

Communication and Workflow Issues -
13/09/2010 15:30-17:15
Session location (room): 1.4.3 & 1.4.4
Chairperson: Shaw Nicola (Nikki)

212: Why is it so difficult to measure the effects of interruptions in healthcare? (F Magrabi, SYW Li, AG Dunn, E Coiera)

397: Impact of a Critical Care Clinical Information System on Interruption Rates During Intensive Care Nurse and Physician Documentation Tasks (M Baillemann, N Shaw, K Arbeau, D Mayes, N Gincey)

749: Peri-operative Communication Patterns and Media Usage — Implications for Systems Design (ES Karlsen, P Toussaint)

806: Do CPOE Actually Disrupt Physicians-Nurses Communications? (S PELAYO, F ANCEAUX, J ROGALSKI, MC BEUSCART-ZEPHIR)

839: The Avoidable Misfortune of a Computerized Patient Chart (I Sarby, G Seland, Ø Nytte)

83: The Avoidable Misfortune of a Computerized Patient Chart (I Sarby, G Seland, Ø Nytte)
System Design
13/09/2010 15:30-17:15
Session location (room): 1.6.1 & 1.6.2
Chairperson: Takeda Hiroshi

517: How User Centered Design Can Be Applied in a Clinical Context (H Kashfi)
746: Participatory interaction design in healthcare information system requirements specification (S Martikainen, P Ikävalko, M Korpela)
805: Model-Driven Traceability in Healthcare Information Systems Development (S Walderhaug, G Hartvigsen, E Stav)
820: Developing a User-centered Voluntary Medical Incident Reporting System (L Hua, Y Gong)
990: Ghost Charts and Shadow Records: Implication for System Design (E Balka)

Ontology Management
13/09/2010 15:30-17:15
Session location (room): 2.6.4 & 2.6.5
Chairperson: Terenziani Paolo

373: Ensuring HL7-based information model requirements within an ontology framework (D Ouagne, N Nadah, D Schober, R Choquet, D Teodoro, D Caret, S Schulz, MC Jaulet, C Daniel)
391: The ObTiMA System - Ontology-based Managing of Clinical Trials (H Stenzhorn, G Weiler, M Brochhausen, F Schera, V Kritsotakis, M Tskinakis, S Kiefer, N Graf)
404: A Unified Framework for Biomedical Terminologies and Ontologies (W Ceusters, B Smith)
765: The DebugIT Core Ontology: semantic integration of antibiotics resistance patterns (D Schober, M Boeker, J Bullenkamp)
838: mapping BFO and DOLCE (L Temal, A Rosier, O Dameron, A Burgun)

Quality
13/09/2010 15:30-17:15
Session location (room): Roof Terrace
Chairperson: Quaglini Silvana

865: A system for solution-orientated reporting of errors associated with the extraction of routinely collected clinical data for research and quality improvement (G Michalakidis, P Kunarapelli, A Ring, J van Vlymen, P Krause, S de Lusignan)
240: The nature of unintended effects of information technology concerning patient safety: a systematic review with thematic synthesis (H Pirnejad, R Bai, N Shahravari)
267: Evaluating the relevance of disability weights for adjusting disease-cost and comorbidity calculations at the Kigali University Teaching Hospital (F Verbeke, F De Pauw, C Tran Ngoc, G Karara, E Gasakure, M Nyssen)
738: SeReM2 - A Meta Model for the structured Definition of Quality Requirements for Electronic Health Record Services (A Hoerbst, W Hackl, E Ammenwerth)

Poster - Session 5 - Building capacity in health informatics
13/09/2010 17:15-18:45
Session location (room):
Chairperson: Magaqa Vuma

194: Development of a Teleradiology web portal for the exchange of medical data using DICOM e-mail (B Schneider, O Heinze, K Lederle, G Weiser, B Bergh)
58: Registers for networked medical research in Germany: Situation and prospects (J Stauben, U Allmann, G Antony, J Drepper, U Sax)
930: Using ICT & Electronics Technologies for an Effective Chronic Disease Management Model in Latin America (A Espinosa)
332: Improvement of Patients’ Privacy and Security in Seoul National University Hospital EMR system (KH Kim, YA Kim, EM Jo, CH Park, MA Hwang, SY Shin, CK Chung)
495: Study on a Safety Management Method and Location Detection using Centralized Controlled Wireless LAN System (K Tanaka, H Atarashi, I Yamaguchi, H Watanabe, R Yamamoto, K Ohe)
824: Acute ear, nose, and throat (ENT) diseases in children during winter: a public health concern. (I Toubiana, P Landais)
166: Development and implementation of the Cyber Education Program for Quality management and patient safety (H Song, S Park, M Kim, K Park, JR Lee)
312: Medical education in the third millennium : interactive 2D and 3D computer simulations (Y LESSARD, P SIREGAR, N JULEN, JP SINTEFF, P LE BEUX)
895: Impact of Computer-Assisted Education about Psychiatric Stigma on Medical Students (O Lapshin, E Wasserman, J Finkelstein)
217: Factors Related to Learning Outcome in New Healthcare Staff with the e-learning Orientation Program (YS SHIH, T Lee)

262: Web 2.0 based Educational Intervention for Adolescents with Type 1 Diabetes: Design of a randomized controlled Trial. (F Santos, V Bernardo, S Dib, D Sigulem)

440: Establishment of an Education System for Working Graduate School Students Using a Distance Education System (N Shinohara, C Sakamoto, H Toyama, K Toba, S Kaihara)

669: Drop-out Causes in an E-Learning CME Course with High Retention Rate (MC Mazzoleni, C Rognoni, E Finozzi, M Franchi, B Presciutti, I Giorgi)

924: Health Informatics Building Blocks (HIBBs) For Distance Learning in Low Resource Settings (M Bloomrosen, E Shortliffe, K Brown)

55: Inter-university clinical informatics education program for co-medical students (H Toyama)

70: Establishing a Core Medical Informatics PhD Program Curriculum in China (J Liu, Y Shi, R Zhang, J Peng, D Liu)

230: Health Informatics Education: Are We Building Workforce Capacity? (A Breton)

250: Biomedical Informatics Doctoral Programme and Lifelong Education (J Zvarova, T Dostalova, K Zvara, H Heroutova)

342: The questionnaire analysis about the urgency and necessity of biomedical informatics education in medical school (DY Yoon, RW Park)

61: Using Social Networking Sites When Hiring Informatics Job Candidates: A Preliminary Study (B Dixon)

232: Ancestry Estimation in a Web-based, Searchable Database of Orthodontic Case Files for Patient Care, Education, and Research (P Kroth, H Edgar, E Harris, S Kalishman, S Daneshvandran)


447: User Training of Patient Information System - Longitudinal Study in Central Finland (K Lemmetty, T Kuusela, E Hayrinen)

554: Usability of PDAs to Deliver Multi-Language Health Worker Training and Patient Behavioral Assessment in Kenya (A Kurth, L McClelland, V Kamau, W Curioso)

667: Public Health Informatics Capacity Gaps in Low Resource Countries (J Legros, A Grigoryan, T Wuhib, N Orobaton)

758: Lifelong Learning – A Challenge for Education in Health Informatics (R Karjalainen-Jurvelin, K Saranto)

919: Data Capturer Internship Program at Health Facility Level, South Africa (H Ngcobo)

Poster · Session 6 · Knowledge management, guidelines and health data warehousing
13/09/2010 17:15-18:45
Session location (room):
Chairperson: Wetter Thomas

52: Application Service Provider System for Healthcare with Data Mining Function (H Takeuchi, Y Mayuzumi, N Kodama, K Satoh)

148: From Biomedical Data Warehouse to Marts: Capturing Disparities while Preserving Similarities (C Kent, Y Maman, A Shabo, R Adadi, A Farkash, A Burla)

567: The Development of Telemedicine in China and Our Recent Achievement (J Zhao, Z Zhang, L Ren, H Guo, X Zhang)

861: Feasibility of Integrating Dental School Electronic Health Record Data to Facilitate Oral Health Research (M Waiji, P Stark, E Kalenderian, J White)

179: Standardizing Inter-Institution Care via Ontologically-Modelled Clinical Pathways (S Abidi, S Abidi, A Daniyal)

191: A Regional Guideline System for 40,000 Users – The Importance of User Participation and Management Commitment. (K Bernstein)

250: Ontology Modeling for Handling Co-Morbidities in Decision Support Systems (S Abidi, J Cox, SR Abidi)

300: Development of a Guideline-Based Decision Support System Prototype for Collaborative Primary Healthcare (H Liu, J Mei, GT Xie, Y Pan, JJ Wen, ZG Gao, XR Sun, XR Chen)

628: Clinical workflow and practice-based evidence (M Olive, T Solomonides)

760: Web Catalogue of Electronically Published Clinical Practice Guidelines in the Czech Republic (M Zvolsky)


811: Correspondence between Guidelines for Antibiotic Treatment and Microbiological Out-come – Analysis of 448 Cases of Pneumonia in the Swedish Intensive Care Registry (G Fransson, H Ahlfield, H Gill, S Walther, H Hanberger)

857: Unanticipated consequences of hospital-based insulin management improvement program (J Finkelstein, S Golden, J Dintzis, M Munoz)

181: A Preliminary Assessment of the Clinical Knowledge Management Capabilities of Commercially-available Electronic Health Records (D Sittig, A Wright, S Meltzer, B Middleton)

247: Towards an integration of workflows and clinical guidelines: a case study (P Terenziani, M Torchio, S Femiano, A Bottrighi, G Molino, S Montani)

291: Unlocking Medical Archives with Multi-Modal Content to Deliver Enhanced Analytics (K Brannon, S Doraiswamy, T Grandison)

425: Collaborative and Distributed Guideline Modeling in the Dementia Domain – An Evaluation Study of ACKTUS (H Lindgren, P Winnberg)

481: From Knowledge Management to Translational Research by Combining Clinical and Experimental Data with Public Available Knowledge for Breast Cancer Research (A Dander, R Gallisch, W Hackl, H Flegl, A Graber)
Poster - Session 7 - Decision support systems and disease management
13/09/2010 17:15-18:45
Session location (room):
Chairperson: Aronsky Dominik

111: Prototype of a High-Alert Medications Decision Support System (JH Lee, HJ Park, HW Han, YH Park, MO Kim, HJ Kim, JS Hwang)

216: Development Journey of Informational Systems in Hospital Authority of Hong Kong (CM Cheng, Y Tong, TM Fung)

317: Arden-Syntax-Based Clinical Decision Support Software (K Fehre, H Mandi, KP Adlassnig)

487: A Decision Support System based on Meta-heuristics and MCDA for Healthcare Service and Technology Optimal Location (G Balestra, C Foglietta, L Gaetano)

496: Modelling a tool for innovative therapies (A Shtiliyanova, F Feschet, JY Boire, P Pommier)

499: Allergy and cross-allergy medication decision support (K Greibe)

573: Perioperative Diabetic Care Monitoring and Support System (G Lee, JH Lee, JS Hwang, JY Park, SY Park, WJ Lee)

686: Decision Support System in diagnoses and prescription of physical activity (E Gomes, C Barsottini, J Wainer, R Abramovicz-Finkelsztain)

692: Development of a clinical decision support system for facial growing analysis by the cervical vertebral maturation method (R BAPTISTA, J TENÓRIO, A HUMMEL, R COELHO, CA CAETANO, CL ORTOLANI, I PISA)

763: Clinical Decision Support System in Celiac Disease Diagnose (JM Tenório, RS Baptista, VL Sdepanian, IT Pisa, HF Marin)

794: Towards an incremental process for evaluating Augmented Medical Intervention (A Moreau-Gaudry, AS Silvent, S Plaweski)
Poster - Session 8 - Data and text mining and information retrieval
13/09/2010 17:15-18:45
Session location (room): 
Chairperson: Abu-Hanna Ameen


74: RIS-driven mining and visualisation of second-opinion candidates for telemetric-driven diagnostics (T Schaff, J Hohmann, A Oldenburg, H Tepe, R Poschmann, KJ Wolf, T Toikdorff)

279: Semantic Search for Clinical Evidence Using PICO Framework (y ni, x guotong, z lei, m jing, l hanyu, l shengping, l haifeng, p Yue)

437: Automatic Clinical Alert And Decision Support Through Real Time Event Monitoring And Active Data Feeding (WN WONG, KY CHAN, WL Li, KW CHANG, KP LAU, KH CHEUNG, TS FUNG, WM CHEUNG, NT CHEUNG)

608: Generating RELAX-NG Schemas for Radiology Reporting Templates (S Bozkurt, Y Hong, C Kahn)

748: Shared Drive: Information sharing in a dietetic service (N Nelson, L Cooke, T Solomonides)

9: Automatic speech recognition for the generation of medical reports studies. (H Mandirola, S Guillen, P Laguzzi, G Rodriguez)

575: Web-based Case Reports Retrieval System by TF*IDF Method (S Doi, T Tanaka, T Suzuki, K Takabayashi)

578: An approach for a medical ontology based on UMLS to improve information retrieval in German language clinical text documents (G Petritsch, S Spat, C Gu, P Beck)

821: Using Semantic Relations Extracted from Medline for Biomedical Question Answering (D Hristovski, T Rindflesch)

654: What about trust in a question answering system? (S Cruchet, A Gaudinat, C Boyer, T Rindflesch)

954: Extracting Diagnoses and Drug-Abuse Patterns from Italian Clinical Reports of Patients with Headache Disorders (M Gabetta, C Larizza, L Rojas Barahona, E Guaschino, G Sances, C Cereda, R Bellazzi)

957: Data Mining validation model to predict future health care cost (M Schpilberg, V Taliercio, D Vazquez Vargas, S Figar, H Michelangelo, D Luna, F Gonzalez Bernaldo de Quiros)

340: Extracting Remarkable Temporal Patterns of Technical Terms in Medical Research Documents (H Abe, S Tsumoto)

478: Extraction of Drug Combination related to Liver Dysfunction (A Totoki, T Suzuki, T Tamura, K Takabayashi)


95: Prediction of Early-Stage Chronic Kidney Disease in an HIV-Positive Population (O Ogunyemi, C Ani, F Yemofio, W Jordan, K Norris)

761: Multi theme automatic quality detector for health web pages (H LAGHZALI, A GAUDINAT, C BOYER)

511: Adverse Drug Events Detection by Data Mining of Electronic Health Records (E Chazard, G Ficheur, S Jensen, P Mc Nair, R Beuscart)

717: A Data Mining Based Approach to the Analysis of the Long-term Glucose Counter-Regulation to Hypoglycaemia in Continuous Glucose Data (MD Johansen, JS Christiansen, OK Hejlesen)

768: Improving Access to Medical Literature Using Multilingual Search Interfaces (S Bedrick)

Workshop - Patient Safety Classification
13/09/2010 17:15-18:45
Session location (room): Audi 1
Chairperson: n/a

451: International Classification of Patient Safety (ICPS) (Jm Rodrigues, R Jakob, O Corcho, P Lewalle, S Schultz)

Workshop - Value of eHealth
13/09/2010 17:15-18:45
Session location (room): 2.6.1 & 2.6.2
Chairperson: n/a

149: International Perspectives on Measuring the Value of eHealth Investments (K Mason, S Mutttal, T Garrido, S Meakin)
Workshop - FLOSS Open Source
13/09/2010 17:15-18:45
Session location (room): 1.6.1 & 1.6.2
Chairperson: n/a

752: Free/Libre Open Source Software – Prospects, Challenges and Barriers in Healthcare IT (T Karopka, G Wright, C Seebregts, H Betts)

Workshop - Open EHR Developers
13/09/2010 17:15-18:45
Session location (room): 1.4.3 & 1.4.4
Chairperson: n/a

418: The openEHR developers' workshop (S KOBAYASHI, T Shannon, T Cook, R Chen, R CRUZ-CORREIA, S Heard)

Workshop - Guidelines Evaluation of HI
13/09/2010 17:15-18:45
Session location (room): Roof Terrace
Chairperson: n/a

473: Good Evaluation Practice guidelines for planning and executing an evaluation study in Health Informatics (GEP-HI) (P Nykänen, J Breder, E Ammenwerth, M Rigby, L Hamner)

Workshop - Social Media
13/09/2010 17:15-18:45
Session location (room): 1.4.1 & 1.4.2
Chairperson: n/a

904: Using Social Media to Build an Online Community: Learning By Doing (R Hsiung, T Wetter, S Adams, T Grandison, D Nagel, K Anthony, R Nelson, B Anton, S Daviss, J Roth, V Sinisi)

Workshop - HI4Dev Network of Networks
13/09/2010 17:15-18:45
Session location (room): 2.4.4 & 2.4.5
Chairperson: n/a

367: Health Informatics for Development (HI4Dev): Establishing a Network of Networks through Collaborative Development (A Marcelo, D Luna, H Durrani, C Fourie)

Workshop - Tiger Initiative - Building Capabilities for EHR
13/09/2010 17:15-18:45
Session location (room): 2.6.4 & 2.6.5
Chairperson: n/a

48: Workshop: "The TIGER Initiative: Towards Integrating Evidence and Informatics into Clinical Practice and Education" (M Ball, C Weaver, P Chang, U Huebner, M Troseth, D Alexander, J Martin)

Workshop - Computerised Detection of Adverse Drug Events
13/09/2010 17:15-18:45
Session location (room): 1.6.3 & 1.6.4
Chairperson: n/a

720: Design, development and validation of a computerised system that exploits data from electronic health records and biomedical information for the early detection of adverse drug reactions. The EU-ADR project: Preliminary Results (P Avillach, PM Coloma, A Bauer-Mehren, R Gini, F Thiessard, G Trifirò, M Schuermie, MC Sturkenboom, JL Oliveira, F Sanz, E Molero, C Díaz, J Van Der Lei)
**Workshop - SNOMED CT Translation**
13/09/2010 17:15-18:45
Session location (room): Audi 2
Chairperson: n/a

694: Using an International Terminology in a Non-English Speaking Country - Learning from Swedish and Danish Translation Projects (L Asholm, U Gerdin, CW Danielsen, PG Petersen)

**14/09/2010**

**Data Integration and Standards**
14/09/2010 10:30-12:15
Session location (room): 1.4.1 & 1.4.2
Chairperson: Bodenreider Olivier

197: Building a Logical EHR architecture based on ISO 13606 standard and Semantic Web Technologies (MR Santos, MR Bax, D Kaira)

242: HL7 CDA Implementation Guide for Structured Anatomic Pathology Reports Methodology and Tools (H KUSSAIBI, F MACARY, M KENNEDY, D BOOKER, V BRODSKY, T SCHRADER, M GARCIA-ROJO, C DANIEL)

334: A Model-Driven Approach for Biomedical Data Integration (A Farkash, T John, C David)

346: Bridging the Template – Archetype gap with Detailed Clinical Models (W Goossen, A Goossen-Baremans)

646: Reaching for the Cloud: On the Lessons Learned from Grid Computing Technology Transfer Process to the Biomedical Community (Y Mohammed, F Dickmann, U Sax, M Smith, G von Voigt, O Rienhoff)

**Data Repositories and Research Infrastructure**
14/09/2010 10:30-12:15
Session location (room): 1.4.3 & 1.4.4
Chairperson: Talmon Jan

700: The IT-Infrastructure of a Biobank for an Academic Medical Center (A Dangl, F Rakebrandt, S Demiroglu, K Helbing, U Sax, O Rienhoff)

187: Record Linkage System in a Complex Relational Database - MINPHIS Example (P Achimugu, A Soriyan, O Oluwagbemi, A Anu)

434: Achieving interoperability for metadata registries using comparative object modeling (JH Kim, YR Park)

874: The Impact of a Growing Minority Population on Identification of Duplicate Records in an Enterprise Data Warehouse (S DuVall, A Fraser, R Kerber, G Mineau, A Thomas)

600: Methodology of integration of a clinical data warehouse with a clinical information system: the HEGP case (E ZAPLETAL, N RODON, N GRABAR, P DEGOULET)

**EHR Reuse of Data**
14/09/2010 10:30-12:15
Session location (room): 1.6.1 & 1.6.2
Chairperson: Bernstein Knut

241: Steps towards Single Source - Collecting Data about Quality of Life within Clinical Information Systems (F Fritz, S Ständer, B Breil, M Dugas)

254: Medication Counseling: Analysis of Electronic Documentation Using the Clinical Care Classification System (K Saranto, J Moss, V Jylhä)

405: Facilitating secondary use of medical data by using openEHR archetypes (CD Kohl, S Garde, P Knaup)

409: Cognitive Evaluation of a Physician Data Query Tool for a National ICU Registry; Comparing Two Think Aloud Variants and Their Application in Redesign (L Peute, N de Keizer, M Jaspers)

524: The REUSE project: EHR as single datasource for biomedical research (A EL FADLY, C Daniel, PY Lastic)
Evaluation Methodology - 14/09/2010 10:30-12:15
Session location (room): 1.6.3 & 1.6.4
Chairperson: Ammenwerth Elske

477: A Multi-method Approach to Evaluate Health Information Systems (P Yu)
156: Mini-Stare-HI: Guidelines for reporting health informatics evaluations in conference papers (N de Keizer, J Talmon, E Ammenwerth, J Brender, P Nykanen, M Rigby)
353: Mapping stakeholders for system evaluation - the case of the Electronic Prescription Service in England (V Lichtner, D Petrakaki, R Hibberd, W Venters, T Comford, N Barber)
555: The Information Quality Triangle: a methodology to assess Clinical Information quality (R Choquet, D Quoiyd, D Ouagne, E Pasche, C Daniel, O Bousaid, MC Jaulent)

Information Retrieval - 14/09/2010 10:30-12:15
Session location (room): 2.4.1 & 2.4.2
Chairperson: Hersh William

96: Clinical Task-Specific Query Expansion for the Retrieval of Scientifically Rigorous Research Documents (S Yoo, J Choi, S Choi)
343: Finding Knowledge Translation Articles in CINAHL (C Lokker, KA McKibbon, N Wilczynski, RB Haynes, D Ciliska, M Dobbins, D Davis, S Strauss)
881: Retrieving Similar Cases from the Medical Literature - The ImageCLEF experience (J Kalpathy-Cramer, S Bedrick, S Radhouani, W Hersh, I Eggel, C Kahn, H Müller)
620: Auto-selection of DRG Codes from Discharge Summaries by Text Mining in Several Hospitals - Analysis of Difference of Discharge Summaries - (T Suzuki, S Doi, G Shimada, M Takasahi, T Tamura, S Fujita, K Takabayashi)

Mining Biomedical Literature - 14/09/2010 10:30-12:15
Session location (room): 2.6.6
Chairperson: Hunter James

941: The Trajectory of Scientific Discovery (T Cohen, R Schvaneveldt)
612: Exploitation of linguistic indicators for automatic weighting of synonyms induced within three biomedical terminologies (N Grabar, T Hamon)
751: Identification of relations between risk factors and their pathologies or health conditions by mining scientific literature (T Hamon, M Grafla, V Raggio, N Grabar, H Naya)
108: Towards Automating the Initial Screening Phase of a Systematic Review (T Bekhuis, D Demner-Fushman)
950: Text Mining approaches for Automated Literature Knowledge Extraction and Representation (A Nuzzo, F Mulas, M Gabetta, E Arbustini, B Zupan, C Larizza, R Bellazzi)

Nation-Wide Implementation - 14/09/2010 10:30-12:15
Session location (room): 2.4.4 & 2.4.5
Chairperson: Geissbuhler Antoine

251: Interoperability prototype between hospitals and general practitioners in Switzerland (B Alves, H Müller, M Schumacher, D Godel, OA Khaleed)
285: eHealth in Thailand: the current status (B Kijsanayotin, N Kasitipradith, S Pannarunothal)
348: Diffusion and use of Electronic Health Record Systems in Norway (V Heimly, A Grimsmo, A Faxvaag, TP Henningsen)
494: EHR Implementation in South Africa: How do we get it right? (P Yogeswaran, G Wright)
National and International Health IT I -
14/09/2010 10:30-12:15
Session location (room): 2.4.6
Chairperson: Lorenzi Nancy

626: Monitoring diseases across borders: African regional integrative information systems (T Simbini, P Nesara, C Cossio, R Foster)


754: A Socio-Technical Approach to Continuity of Care and Electronic Records in the South African Context (N Mostert, D Potts, M Korpela)

854: Implementing OpenMRS for patient monitoring in an HIV/AIDS care and treatment program in rural Mozambique (EJ Manders, E José, M Solis, J Burilson, JL Nhampossa, T Moon, Moon, s Vermund)

940: A Business case for HIT Adoption: effects of *meaningful use* EHR financial incentives on clinic revenue (N Behkami, D Dorr, S Morrice )

Professional Education and Training -
14/09/2010 10:30-12:15
Session location (room): 2.6.1 & 2.6.2
Chairperson: Mantas John

951: Medical Education & Health Informatics: Time to join the 21st Century? (N Shaw)

261: Impact of content-specific email reminders on provider participation in an online intervention: a Dental PBRN study (T Houston, H Coley, R Sadasivam, M Ray, J Williams, J Allison, G Gilbert, C Kiefte, C Kohler, DPRBN Collaborative Group)

256: Multidisciplinary Education in Medical Informatics – A course for medical and informatics students (B Breil, F Fritz, V Thiemann, M Dugas)

129: An approach to simulate and visualize intraoperative scattered radiation exposure to improve radiation protection training (M Wagner, C Duwenkamp, W Ludwig, K Dressing, OJ Bott)

609: Training Software Developers for Electronic Medical Records in Rwanda (R Seymour, A Tang, J DeRiggi, C Munyarburanga, R Cuckovitch, P Nyirishema, H Fraser)

Workflow -
14/09/2010 10:30-12:15
Session location (room): 2.6.4 & 2.6.5
Chairperson: Aarts Jos

278: What effect does electronic ordering have on the organisational dynamics of a hospital pathology service? (A Georgiou, J Westbrook, J Braithwaite)

864: Exploring Control in Health Information Systems Implementation (M Aali, T Cornford, E Klecun)


427: Clinicians and information technology support services in practice settings - a pilot study (J Fernando)

785: Complexities in securing sustainable IT infrastructures in Hospitals: The many faces of Local Technical Support (L Stub Petersen)

Poster - Session 10 - Health Information systems - design and evaluation
14/09/2010 12:15-13:30
Session location (room):
Chairperson: Degoulet Patrice

146: WTC Medical Monitoring and Treatment Program Clinical Studies Data Management System: A Usability Evaluation (M Kim, D Mohrer, B Trusko, P Landrigan, P Elkin)

272: Quality of human-computer-interaction - Results of a national usability-survey of Hospital-IT in Germany (R Röhrig, B Bundschuh, T Bürkle, K Kuhn, U Sax, C Seggewies, C Vosseler)

649: Do machine translations increase the usefulness of summaries of MEDLINE abstracts? A preliminary study with medical students and physicians in Peru (MA Ceccarelli, WH Curioso, F Liu, P Fontelo)

917: Impact of Alert Specifications on Clinician Adherence: a Systematic Review (R Khajouei, L Peute, M Langemeijer)

104: A Scientometric Study on Health and Medical Informatics Literature (F Aminpour, P Kabiri)

474: Comparing Two Protocols for Head and Neck Cancer: a Cost-Effectiveness Analysis (C Rognoni, S Rubrichi, S Quaglini, NL Liberato, L Licitra, M Marchetti, T Gorla, J Vermorken)

614: Obesity and Web 2.0: Psycho-educative Groups (I Giorgi, MA Zanetti, R Renati, V Percivalle, A La Manna, F Magri, MC Mazzoleni)

773: Analysis of Transfer In and Out of Stroke Care Units Using Bayesian Networks (S Nadathur, J Warren)
### National and International Health IT efforts

**Poster - Session 11**

**14/09/2010 12:15-13:30**

**Session location (room):**

**Chairperson:** Faye Brenda

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<th>Poster Title</th>
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<td>Challenges of Electronic Health Records Implementation (GD Mogli)</td>
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<td>Health Information Technology in Dubai: A Qualitative Study (M AlRedha, S Reti, H Feldman, C Safran)</td>
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<td>Design and Evaluation of txt2MEDLINE and Searchable Database of SMS Optimized, Clinical Guidelines for Clinicians in Botswana (C Kovarik, P Fontelo, F Liu, K Armstrong, R Littman-Quinn, R Banez, A Seymour, T Shih, L Mazhani)</td>
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<tr>
<td>Solutions in Global Women’s Health Care Delivery: Use of Mobile Telemedicine for Cervical Cancer Screening (R Gormley, K Quinley, T Shih, Z Szep, A Steiner, D Ramogola-Masire, C Kovarik)</td>
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<td>How integrated health IT systems improve efficiency of MRSA Surveillance in hospitals (AY TONG, CH Tsu, H Sin)</td>
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<td>Mutual Isolation and the Fight for Care: Exploring Home-based Healthcare in two South African Communities (I van Zyl, A Delen, S Tswana)</td>
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<td>CHRONIOUS: A Multinational and Interdisciplinary European Project for Innovative E-Health Management of Chronic Patients at Home (R Farre, A Papadopoulos, G Munaro, R Rosso)</td>
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<td>LexCare Suite: Korean National Terminology Server for Interoperable EHR (S Lee, S Jeong, SK Lee, SJ Song, Hg Kim)</td>
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<td>Indicators of Success for Clinical Engagement in Scotland’s National eHealth Programme (H Strachan, C Vance)</td>
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<td>Medical Informatics Efforts in Turkey (O Saka, N Zayim, H Gülkesen)</td>
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<td>Establishment of an Infrastructure to Support the Introduction of Electronic Signatures: a German Example (H Kosock, J Balzan, A Brandner, C Dujat, C Duenenkamp, R Haas, N Helfrung, P Schmucker, C Seidel)</td>
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<td>Towards the Standardization and Promotion of Interoperability in eHealth (M Ortega Portillo, Md M Fernández Rodríguez, MF Cabrera Umpierrez, MT Arrendondo)</td>
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<td>Selecting Clinical Computing Hardware Devices for Hospital Wards: The Role of IT Vendors (M Prgomet, J Callen, J Westbrook)</td>
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<td>eHealth for all: territory-wide electronic health records in Hong Kong (A Sek, N Cheung)</td>
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<tr>
<td>Mapping to SNOMED CT in Sweden – a matter of quality (U Gerdin, B Kron, L Berg, D Karlsson, A Vikström, R Morgell)</td>
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<td>Governing quality in translation of SNOMED CT (K Ahlén, U Gerdin, E Ericsson)</td>
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<td>A National Information Structure in Sweden (A Schwieler, L Holm Sjögen)</td>
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### Public health informatics, technologies for health informatics

**Poster - Session 12**

**14/09/2010 12:15-13:30**

**Session location (room):**

**Chairperson:** Marin Heimar

<table>
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<th>Poster Title</th>
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<td>Ruby implementation of the openEHR specifications (S KOBAYASHI, A TATSUKAWA)</td>
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<td>Alert information sharing – a proposed model (R Lövström, R Chen, G Klein)</td>
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<td>Productivity and management tools hospital in the chilean market (L Osorio, S de la Fuente)</td>
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<td>Countrywide implementation of Patient Appointment Reservation System in Lithuania (R Kizaltis)</td>
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**e-Learning**
14/09/2010 13:30-15:00
Session location (room): 1.4.3 & 1.4.4
Chairperson: Murray Peter

17: Investigating the potential of e-learning in healthcare postgraduate curricula: A structural equation model (M Katharaki, S Daskalakis, J Mantas)

109: An open repositories network development for medical teaching resources (G Soula, S Darmoni, P Le beux, Jm Renard, B Dahamma, M Fieschi)


815: Earnings in E-learning: Knowledge, CME credits or both? Hints From Analysis of Attendance Dynamics and Users' Behaviour (MC Mazzoleni, C Rognoni, e Finozzi, M Landro, E Lapodaglio, M Imbrani, I Giorgi)

**Panel**
14/09/2010 13:30-15:00
Session location (room): n/a

413: The Future of Clinical Decision Support: Leveraging the Promise of Molecular Medicine (R Jenders, KP Adlassnig, S Muttitt, F Quirós)

**Panel**
14/09/2010 13:30-15:00
Session location (room): n/a

75: International efforts towards cost effective High quality health care-Leveraging Telemedicine for Improved Access (J Srini, A Elgoni, J Mulcahy)

**Panel**
14/09/2010 13:30-15:00
Session location (room): n/a

442: Singapore's National EHR – Informing the Road to 2010 & Beyond (S Muttitt, S McKinnon, C Brooks, S Rainey)

**Panel**
14/09/2010 13:30-15:00
Session location (room): n/a

556: Large Scale EHR-Implementations: The Other Side of the Story Social, Organizational & Cultural Aspects (A Kouroubali, L Esterle, G De Moor, M Bruun-Rasmussen)

**Panel**
14/09/2010 13:30-15:00
Session location (room): n/a

402: Monitoring the effects of health information systems (C Nøhr, A Faxvaag, F Lau)

**Panel**
14/09/2010 13:30-15:00
Session location (room): n/a

Panel -
14/09/2010 13:30-15:00
Session location (room):
Chairperson: n/a
995: Towards a Global Dimension in Grid Computing for Biomedical Research: Perspectives and Challenges (G Mihalas, R Haux, YCJ Li, JC Silverstein, Y Legre, F Quiros)

Panel -
14/09/2010 13:30-15:00
Session location (room):
Chairperson: n/a
994: Nursing Informatics across continents: the IMIA NI SIG (H Marin, P Abbott, P Weber, H Park, G Wright)

Social Networking and Virtual Reality -
14/09/2010 13:30-15:00
Session location (room): 1.6.1 & 1.6.2
Chairperson: Slack Warner
436: The Influence of Crowds on Consumer Health Decisions: An Online Prospective Study (A Lau, T Kwok, E Coiera)
349: Using the Virtual Reality World of Second Life to Teach Nursing Faculty Simulation Management (E Weiner, R McNew, P Trangenstein, J Gordon)
607: An Analysis of Nursing Education’s Immersion into Second Life, a Multi-user Virtual Environment (MUVE) (P Trangenstein, E Weiner, J Gordon, R Mcklow)

Advances in Medical Informatics -
14/09/2010 13:30-15:00
Session location (room): 1.4.3 & 1.4.4
Chairperson: Roudsari Abdul
916: 10 Years Experience with Pioneering Open Access Publishing in Health Informatics: The Journal of Medical Internet Research (JMIR) (G Eysenbach)
308: Evaluation of the use of an *ask-the-expert* e-consultation service for support on health-related requests (N Nijland, L Van Gemert-Pijnen, S Kelders, B Brandenburg, E Seydel)
709: Strengthening Health Systems through training of Health Care Providers in the conduct of Routine Waiting Time and System Efficiency Surveys (G Reagon, E Igumbor)
706: Access Control in Healthcare: the methodology from legislation to practice (A Ferreira, R Cruz-Correia, D Chadwick, L Antunes)

CPOE -
14/09/2010 13:30-15:00
Session location (room): 1.6.1 & 1.6.2
Chairperson: Margolis Alvaro
140: Optimizing Medication Reminders Using a Decision-Theoretic Framework (M Pavel, H Jimison, T Hayes, N Larimer, S Hagler, Y Vimegnon, T Leen, U Ozertem)
330: Case Study: Analysis of End-User Requests on Electronic Medical Record and Computerized Physician Order Entry System of Seoul National University Hospital in Korea (YA KIM, SY SHIN, EM JO, CH PARK, MA HWANG, KH KIM, CK CHUNG)
650: Method for testing a CPOE system in the medication process in a cardiology ward (C Nehr, M Serensen, A Kushniruk)
787: Discuss Now, Document Later: CIS/CPOE Perceived to be a ‘Shift Behind’ in the ICU (S Collins, S Bakken, D Vawdrey, E Coiera, L Currie)
Electronic Guidelines and Protocols -
14/09/2010 15:30-17:15
Session location (room): 1.6.3 & 1.6.4
Chairperson: Peleg Mor

305: Supporting Human Interaction and Human Resources Coordination in Distributed Clinical Guidelines (A Bottrighi, M Torchio, S Montani, G Molino, P Terenzianni)
79: Goal-based design pattern for delegation of work in health care teams (A Grando, M Peleg, D Glasspool)
627: Data mining techniques for analyzing stroke care processes (S Panzarasa, S Quaglini, L Sacchi, C Anna, G Micieli, M Stefanelli)
629: Design of a continuous multifaceted guideline-implementation strategy based on computerized decision support (M van Engen-Verheul, N de Keizer, I Hellemans, R Kraaijenhagen, A Hasman, N Peek)
225: Analyzing effects of providing decision support feedback at ward rounds on guideline adherence – The importance of feedback usage analysis and statistical control charts (A Abu-Hanna, S Eslami, M Schultz, E de Jonge, N Keizer)

Imaging -
14/09/2010 15:30-17:15
Session location (room): 2.4.1 & 2.4.2
Chairperson: Maeder Anthony

239: Indexing the medical open access literature for textual and content-based visual retrieval (I Eggel, H Müller)
355: Evaluation of Methods for Bolus Arrival Time Determination using a Four-dimensional MRA Flow Phantom (D Säring, ND Forkert, T Illies, J Fiehler, H Handels)
543: Automatic Analysis of the Anatomy of Arteriovenous Malformations using 3D and 4D MRA Image Sequences (ND Forkert, D Säring, H Handels)
354: A Block-matching based technique for the analysis of 2D gel images (A Freire, JA Seoane, Á Rodríguez, C Ruiz-Romero, G López-Campos, J Dorado)
22: A Web Service for enabling Medical Image Retrieval Integrated into a Social Medical Image Sharing Platform (M Niinimaki, X Zhou, E de la Vega, M Cabrer, H Müller)

Information Needs and Teleconsultation -
14/09/2010 15:30-17:15
Session location (room): 1.4.1 & 1.4.2
Chairperson: Koch Sabine

642: Information needs in home-based healthcare in South Africa (R de la Harpe, J Barnes, M Korpela)
680: Barriers of Obtaining Health Information Among Diabetes Patients (M James, Y Chen)
678: Web-Based Asynchronous Teleconsulting for Consumers in Colombia: A 2-year Follow Up. (JI Valenzuela, C Lopez, Y Guzman)
295: The Role of Patients in Transiting Personal Health Information: A Field Study (Y Chen)
504: A Mobile Phone Based Telemonitoring Concept for the Simultanous Acquisition of Biosignals and Physiological Parameters (H Kumpusch, D Hayn, K Kreiner, M Falgenhauer, J Morak, G Schreier)

National and International Health IT II -
14/09/2010 15:30-17:15
Session location (room):
Chairperson: De Faria Leao Beatriz

370: eHealth Vision Towards Cooperative Patient Care – Domain Fields and Architectural Challenges of Regional Health Care Networks (N Gusew, A Gerlach)
723: Evolution of Hospital Information Systems and the Role of Electronic Patient Records: from the Italian Scenario to a Real Case (P Locatelli, N Restifo, L Gastaldí, E Simi)
734: Learning lessons from electronic prescribing implementations in secondary care (T Cornford, I Savage, Y Jani, B Dean Franklin, N Barber, A Slev, A Jacklin)
378: Empirical Analysis of the Reduction of Medical Expenditures by eHealth (Y Akematsu, M Tsuji)
Public Health Informatics II  
14/09/2010 15:30-17:15  
Session location (room): 2.6.1 & 2.6.2  
Chairperson: Isaacs Sedick

110: A full-text information retrieval system for an epidemiological registry (M Cuggia, S Bayat, N Garcelon, L Sanders, F Rouget, A Coursin, P Pladys)

616: Using a File Audit to Evaluate Retention in Care and Patient Outcomes in a Programme to Decentralise Antiretroviral Treatment to Primary Health Care Facilities in a High Prevalence Setting in KwaZulu-Natal, South Africa. (C Searle, A Ramkisson, T Govender)


971: The Emergence of Mobile-Supported National Health Information Systems in Developing Countries (J Asangansi, K Braa)

918: Design and Assessment of a Common, Multi-National Public Health Informatics Infrastructure to Enable H1N1 Influenza Surveillance (A Advani, A Turuvekere, C Liu, K Rubin, C Lamner, T Cullen)

Regional/National Information Systems  
14/09/2010 15:30-17:15  
Session location (room): 2.4.4 & 2.4.5  
Chairperson: Moura Lincoln

674: The Evolution and Uptake of a Drug Information System: the Case of a Small Canadian Province (N Mensink, G Paterson)

327: Towards a National Health Information System Evaluation (H Hyppönen, P Doupi, P Hämäläinen, J Komulainen, R Suomi, P Nykänen)

421: CEDRIC: A Computerized Chronic Disease Management System for Urban, Safety Net Clinics (O Ogunyemi, S Mukherjee, C Ani, D Hindman, S George, R Ilapakurthi, M Verma, M Dayrit)

663: Experience Implementing a Point-of-Care Electronic Medical Record System for Primary Care in Malawi (E Waters, J Rafter, G Douglas, M Bwanali, D Jazayeri, H Fraser)

771: LuMiR: The region-wide EHR-S in Basilicata (M Contentti, G Mercurio, FL Ricci, LD Serbanati)

Security and Privacy  
14/09/2010 15:30-17:15  
Session location (room): 2.6.4 & 2.6.5  
Chairperson: Feldman Henry

237: HIIPAA Compliance and Patient Privacy Protection (T Grandison, R Bhatti)

81: Deployment of a Highly Secure Clinical Data Repository in an Insecure International Environment (H Feldman, S Reti, E Kaldany, C Safran)


366: Trust - can it be controlled (D Box, D Pottas)

273: Healthcare Chains – Enabling Application and Data Privacy Controls for Healthcare Information System (E Omran, T Grandison, S Abu Almaati)

Terminologies at Use  
14/09/2010 15:30-17:15  
Session location (room): Audi 1  
Chairperson: Cimino James

901: Using the Abstraction Network in Complement to Description Logics for Quality Assurance in Biomedical Terminologies - A Case Study in SNOMED CT (D Wei, O Bodenreider)


389: Implementing rules to improve the quality of post-coordination terms with SNOMED CT (H Navas, A Lopez Osornio, L Gambarte, G Elias Leguitzamon, S Wasserman, N Orrego, D Luna, F Bermudo de Quiros)

572: Enhancing a Taxonomy for Health Information Technology: An Exploratory Study of User Input Towards Folksonomy (B Dixon, J McGowan)

948: Exploiting UMLS Semantics for Quality Assurance Purposes (H Erdogan, E Erdem, O Bodenreider)
26: Supporting Teamwork Along the Multi-disciplinary Care Pathway (H Al-Salamah, A Skilton, A Gray)

211: Transinstitutional Health Information System Architectures – a Literature Review (W Ludwig, N Gusew, N Heilrung, M Wagner, KH Wolf, R Hauck)


671: Virtual Scenarios for diagnosis and rehabilitation of mentally disordered offenders and for men sentenced for domestic violence (U Fors, K Sygel, AK Svensson, M Kristiansson)

828: Physicians interrupted by mobile devices in hospitals – understanding the interaction between devices, roles and duties (T Solvoll, J Scholl, G Hertvigsen)

844: MEDIS: An Italian Registry of Clinical Investigations on Medical Devices (D Luzi, F Pecoraro, M Contenti, G Mercurio)

93: How to build a corporate e-pain form and pain terminology? (K Szeto, V Fung, A Wong, A Au-yeung, HH Tsui, R Siu, J Lam, S Wong)

135: Partnering health service managers to create software that makes a difference: support for HIV and TB programme management at district and facility level (H Snyder, V Scott, G Adams)

222: A requirement engineering framework for the application of Web 2.0 technology in health care (O Shabestari, A Roudsari)


321: Integration and Information Sharing Needs in Cross-organizational Health Care (I Luukkonen, A Mursu, M Korpela)

424: Impact of Potential Teratogenic Medication Alert System in the Emergency Department (HW Han, JH Lee, JS Hyun)

432: Development of a clinical information system in an Underserved Community Clinic: A Community Partnered Participatory Research Approach (S George, D Hindman, C Ani, O Ogunami, S Mukherjee, R Ilapakurthi, M Verma, R Baker, M Day)
877: Generating a Disease Ontology using specialization and combinatorial restriction rules (I Belhadj, C Jacquelinet, C Christian)


561: Status of Interoperability Requirements related to IHE Integration Profiles in Finland (H Virkanen, J Mykkänen, T Kajaste)

186: Modeling and Integrating Terminologies into a French Multi-terminology Server (M JOUBERT, T Merabti, PY Vandenbussche, H Abdoune, B Dahamna, M Fieschi, S Darnoni)

505: The Development and Application of a Korean Clinical Data Dictionary (H Choi, M Kim, J Lee, Y Kim)

163: An attempt to develop a fast and intuitive user interface for searching, identifying and comparing LOINC® Codes (J Hatzl, S Sabutsch)


579: Evaluation of a program for identifying patients with diabetes from electronic health records in the information system (L Biagini, A Mauro, C Torres Casanelli, L Legorburu, L Lucic, M Pezzani, P Navarro, D Luna, F Gonzalez Bernaldo de Quiros, M Maire)

589: What are the Barriers to the Submission of Good Quality Diagnosis Codes by Medical Practitioners in South Africa? (L Whitelaw)

991: Implementation and Validation of a Tool for the Automatic Calculation of DRG (G Lopez, H Navas, N Orrego, S Wassermann, G Elia Leguizamon, J Pollan, J Arbelbide, D Luna, F Gonzalez Bernaldo de Quiros)

Poster Session 16: Nursing informatics and Public health
14/09/2010 17:15-18:45
Session location (room):
Chairperson: Joanne Callen

87: Impact of Barcode Medication Administration on Nursing Activity Patterns in Taiwan (HY HUANG, TT LEE)

190: Patient Perception of Information Sharing with Medical Professionals in Japan (K Ota, J Maeda, H Iguchi, Y Niimi, M Nakamura, Y Asanuma, K Yamanouchi, Y Karasawa, T Kadoi, C Suzuki, T Fuji, M Matsuda)

210: Measuring the level of acceptance of the Electronic Health Record (Y Koster, W Goossen)

288: Evaluation of Telehealth use in Home Care: A Proposed Study (TT Lee)

385: Data mining in Self-Management (S Yoon, S Bakken)

796: From Electronic Documentation to Evidence Based Nursing: Creating Data Marts for Analysis, Evaluation and Improvement of Processes in Patient Care (W Hacki, T Schwarzmayer, F Rauchegger, C Ederer, M Handler, A Dander, A Hoerbst, B Pfeifer)

910: Twenty Eight Years of CARING: An International Group for Informatics Nurses (S Newbold)


566: Discharging the patient from Hospital to Home-Care: An application attempting to combine E 2369 (CCR) ISO 13606-1 and prEN 13940 Standards (B Spyropoulos, M Botsivaly)

685: Development of a computerized material management system in an university hospital (ML Paschoal, V Castilho)

848: How Did We Show the IT People What We Nurses Want about the System? The Case of Self Service in Patient Care (W Hacki, T Schwarzmary, F Rauchegger, C Ederer, M Handler, A Dander, A Hoerbst, B Pfeifer)


98: eSurveillance and eMonitoring for the epidemic of Chikungunya Dengue diseases in capital City New Delhi, INDIA (A Biswas, SK Meher, B Rath)

296: Current status of the New Healthcare Advice System that uses e-mail and electronic data exchange for prevention of metabolic syndrome in Japan (Y IWASAWA, T SAKAMAKI)

310: Assessment of Hypnotics Prescriptions in Adult Cancer Inpatients Reusing Data in a Clinical Data Warehouse (Q Zhang, Y Matusmura, T Murata, H Takeda)

368: A Grid System for Timely Surveillance of Influenza/Pneumonia Using Death Records (C Staes, R Price, K Davis, B Nangle, J Duncan, C Friedman, A Lai, L Shagina Ena, J Facelli)

392: The Electronic Child Health Passport as an Effective Tool for Health-Promoting Educational Technologies (P Kuznetsov, V Budenkov, K Chebotarev)

68: The Medical Ecosystem – Personalised Event-based Surveillance (K Denecke, A Stewart, T Eckmanns, D Faensen, P Dolog, P Smrz)
Scientific Demonstrations - Public Health Applications
14/09/2010 17:15-18:15
Session location (room): 1.4.1 & 1.4.2
Chairperson: Isaacs Sedick
124: Climate, Satellites, and Public Health (F Grant, G Higgins, J Schindler)
739: ETR.Net and EDRWeb: Surveillance Tools for Standard and Drug-Resistant Tuberculosis (P Maree, M Naicker, J Ferguson)
801: RFID enabled cell-phones used for rapid diagnosis of pneumonia by health workers and laypersons using IMCI guidelines in low-resource, low-literacy settings (A Habib, A Abdul-Karim, J Irani, A Khan)

Scientific Demonstrations - Innovation in Telemedicine and Mobile Phone Applications
14/09/2010 17:15-17:55
Session location (room): 2.4.4 & 2.4.5
Chairperson: Larizza Cristiana
245: Investigating the Effectiveness of Wiping Movements on a Single-Touch Screen for Information Input of Users with Impaired Motor Skills (A Mertens, P Przybysz, N Behnke, C Nick)
276: Telematic Support of Dispatch in Trauma Care (C Juhra, T Vordemvenne, R Hartensuer, F Ückert, T Weber, M Ataian, S Hentsch, M Raschke)

Scientific Demonstrations - Applications in Data Management
14/09/2010 17:15-18:15
Session location (room): Audi 2
Chairperson: Zvarova Jana
103: A Web-based, Searchable Database of Orthodontic Case Files for Patient Care, Education, and Research (P Kroth, H Edgar, E Harris, S Kalishman)
891: REDCap (Research Electronic Data Capture): Informatics Support for the Clinical And Translational Research Enterprise (P Harris, R Taylor, J Wang)
619: REST Based Services and Storage Interfaces for openEHR Implementations (E Sundvall, M Nyström, M Eneling, D Karlsson, H Åhfeldt)

Scientific Demonstrations - Innovations in Information Retrieval
14/09/2010 17:15-18:15
Session location (room): 2.4.1 & 2.4.2
Chairperson: Peek Niels
657: Web-Based Medical Image Retrieval Systems: a demonstration of the utility of text, images, and user input in retrieving relevant images (J Kalpathy-Cramer, S Bedrick, S Radhouani, W Hersh, I Eggel, H Müller)
14: A Web Interface to 3D Case-Based Information Retrieval (F Gaillard, A Depeursinge, H Müller)

Scientific Demonstrations - Visualisation
14/09/2010 17:15-18:15
Session location (room): 1.6.3 & 1.6.4
Chairperson: Hauskrecht Milos
897: MediVis: A Physics-Enhanced Visualization Tool for Review of Medication Data (J Duke)
810: SequenceViewer: visualization of genes sequences (A Sallaberry, N Pecheur, S Bringay, M Roche, M Teisseire)
485: Integrated information visualization for enhanced decision making during antibiotic treatment in intensive care (J Forsman, M Falkenhav, N Anani, S Koch)
Scientific Demonstrations - Educational Applications
14/09/2010 17:15-18:15
Session location (room): 1.6.1 & 1.6.2
Chairperson: Mazzoleni Maria Cristina

983: The e-Bug project – teaching children hygiene and antibiotic resistance using Web games (D Farrell, P Kostkova, D Lecky, C McNulty)
76: Practical Resources for Health Informatics Professionals (B Dixon, C Cusack, A Zafar, E Whipple, J McGowan)
382: Second Life®: Educating in the Virtual Environment (J Brixey, WS Erdley, M Hansen, S Stewart)

Scientific Demonstrations - Communication and Patient Management
14/09/2010 17:15-18:15
Session location (room): 1.4.3 & 1.4.4
Chairperson: Scandurra Isabella

564: Data Are Faster Than Patients - Improving Interhospital Communication During Emergency Transfers (P Neuhaus, M Ataian, C Juhra, T Weber, B Fritzen, S Hentsch, F Ueckert)
943: Care Management Plus: A hands on, tech-driven solution for older patients (N Behkami, D Dorr, C Brunker)
414: Facilitating Communication With Junior Doctors to Improve Patient Safety (A Young, E Miles, J Bloor)

Workshop - Sensor-Based Falls Detection
14/09/2010 17:15-18:45
Session location (room): 2.4.6
Chairperson: n/a

689: Workshop: Sensor-based fall detection and prediction (M Marschollek, M Goevercin, J Spehr, S Redmond)

Workshop - STARE Evaluation
14/09/2010 17:15-18:45
Session location (room): 2.6.1 & 2.6.2
Chairperson: n/a

238: Guidelines for the reporting of Health Informatics evaluation studies: Their rationale and application (J Talmon, E ammenwerth, J Brender, M Rigby, P Nykanen, N de Keizer)

Workshop - Personal Health Information Systems
14/09/2010 17:15-18:45
Session location (room): 2.6.4 & 2.6.5
Chairperson: n/a


15/09/2010

Decision Support in Clinical Practice II -
15/09/2010 10:30-12:15
Session location (room): 1.4.1 & 1.4.2
Chairperson: Sittig Dean

134: MET3-AE System to Support Management of Pediatric Asthma Exacerbation in the Emergency Department (S Wilk, W Michalowski, K Farion, J Sayyad Shirabad)
233: Integration of Workflow and Rule Engines for Clinical Decision Support Services (L JaeHoon, K JeongAh, C InSook, K Yoon)
727: Using a Business Rule Management System to Improve Disposition of Traumatized Patients (P Neuhaus, O Noack, TA Majchrzak, F Ueckert)
938: Implementation of a Clinical Decision Support System using a Service Model: Results of a Feasibility Study (D Borbolla, C Otero, DF Lobach, K Kawamoto, AM Gomez Saldaño, G Staccia, G Lopez, D Luna, F Gonzalez Bernaldo de Quiros)
DSS in Pharmacovigilance and Adverse Drug Reaction
15/09/2010 10:30-12:15
Session location (room): 1.4.3 & 1.4.4
Chairperson: Kulikowski Casimir

691: Modeling, building and evaluating an ontology for the automatic characterization of adverse drug effects during pharmacovigilance (C Duclos, LF Soualmia, S Krivine, A Jamet, A Lillo Louët)

360: Documentation in Pharmacovigilance: using an ontology to extend and normalize Pubmed queries (D Delamarre, A Lillo-Le Louët, L Guillot, A Jamet, E Sadou, T Ouazine, A Burgun, MC Jaulent)

638: Can F-MTI semantic-mined drug codes be used for Adverse Drug Events detection when no CPOE is available? (B Merlin, E Chazard, S Pereira, E Serrot, S Sakji, R Beuscart, S Darmon)

309: A Qualitative Approach to Signal Mining in Pharmacovigilance using Formal Concept Analysis (A Lillo-Le Louët, Y Toussaint, J Villerd)

284: Extraction of Adverse Drug Effects from Clinical Records (E ARAMAKI, Y MIURA, M TONOIKE, T OHKUMA, H MASHUICHI, K WAKI, K OHE)

EHR Architectures
15/09/2010 10:30-12:15
Session location (room): 1.6.1 & 1.6.2
Chairperson: Degoulet Patrice

593: Balancing centralised and decentralised EHR approaches to manage standardisation (KH Rosenbeck, AR Rasmussen, P Elberg, SK Andersen)

636: A Scheme for Assuring Lifelong Readability in Computer Based Medical Records (Y Matsumura, N Kurabayashi, T Iwasaki, S Sugaya, K Ueda, T Mineno, H Takeda)

698: Patient's Needs Assessment Documentation in Multidisciplinary Electronic Health Record (K Häyrinen, K Saranto)

978: A Lab-EMR Interoperability Profile as an eHealth Architecture Component for Resource-Constrained Settings (W Lober, D Revere, R Hills)

Nursing Documentation and Terminology
15/09/2010 10:30-12:15
Session location (room): 1.6.3 & 1.6.4
Chairperson: Hovenga Evelyn

301: Ontology Based Modeling and Execution of Nursing Care Plans and Practice Guidelines (M Din, R Abidi, B Jafarpour)

664: Mapping ICNP Version 1 Concepts to SNOMED CT (HA Park, C Lundberg, A Coenen, D Konicek)

236: The Need for Standardised Documents in Continuity of Care: Results of Standardising the eNursing Summary (U Hübner, D Flemming, KU Heitmann, F Oemig, T Thun, A Dickerson, M Veenstra)

297: Electronic System for Clinical Documentation of Structured Nursing Diagnosis, Results, and Intervention (HHC Peres, DdALMd Cruz, AFC Lima, RR Gadziniski, DCF Ortiz, MM Trindade, R Tsukamoto, NBd Oliveira)

461: Adopting the National Structure of Nursing Documentation is Consequential in the Development of Care (E Häyrinen, K Lemmetty, T Ala-Hiira, S Pitkänen)

Organisational Issues
15/09/2010 10:30-12:15
Session location (room): 2.4.1 & 2.4.2
Chairperson: Georgiou Andrew

331: MEDAL: Measuring of Emergency Departments Adaptive Load (E Vitkin, B Carmeli, Y Marmor, O Greenshpan, D Baras)

816: Theories, Models and Frameworks for Diagnosing Technology-Induced Error? (E Borycki, A Kushniruk, J Brender)

662: Process-Aware EHR BPM Systems: Two Prototypes and a Conceptual Framework (C Webster, M Copenhaver)

712: Advancing the State-of-the-Art for Virtual Autopsies – Initial Forensic Workflow Study (I Scandurra, C Forsell, A Ynnerman, P Ljung, C Lundström, A Persson)

721: Why do People Want a Paper Copy of Their Electronic Patient Record? (T Wibe, M Ekstedt, R Hellesa, L Slaughter)
Primary and Home Care - 15/09/2010 10:30-12:15
Session location (room): 2.4.4 & 2.4.5
Chairperson: Eysenbach Gunther

257: A Home-centered ICT Architecture for Health-enabling Technologies (B Song, M Marschollek, KH Wolf, M Gietzelt, T Franken, R Haux)


514: The need for a new care model: Getting to grips with collaborative home care (M Winge, LÅ Johansson, M Nyström, E Lindh-Waterworth, B Wangler)

470: Understanding Resistance towards Electronic Patient Health Data in South Australian Family Practice (J Knight, M Patrickson, B Gurd)

Systems for Reasoning and Representing Biomedical Knowledge- 15/09/2010 10:30-12:15
Session location (room): 2.6.1 & 2.6.2
Chairperson: Coiera Enrico

829: Bridging the semantics gap between terminologies, ontologies, and information models (S Schulz, D Schober, C Daniel, MC Jaulent)

258: Towards an implicit treatment of periodically-repeated medical data (B Stantic, P Terenziani, A Sattar, A Bottrighi, G Governatori)


871: Combining Relevance Assignment with Quality of the Evidence to Support Guideline Development (M Fiszman, B Bray, D Shin, H Kilicoglu, G Bennett, O Bosman, T Rindflesch)

872: Semantic Reasoning with XML-based Biomedical Information Models (M O'Connor, A Das)

Terminology Linking - 15/09/2010 10:30-12:15
Session location (room): 2.6.4 & 2.6.5
Chairperson: Smith Barry

136: Linking UniProt and MeSH – A Case Study on Human Protein Terms (E Beisswanger, J Wermter, U Hahn)

264: Querying the National Drug File Reference Terminology (NDFRT) to Assign Drugs to Decision Support Categories (L Simonaitis, G Schadow)

324: Visualization of disease distribution with SNOMED CT and ICD-10 (M Nyström, A Vikström, G Nilsson, H Örman, H Åhlfeldt)

344: Using SNOMED CT to identify a Crossmap between two Classification System: A Comparison with an Expert-Based and a Data-Driven Strategy (F Bakhsi-Raiez, R Cornet, R Bosman, H Joore, N de Keizer)


User Satisfaction - 15/09/2010 10:30-12:15
Session location (room): 2.4.3
Chairperson: Beuscart-Zéphir Marie-Catherine

30: Computerization of a Preanesthetic Evaluation and User satisfaction evaluation (A Arias, S Benitez, D Canosa, D Borbolla, F Piazzotta, M Casais, H Michelangelo, D Luna, F González Bernaldo de Quiroz)

38: User Perceptions of Benefits of an Electronic Medical Record on a Latinamerican Medical Portal (D Flichtentrei, F Braga, D Garcia, J Jamsech, C Otéro, M Waldhorn, D Luna, F González Bernaldo de Quiros)

219: Evaluating the importance level of different aspects of electronic blood transfusion system form the end users point of view (K Goddard, O Shabestari, J Kay, A Roudsari)

522: Can Signalling Theory and the Semaphoric Nature of Information Systems Explain Clinicians’ Ambivalence to Informatics? (D Meyer, B Cox)

982: Factors associated with health information system success: Results of a survey of hospitals in South Africa (L Hanmer, S Isaacs, JD Roode)
Consumer Terminology - 15/09/2010 13:30-15:00
Session location (room):
Chairperson: Bakken Suzanne

23: A Usability Study of Patient-friendly Terminology in an EMR System (Y Hong, K Ehlers, R Gillis)
661: Characterizing Consumer Health Terminology in the Breast Cancer Field (R Messai, M Simonet, N Souf-Bricon, M Mousseau)
803: Can Multilingual Machine Translation Help Make Medical Record Content More Comprehensible to Patients? (Q Zeng-Treitler, H Kim, G Rosemblat, A Keselman)
876: Exploring Relations among Semantic Groups: A Comparison of Concept Co-occurrence in Biomedical Sources (S Kandula, Q Zeng-Treitler)

Panel - 15/09/2010 13:30-15:00
Session location (room):
Chairperson: n/a

164: eHealth – nurturing patient empowerment? State of the art and reflections from four continents (S Koch, T Hasvold, A Kushniruk, A Marcelo, GB Kouematchou Tchuitche)

Panel - 15/09/2010 13:30-15:00
Session location (room):
Chairperson: n/a

223: Anticipating and Addressing the Unintended Consequences of Health Information Technology and Policy (J Starren, D Bates, N Lorenzi, V Patel, E Shortliffe)

Panel - 15/09/2010 13:30-15:00
Session location (room):
Chairperson: n/a

78: Global Efforts for E-Health Interoperability: The Case of SNOMED CT (J Zeimer, J Srini, K Hannah, S Muttitt)

Panel - 15/09/2010 13:30-15:00
Session location (room):
Chairperson: n/a

132: Doctors, Patients and computers: Evaluating a relationship in evolution (C Pearce, S DeLusignan, A Schackak, A Kushniruk)

Panel - 15/09/2010 13:30-15:00
Session location (room):
Chairperson: n/a

121: Sharing guidelines knowledge: can the dream come true? (M Peleg, J Fox, R Greenes, S Rafaeli)

Panel - 15/09/2010 13:30-15:00
Session location (room):
Chairperson: n/a

319: The Need to develop Health Informatics to become an Evidence-based Health Science, and the Role of the Global ACE Initiative (M Rigby, J Talmon, M Khaled)
Panel -
15/09/2010 13:30-15:00
Session location (room):
Chairperson: n/a

189: Health Information Systems; 30 years of evolution (A Bakker, M Ball, L Christian, R Otto)

Panel -
15/09/2010 13:30-15:00
Session location (room):
Chairperson: n/a

1017: Pioneering Streams in Medical Informatics History: I M Gelfand and others beyond the Mainstream (C Kulikowski, M Shifrin)