NLP WG AMIA Pre-Symposium 2017

Program

Saturday Nov 4, 2017 (W08, Georgetown East, Washington Hilton Hotel)

8:30-8:35am	Welcome and introduction (Hongfang Liu, Mayo Clinic)
Graduate Students Consortium (chaired by Stephane Meystre)	
8:35-9:05am	Linking term association: ranking implicit terms in literature based discovery (Sam Henry, Virginia Commonwealth University)
9:05-9:35am	Natural language processing to extract the complex structural semantic network of canonical discourse information within the clinical note (David Chartash, Indiana University School of Medicine)
9:35-10:05am	Interactive natural language processing on clinical text (Gaurav Trivedi, University of Pittsburgh)
10:05-10:30am	Coffee break
10:30-11:00am	Learning logical forms for EHR questions using recurrent neural networks (Anusri Pampari, University of Illinois at Urbana Champaign)
11:00-11:30am	Dietary supplements information extraction from clinical notes (Yadan Fan, University of Minnesota)
11:30-12:00am	Building a shared knowledge engineering platform for NLP pipelines: addressing three barriers to clinical NLP (Kevin Peterson, University of Minnesota)
12:00-12:30pm	Consolidating cancer staging from multiple records within a central cancer registry using natural language processing and machine learning (Abdulrahman Aalabdulsalam, University of Utah)
12:30am-1:30pm	Lunch Break
Highlights and Poster Session (chaired by Hongfang Liu)	
1:30-1:50pm	Leveraging natural language processing to facilitate precision medicine (Feichen Shen, Mayo Clinic)
1:50-2:10pm	Psychiatric stressor recognition from clinical notes to reveal association with suicide (Yaoyun Zhang, School of Biomedical Informatics, UTH)
2:10-2:30pm	ICD-10 coding of death certificates in multiple languages: the CLEF eHealth 2016 and 2017 shared tasks (Aurelie Neveol, LIMSI, CNRS, Universite Paris-Saclay)
2:30-2:45pm	Posters: **a)** Construction of a food-specific sentiment keyword dictionary for machine classification of tweets (Bradley Iott, Tiffany Veinot, Daniel Romero, Xinyan Zhao, Jin Xiu Lu, Deahan Yu, Iris N. Gomez-Lopez, Vinod Vydiswaran, University of Michigan) **b)** Using text mining to identify risk of opioid medication abuse (Erin Tavano, David Milward; Linguamatics Ltd.) **c)** An architecture for automatic generation of computer interpretable guidelines (Daniel R. Schlegel, SUNY Oswego)
2:45-3:00pm	Coffee break
Hackathon (chaired by Sivaram Arabandi & Kavishwar Wagholikar - TBC)	
3:00-3:15pm	Provider: CLAMP-CANCER (Hua Xu, Ergin Soysal, Jingqi Wang)
3:15-3:30pm	Provider: ICD-10 Coding (Pierre Zweigenbaum, Thomas Lavergne)
3:30-4:30pm	Hackathon (Team)