Day 3: July 30, 2020

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<th>Hour (GMT-4)</th>
<th>Event</th>
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<tr>
<td>8:00-9:00</td>
<td>Keynote address <em>(Bradley J Erickson)</em></td>
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<tr>
<td>9:00-9:30</td>
<td>Presentation booster</td>
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<td>9:30-9:45</td>
<td>Break</td>
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<tr>
<td>9:45-10:45</td>
<td>Session 1</td>
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<td>11:00-12:00</td>
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<td>14:15-14:45</td>
<td>Award ceremony &amp; closing</td>
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<td>14:45-15:45</td>
<td>Networking</td>
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**Session 1**  
**Data Analysis and Knowledge Discovery**

- 88 Creating a metamodel based on machine learning to identify the sentiment of vaccine and disease-related messages in Twitter: the MAVIS study
- 170 On using meta-features to learn under class skew in biomedical domains
Utilizing Oncology-Related Social Media Content to Model Information-Seeking Behaviors towards a Model of Shared Decision Making

Multi-language Concept Normalisation of Clinical Cohorts

Database, App, and Management Systems

Improving Data Quality in Medical Research: A Monitoring Architecture for Clinical and Translational Data Warehouses

Mobile-Augmented Smart Queue Management System for Hospitals

Mobile Health App Database - A Repository for Quality Ratings of mHealth Apps

The Benefits of Graph Databases for the Computation of Clinical Quality Measures

ST 3: Technological and Data-Driven Innovations in Cancer Care

Transfer Learning and Fine Tuning in Mammogram BI-RADS Classification

Nanodevices Based on Quantum Mechanics and Classical Electrodynamics as Vascular Endothelial Growth Blockers to Detain Angiogenesis

Radiomics-based non-invasive lymph node metastases prediction in breast cancer

Data Analysis and Knowledge Discovery

Enhancing Recall Using Data Cleaning for Biomedical Big Data

Intrinsic and Extrinsic Evaluation of the Quality of Biomedical Embeddings in Different Languages

Time-window SIQR analysis of COVID-19 outbreak and containment measures in Italy

Session 2 Decision Support and Recommendation Systems
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A Recommender System to Help Discovering Cohorts in Rare Diseases
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MATURE: Recommender System for MAndatory FeaTURE choices
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Identification of Temporal Changes on Patients at Risk of LONS with TPRMine: A Case Study in NICU
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Enrich Rare Disease Phenotypic Characterizations via a Graph Convolutional Network based Recommendation System
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Session 2 Telemedicine Systems
Obstructive Sleep Apnea compliance: modeling home care patient profiles
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Towards The Use of Smart Home Sensor Networks to Generate Predictive Activity Models
22
The OCARIoT Data Acquisition App
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Session 3 ST1: Privacy, Security & Informed Consent in Healthcare
Using PAPAYA in eHealth - Use Case Analysis and Requirements
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Wearable Devices and Measurement Data: An Empirical Study on eHealth and Data Sharing
87
Protecting Electronic Health Records in Transit and at Rest
24
Converting Clinical Pathways to BPM+ Standards: A Case Study in Stable Ischemic Heart Disease
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Session 3 ST 2: Deep Learning Applications in Medical Care
Inter-center cross-validation and finetuning without patient data sharing for predicting transcatheter aortic
valve implantation outcomes

28 Augmentation techniques for sequential clinical data to improve Deep Learning prediction techniques
179 An approach to BI-RADS uncertainty levels classification via deep learning with transfer learning technique

Session 3  Data Analysis and Knowledge Discovery
184 Evaluation of Real-Time Remote 3D Rendering of Medical Images using GPUs
  5 Fall Detection in Clinical Notes using Language Models and Token Classifier
149 Mining disproportional frequent arrangements of event intervals for investigating adverse drug events
159 Clinical Predictive Keyboard using Statistical and Neural Language Modeling