The third edition of KR-MED is held in conjunction with the AMIA Spring Conference. This year’s program reflects the international increase in interest in SNOMED CT. With the formation of the International Health Terminology Standards Development Organization (IHTSDO), which has nine charter members from three continents, SNOMED CT is truly becoming an international standard. This is reflected by the program, which highlights the advances in both knowledge representation and knowledge sharing using SNOMED CT.

Saturday, May 31, 2008

1:30 pm  **Tutorials**
1. Terminological, Ontological and Knowledge Representation Aspects
   **Stefan Schulz, Kent Spackman**
   *Room: Sedona C*
2. Translating SNOMED CT
   **Ulrich Andersen**
   *Room: Sedona D*

3:00 pm  **Coffee Break**
*Room: Sedona Foyer*

3:30 pm  **Tutorials 1 and 2 continued**
*Rooms: Sedona C and Sedona D*

5:00 pm  **Opening**
*Room: Bougainvillea*

5:30 pm  **Invited Speech**
Building Medical Ontologies Using Description Logics: What Does it Buy Us?
**Franz Baader**, University of Dresden, Germany
*Room: Bougainvillea*

6:30 pm  **Reception**
*Room: Copperwood/Desert Willow*
**Sunday, June 1, 2008**

**8:30 am**  
**Invited Speech**  
Managing Clinical Terminology in a Post-classification Era  
*James R. Campbell*, University of Nebraska  
*Room: Honeysuckle*

**9:30 am**  
**Coffee Break**  
*Room: Honeysuckle*

**10:00 am**  
**Scientific Session I (two parallel sessions)**  
*Session IA – Formalization and Classification*  
Debugging SNOMED CT Using Axiom Pinpointing in the Description Logic EL+  
*Boontawee Suntisrivaporn and Franz Baader*  
Exploiting Fast Classification of SNOMED CT for Query and Integration of Health Data  
*Michael Lawley*  
Why Do it the Hard Way? The Case for an Expressive Description Logic for SNOMED  
*Alan Rector, Sebastian Brandt and Jay Kola*  
*Room: Desert Willow*

*Session IB – Applications*  
Leveraging SNOMED CT with a General Purpose Terminology Server  
*Robert Weida, Jack Bowie, Robert McClure and David Sperzel*  
LinkBase® and SNOMED: Some Distinct Features and Impact on NLP  
*Maria van Gurp, Marnix Holvoet and Mariana Casella dos Santos*  
SNOMED CT: Browsing the Browsers  
*Jeremy Rogers and Olivier Bodenreider*  
*Room: Honeysuckle*

**11:30 am**  
**Poster Presentations (plenary)**  
*Room: Honeysuckle*

**12:30 pm**  
**Lunch**  
*Room: Copperwood*

**1:30 pm**  
**Poster Session**  
*Room: Goldwater*

**3:00 pm**  
**Coffee Break**  
*Room: Honeysuckle*

**3:30 pm**  
**Scientific Session II (two parallel sessions)**  
*Session II A – Mapping and comparing*  
Comparing SNOMED CT and the NCI Thesaurus through Semantic Web Technologies  
*Olivier Bodenreider*  
Exploratory Reverse Mapping of ICD-10-CA to SNOMED CT  
*Dennis Lee and Francis Lau*  
*Room: Desert Willow*

*Session II B – SNOMED CT and Information Models*  
Interoperability of Data Models and Terminology Models : Issues with using the  
SNOMED CT terminology  
*Rahil Qamar Siddiqui, Jay Kola and Alan Rector*  
Essential SNOMED: Simplifying SNOMED-CT and Supporting Integration with Health Information Models
Peter MacIsaac, Donald Walker, Rachel Richesson, Heather Grain, Peter Elkin and Jon Patrick  
Room: Honeysuckle

4:30 pm  
Mini Break

4:40 pm  
Product Presentations by Sponsors (plenary)  
Room: Honeysuckle

6:30 pm  
Conference Dinner  
Room: Copperwood

Monday, June 2, 2008

8:00 am  
Scientific Session III (two parallel sessions)  
Session III A – Representation
- Comparing the Effects of Two Semantic Terminology Models on Classification of Clinical Notes: A Study of Heart Murmur Findings
  Guoqian Jiang and Christopher G. Chute
- Creation and Usage of a "Micro theory" for Long Bone Fractures: An Experience Report
  Howard Goldberg, Vipul Kashyap and Kent Spackman
- Representing Clinical Information Using SNOMED Clinical Terms with Different Structural Information Models
  David Markwell, Laura Sato and Edward Cheetham
Room: Honeysuckle

Session III B – Mapping and Subsetting
- Strategies for Updating Terminology Mappings and Subsets
  John Mapoles, Corey Smith, Jane Cook and Brian Levy
- Using SNOMED CT as a Mediation Terminology: Mapping Issues, Lessons Learned, and Next Steps Toward Achieving Semantic Interoperability
  Sarah Maulden, Patty Greim, Omar Bouhaddou, Pradnya Warnekar, Laura Megas, Fola Parrish and Michael Lincoln
- Using SNOMED CT For Translational Genomics Data Integration
  Joel Dudley, David P. Chen and Atul Butte
Room: Palm 3A

9:30 am  
Coffee Break  
Room: Honeysuckle

10:00 am  
Scientific Session IV (two parallel sessions)  
Session IV A – SNOMED CT and interface terminologies
- A Methodology for Encoding Problem Lists with SNOMED CT in General Practice
  Francis Lau, Raymond Simkus and Dennis Lee
- Post-Coordination in the Mapping of Interface Terms of a Clinical Wound Documentation System to SNOMED CT
  Martin Boeker, Stefan Schulz and Thilo Schuler
- Using SNOMED CT Concepts for PAIRS
  Madan Rao  
Room: Honeysuckle

Session IV B – State of Affairs in SNOMED CT Member Countries (panel)  
Room: Palm 3A
11:30 am  **Invited Speech**  
SNOMED CT Adoption: Lessons and Challenges  
**Howard S. Goldberg**, Partners Healthcare  
*Room: Honeysuckle*

12:30 pm  **Closing Remarks**  
*Room: Honeysuckle*

**Poster Session: Sunday, June 1, 2008, 1:30 pm – 3:00 pm**  
*Room: Goldwater*

- A Mapping between SNOMED-CT and the OXMIS Coding Scheme  
  **Jeffery L. Painter**

- Achieving Consensus on a Common Vocabulary for Patient Health History and Exam Questions and Responses  
  **A.W Forrey, Peter Elkin, Gretchen Murphy**

- Aligning the Top-Level of SNOMED-CT with Basic Formal Ontology  
  **William R. Hogan**

- Defined Representation of the Clinical Care of the Newborn Infant by SNOMED CT  
  **Andrew G. James, Kent A. Spackman**

- Evaluation of two French SNOMED Indexing Systems with a Parallel Corpus  
  **Suzanne Pereira, Philippe Massari, Antoine Buemi, Badisse Dahamna, Elisabeth Serrot, Michel Joubert, Stéfan J. Darmoni**

- Indications Modeling and Coordination Challenges with SNOMED CT Implementation  
  **Cheryl Bunch, Catherine Lai, Toni Morrison, Danielle Przychodzin, Raecine Chaney**

- Inductive Inference of a SNOMED CT Subset for Intensive Care Services  
  **Jon Patrick, Yefeng Wang, Bahram Vazirnezhad, Alan Rector, Sebastian Garde, Jeremy Rogers, Robert Herkes, Angela Ryan**

- Inheritance of SNOMED CT Relations between Concepts by Two Health Terminologies (SNOMED International and ICD-10)  
  **Tayeb Merabti, Suzanne Pereira, Thierry Lecroq, Michel Joubert, Stefan Darmoni**

- LexValueSets: A Framework for Context-Driven Value Sets Extraction  
  **Jyotishman Pathak, Guoqian Jiang, Sridhar O. Dwarkanath, James D. Buntrock, Christopher G. Chute**

- Semantic Interoprability of Legacy eHealth Systems Using SNOMED  
  **Mohammad H. Yarmand, Kamran Sartipi**

- SNOMED Information Accessible to the Danish Community  
  **Ulrich Andersen, Bente Maegaard, Lina Henriksen, Anna Braasch, Lars Kayser**

- The Integration of SNOMED CT into the OpenMRS Electronic Medical Record System Framework  
  **Thomas Meyer, Chris Seebregts, Aurora Gerber, Arina Britz, Laurette Pretorius, Ronell Alberts, Deshen Moodley**
The Resource Impact of Supporting SNOMED CT Updates in a Clinical Decision Support System
Catherine Lai, Danielle Przychodzin, Cheryl Bunch, Toni Morrison, Raecine Chaney

Unification of Electronic Patient Data in a Commercial Health Information System through Multi-dimensional Semantic Annotation
Isabel Barth, Sven Tiffe, Evgueni Loukipoudis

Using SNOMED for Reference Hierarchies in the CPT Data Model
Marjorie Rallins, Eric Mays

Using SNOMED to Normalize and Aggregate Drug References in the SafetyWorks Observational Pharmacovigilance Project
Gary H. Merrill, Patrick B. Ryan, Jeffery L. Painter

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