

- 16:30-16:45 WePM\_Poster\_T4.6  
**For Children's Sleep Assessment: Can we Trace the Change of Sleep Depth based on ECG Data Measured at Their Respective Home with a Wearable Device?**  
 Shirouzu, Shigenori\* (Japanese Research Institute of Healthcare and Education); Takahashi, Toshiharu (Hosei University); Sugano, Hlsanobu (University of Occupational and Environment); Seno, Yumeka (Nazareth Kindergarten); Tobioka, Ken (Institute of Man and Science); Sasaki, Mitsuo (Ota Memorial Sleep Center); Yagi, Tomoko (Ota Memorial Sleep Center)
- 16:30-16:45 WePM\_Poster\_T4.7  
**Capacitively Coupled ECG Sensor using a Single Electrode with Adaptive Power-Line Noise Cancellation**  
 Kawamoto, Yuta\* (Kobe University); Izumi, Shintaro (Kobe University); Tanaka, Yoshito (Kobe University); Kawaguchi, Hiroshi (Kobe University); Yoshimoto, Masahiko (Kobe University)
- WePM\_Poster\_T5: 16:30-16:45 Paloverde A&B  
**Theoretical Informatics Poster Session** (Poster Session)
- 16:30-16:45 WePM\_Poster\_T5.2  
**A Comparison of Feature Selection Methods for Machine Learning based Automatic Malarial Cell Recognition in Wholeslide Images**  
 Muralidharan, Vishnu (University of Alabama in Huntsville); Dong, Yuhang (University of Alabama in Huntsville); Pan, W. David\* (University of Alabama in Huntsville)
- 16:30-16:45 WePM\_Poster\_T5.3  
**Facial Expressions and Flat Affect in Schizophrenia, Automatic Analysis from Depth Camera Data**  
 Tron, Talia\* (Hebrew University of Jerusalem, ELSC); Peled, Abraham (Technion); Weinshall, Daphna (Hebrew University of Jerusalem); Grinshpoon, Alexander (Sha'ar Menashe Mental Health Center, Sha'ar Menashe, Rappaport)
- 16:30-16:45 WePM\_Poster\_T5.4  
**An Interactive Tool for ROI Extraction and Compression on Whole Slide Images**  
 Dong, Yuhang (University of Alabama in Huntsville); Shen, Hongda (University of Alabama in Huntsville); Pan, W. David\* (University of Alabama in Huntsville)
- 16:30-16:45 WePM\_Poster\_T5.5  
**EEG Feature Selection and the use of Lyapunov Exponents for EEG-Based Biometrics**  
 Kang, Jae-Hwan (Ulsan National Institute of Science and Technology); Lee, Chunggho (Ulsan National Institute of Science and Technology); Kim, Sung-Phil\* (Ulsan National Institute of Science and Technology)
- 16:30-16:45 WePM\_Poster\_T5.6  
**False Arrhythmia Alarm Reduction in the Intensive Care Unit using Data Fusion and Machine Learning**  
 Zhang, Qiang\* (University of Chinese Academy of Sciences)
- 16:30-16:45 WePM\_Poster\_T5.7  
**From Descriptive to Diagnostic Analytics for Assessing Data Quality: An Application to Temporal Data Elements in Electronic Health Records**  
 Deng, Xiaodong (National University of Singapore); Wee, Hwee Lin (National University of Singapore); Tai, E Shyong (Division of Endocrinology, National University Health System); Khoo, Yin Hao Eric (National University Health System); Salloway, Mark Kevin (National University of Singapore); Tan, Chuen Seng\* (National University of Singapore)
- 16:30-16:45 WePM\_Poster\_T5.9  
**Predicting High Cost Patients with Type 2 Diabetes Mellitus using Hospital Databases in a Multi-Ethnic Asian Population**  
 Tan, Chuen Seng (National Univ. of Singapore); Deng, Xiaodong (National Univ. of Singapore); Tai, E Shyong (Division of Endocrinology, National Univ. Health System); Khoo, Yin Hao Eric (National Univ. Health System); Toh, Ee Shiow (National Univ. Health System); Salloway, Mark Kevin (National Univ. of Singapore); Koh, Thuan Wee (Frontier Family Medicine Clinic, Frontier Healthcare Group Pte L); Wee, Thomas (National Univ. Health System); Wee, Hwee Lin\* (National Univ. of Singapore)
- 16:30-16:45 WePM\_Poster\_T5.10  
**Extending the IEEE 11073-1010X Nomenclature for the Modelling of Surgical Devices**  
 Andersen, Björn\* (Universität zu Lübeck); Kasparick, Martin (University of Rostock); Golatowski, Frank (University of Rostock); Ingenerf, Josef (Universität zu Lübeck)
- 16:30-16:45 WePM\_Poster\_T5.11  
**Network Analysis with PubChem BioAssay: Preliminary Study on Drug Abuse**  
 Weijian, Qin (University of Maryland Baltimore County); Zhu, Qian\* (University of Maryland Baltimore County)
- WePM\_Poster\_T6: 16:30-16:45 Paloverde A&B  
**Late Breaking Posters** (Poster Session)
- 16:30-16:45 WePM\_Poster\_T6.1  
**Dynamic Time Warping for Heart-Rate-Independent Timing of Cardiac Phases**  
 Wick, Carson\* (Georgia Institute of Technology); Yao, Jingting (Georgia Institute of Technology); Bhatti, Pamela (Georgia Institute of Technology); Inan, Omer (Georgia Institute of Technology); Tridandapani, Srini (Emory University)
- 16:30-16:45 WePM\_Poster\_T6.2  
**Transcranial Magnetic Stimulation Coil Positioning – A Computational Study**  
 Kim, Donghyeon (Gwangju Institute of Science and Technology); Jun, Sung Chan\* (Gwangju Institute of Science and Technology)
- 16:30-16:45 WePM\_Poster\_T6.3  
**Computerized Behavioral Modification Framework for Improving Patient's Adherence to Diabetes Self-Management Plans**  
 Abidi, Samina Raza (Dalhousie University); Michael Vallis, Michael Vallis (Dalhousie University); Piccinini-Vallis, Helena (Dalhousie University); Imran, Syed Ali (Dalhousie University); Abidi, Syed Sibte Raza\* (Dalhousie University)
- 16:30-16:45 WePM\_Poster\_T6.4  
**SESE: Inferring Disease-Gene Relationships using Second Sentence in Biological Literature**  
 Kim, Jeongwoo (Yonsei University); Bak, Charmdoh (Yonsei University); Kim, Inseop (Yonsei University); Kim, Seoyoung (Yonsei University); Cha, Junbum (Yonsei University); Park, Sanghyun\* (Yonsei University)
- 16:30-16:45 WePM\_Poster\_T6.5  
**Perception of Voice Recongition for Radiology Reporting: Case Study from Saudia Arabia**  
 Alarifi, Mohammad\* (IUPUI); Purkayastha, Saptarshi (Indiana Univ. Purdue Univ. Indianapolis); Jones, Josette (Indiana Univ. – Purdue Univ. Indianapolis); Aldosary, Abdullah (King Fahd Medical City); Gichoya, Judy (Indiana Univ.)
- 16:30-16:45 WePM\_Poster\_T6.6  
**Information Reign from the Cloud: A Time Critical Cloud-Based Decision Support System Operating on De-Identified Data**  
 Gross, Brian\* (Philips Healthcare); Kathirvel, Raja (Philips Healthcare); Issac, Eldo (Philips Healthcare)