



## 2008 NLP Shared Task

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### The Second i2b2 Workshop on Challenges in Natural Language Processing for Clinical Data

Washington, D.C., USA  
7-8 November 2008  
Schedule

The schedule is also available in [PDF format](#).

#### Friday, 7 November 2008

##### 8:00am - 8:30am

Breakfast

##### 8:30am – 10:00am

Opening: Announcement of Results  
*Ozlem Uzuner*

Natural Language Processing Framework to Assess Clinical Conditions  
*Henry Ware, Charles J. Mullett, V. Jagannathan*

Detecting Patients Suffering from Obesity and Common Comorbidities by Analyzing  
Narrative Clinical Text  
*Stéphane M. Meystre*

Term variation and semantics for Document Classification and Detection of Obesity and its  
Co-morbidities Cases  
*Natalia Grabar, Thierry Hamon, Thierry Dart*

##### 10:00am - 10:30am

Break

##### 10:30am – 12:00pm

Combining Lexical Profiling, Rules and Machine Learning for Disease Prediction from  
Hospital Discharge Summaries  
*Hui Yang, Irena Spasic, John A. Keane, Goran Nenadic*

Hands-on NLP: An Interactive and User-Centered System to Classify Discharge  
Summaries for Obesity and Related Co-morbidities  
*Jonathan P. DeShazo, Anne M. Turner*

Combining Rules and Naïve Bayes for Disease Classification  
*Mary Elaine Califf*

Learning High Precision Rules to Make Predictions of Morbidities in Discharge Summaries  
*Ted Pedersen*

##### 12:00pm - 1:30pm

Lunch

##### 1:30pm – 3:00pm

Error-Correcting Output Codes with Automatic Hot-Spot Filtering for Identifying Disease  
Comorbidity Status  
*Kyle H. Ambert, Aaron M. Cohen*

Description of the Lockheed Martin / SAGE Analytica System for the i2b2 Challenge in  
Natural Language Processing for Clinical Data  
*Lois C. Childs, Robert J. Taylor, Lone Simonsen, Norris H. Heintzelman, Kimberly M.  
Kowalski, Robert Enelow*

A Rule-Based Approach for Identifying Obesity and Its Co-Morbidities in Medical Discharge  
Summaries  
*Ninad Mishra, David Cummo, Jim Arnzen, Jason Bonander*

Regularized Logistic Regression for Clinical Record Processing  
*Leonid Peshkin, Carlos Cano, Bob Carpenter, Breck Baldwin*

##### 3:00pm - 3:30pm

Break

##### 3:30pm – 5:30pm

Bayesian Networks and the i2b2 Obesity Challenge  
*Michael P. Matthews*

Medical Language Processing for Patient Diagnosis Using Text Classification and Negation Labelling

*Brian Mac Namee, John D. Kelleher, Sarah Jane Delany*

A Baseline System for the i2b2 Obesity Challenge

*Henk Harkema, Heather Piwowar, Saeed Amizadeh, John Dowling, Jeffrey Ferraro, Peter Haug, Wendy Chapman*

Summary of the day

*Ozlem Uzuner*

#### 5:30pm - 7:00pm (Posters)

Representation and Classification Techniques for Clinical Data Focused on Obesity and its Co-morbidities

*Oana Frunza, Diana Inkpen*

Botero: a SVM Classifier for Clinical text in the Obesity Domain

*Mariana Neves, José-Maria Carazo, Alberto Pascual-Montano*

Handling Negation in Classification of Clinical Texts

*Jacinto Mata, Manuel J. Maña, José M. Bermúdez, Noa P. Cruz, Patricia Jiménez*

NLP Obesity Challenge: Using Clinical Markers for EHR Classification

*Bao-Quoc Ho, Øystein Nytre, Carl-Fredrik Bassoe*

An Introduction to MLP Driven by the i2b2 Challenge

*Neil Barrett, Jens Weber-Jahnke*

Identifying Obesity and Co-morbidities from Medical Records

*Rocio Guillen*

Classifying Narrative Patient Records without Any External Resources

*Kazuo Hara*

Using CuiTools to Identify Obesity and its Co-morbidities in Discharge Summaries

*Bridget T. McInnes*

#### Saturday, 8 November 2008

#### 7:00pm – 9:30pm

Opening

Simple Approaches to Disease Classification Based on Clinical Patient Records

*György Szarvas, Richárd Farkas, Attila Almási, Veronika Vincze, István Hegedűs, Róbert Busa-Fekete, Róbert Ormándi*

Context-Aware Rule Based Classifier for Semantic Classification of Diseases in Discharge Summaries

*Illés Solt, Domonkos Tikk, Viktor Gál, Zsolt T. Kardkovács*

A Brief Summary About the Approach and Explanation of the Attributes of the Developed System for i2b2 Challenge

*Jon Patrick, Pooyan Asgari*

The Mayo/MITRE System for Discovery of Obesity and Its Comorbidities

*Guergana Savova, Cheryl Clark, Jiaping Zheng, K. Bretonnel Cohen, Sean Murphy, Ben Wellner, David Harris, Marcia Lazo, John Aberdeen, Qian Hu, Christopher Chute, Lynette Hirschman*

Closing

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