Biomedical and Health Informatics Lecture Series

Tuesday, May 6, 2008
12:00 - 12:50 p.m., Room RR-134

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"Practical Solutions for Clinical Informatics Challenges Using Natural Language Processing"

This talk will consist of:

1) Brief overview of the potential uses of Natural Language Processing (NLP) in the Clinical Informatics domain;
2) Preliminary results of three proof of concept projects at the UW:
   a) Automating the medical problem list for the electronic medical record,
   b) Automated extraction of diagnoses from clinical trial announcements,
   c) Using NLP and Machine Learning for Acute Lung Injury classification (PI Colin R. Cooke)

Dr. Solti received his medical degree at the Albert Szent-Gyorgyi Medical University, Szeged, Hungary in 1992. While a medical student and for a brief period after graduation he worked as a molecular biologist. In 1996 he started the Ph. D. program in Health Services Research and Organization at the Department of Health Administration, Medical College of Virginia, Virginia Commonwealth University, Richmond. While at the VCU he became interested in computer programming and system administration. As an ABD he took a leave of absence from the doctoral program and worked one year as statistical programmer for the Department of Epidemiology at the Case Western Reserve University. In 1999 he joined a small Internet startup as a Linux system administrator and worked in various technology positions for the company for eight years. During this time he decided to merge his educational background, research orientation and interest in technology into one career. In 2006 he graduated from the doctoral program with a thesis focusing on the organizational aspects of Computerized Physician Order Entry adoption. He started his NLM postdoctoral fellowship in July 2007.

NOTE: **Podcasts from MEBI 590 Lecture Series talks from earlier this quarter are available at http://courses.washington.edu/mebi590/schedule.htm**

**Podcasts from Fall Quarter 2007 are available at
http://courses.washington.edu/mebi590/2007.Q4.Fall.htm**