

Workshop on Biomedical and Health Informatics (BHI)
 One & Half days: 11/13 and 11/14 (afternoon); Room: Washington Park 1
Workshop Chairs: Illhoi Yoo

Time	Title	Presenter/Author
9:15am	Welcome (Chair)	
9:20	<i>Geometrical mapping of diseases with calculated similarity measure</i>	Yuichi Yaguchi, Mai Omura, and Takashi Okumura
9:45	<i>Towards the design of a Secure and Compliant Framework for OpenEMR</i>	Subrata Acharya, Alexander Mak, and Yuehan Yin
10:00-10:20	Coffee Break	
10:20	<i>The Recommender System for a Cloud-Based Electronic Medical Record System for Regional Clinics and Health Centers in China</i>	Sunhao Hu, Lu Lu, Xinbin Jin, Yinyin Jiang, Haowen Zheng, Qiufan Xu, Fangfang Cai, Yu Meng, and Changjiang Zhang
10:35	<i>Identifying Articles Relevant to Drug-Drug Interaction: Addressing Class Imbalance</i>	Gongbo Zhang, Moumita Bhattacharya, Heng-Yi Wu, Pengyuan Li, Lang Li, and Hagit Shatkay
11:00	<i>Biomedical Analysis of HbA1c based on Microfluidic Chips</i>	Wenpeng Guo
11:15-1:30	Lunch (on your own)	
1:30	<i>Early Illness Recognition in Older Adults Using Transfer Learning</i>	Rayan Gargees, James Keller, and Mihail Popescu
1:55	<i>Ultra-Short-Term Analysis of Heart Rate Variability for Real-time Acute Pain Monitoring with Wearable Electronics</i>	Mingzhe Jiang, Riitta Mieronkoski, Amir M. Rahmani, Nora Hagelberg, Sanna Salanterä, and Pasi Liljeberg
2:20	<i>Fraise: A Framework for Predicting Peak Postprandial Blood Glucose using Personalized Data-Driven Modeling</i>	Eric Rozier
2:35	<i>Evaluation of Relational and NoSQL Approaches for Patient Cohort Identification from Heterogeneous Data Sources</i>	Ningzhou Zeng, GQ Zhang, Xiaojin Li, and Licong Cui
3:00	<i>Automated Adjustment of Crowdsourced Calorie Estimations for Accurate Food Image Logging</i>	Patrick McAllister, Anne Moorhead, Raymond Bond, and Huiru (Jane) Zheng
3:15	<i>Automated Clinical Diagnosis: The Role of Content in Various Sections of a Clinical Document</i>	Vivek Datla, Sadid A. Hasan, Ashequl Qadir, Kathy Lee, Yuan Ling, Joey Liu, and Oladimeji Farri
3:40-4:00pm	Coffee Break	
4:00	<i>Segmentation of Tumor and Edema Based on K-mean clustering and Hierarchical Centroid Shape Descriptor</i>	Ravi Shanker, Rahul Singh, and Mahua Bhattacharya
4:25	<i>Classification of breast tumors as benign and malignant using textural feature descriptor</i>	Mukta Sharma, Rahul Singh, and Mahua Bhattacharya
4:40	<i>Mammographic Image Segmentation by Marker Controlled Watershed Algorithm</i>	Arnab Chattaraj, Arpita Das, and Mahua Bhattacharya
Continued in the 11/14 afternoon		

Workshop on Biomedical and Health Informatics (BHI)
One & Half days: 11/13 and 11/14 (afternoon); Room: Garden Parlor 818

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Time	Title	Presenter/Author
1:50pm	<i>Functional Protein Networks Underlying the Comorbidity of Gout and Hyperuricemia</i>	Guang Zheng
2:15	<i>Supervised Approach to Rank Predicted Links using Interestingness Measures</i>	Murali Krishna Pusala, Ryan G Benton, Vijay V Raghavan, and Raju Gottumukkala
2:40	<i>Descriptor Based Protein Structure Representation using Triangular Spatial Relationships in 3-D</i>	Sumi Singh, Vijay Raghavan, and Wu Xu
2:55	<i>A Statistics and UMLS-based Tool for Assisted Semantic Annotation of Brazilian Clinical Documents</i>	Lucas Emanuel Silva e Oliveira, Caroline Pilatti Gebelucá, Adalniza Moura Pucca da Silva, Sadid Al Hasan, Oladimeji Farri, and Claudia Maria Cabral Moro
3:20	<i>Deep Convolutional Triplet Network for Quantitative Medical Image Analysis with Comparative Case Study of Gamma Image Classification</i>	Phawis Thammason, Landon Wootton, Eric Ford, Wanpracha A. Chaovalitwong, and Matthew Nyflot
3:40-4:00	Coffee Break	
4:00	<i>Designing a Low-Cost Adaptable and Personalized Remote Patient Monitoring System</i>	Eva Lee, Yuanbo Wang, Robert Davis, and Brent Egan
4:30	<i>Inpatient Bed Management to Improve Care Delivery</i>	Eva Lee, Andriy Shapoval, and Zixing Wang
5:00	<i>A Weighted Similarity Measure Approach to Predict Intensive Care Unit Transfers</i>	Aditya Patel, Izzatbir Singh, Landon Brand, and Roheet Rao
5:25	<i>A Semantic Knowledge-Base Approach to Drug-Drug Interaction Discovery</i>	Ignacio Tripodi, Kevin Cohen, and Lawrence Hunter
5:40	Closing Remarks	