2016 IEEE Healthcare Innovation Point-Of-Care Technologies Conference (HI-POCT 2016)

Cancun, Mexico
9-11 November 2016
## Program in Chronological Order

(Copyrighted Papers)

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Shirouzu, Shigenori* Japanese Research Institute of Healthcare and Education; Seno, Yumeka Nazreth Kindergarten; Yagi, Tomoko Ota Memorial Sleep Center; Sasaki, Mitsuo Ota Memorial Sleep Center; Takahashi, Toshiharu Hosei University; Sugano, Hisanobu Emeritus professor of University of Occupational and Environment
### HI-POCT Poster Session and POC Technologies Demonstrations (Poster Session)

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<td>Poigai Arunachalam, Shivaram* Mayo Clinic; Kapa, Suraj Mayo Clinic; Mulpuru, Siva Mayo Clinic; Friedman, Paul Mayo Clinic; Tolkacheva, Elena University of Minnesota</td>
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Obahiagbon, Uwadiae Arizona State University; Kullman, Dixie Arizona State University; Smith, Joseph Arizona State University; Katchman, Benjamin Arizona State University; Anderson, Karen S. Arizona State University; Blain Christen, Jennifer* Arizona State University

Dynamic Remote Control through Service Orchestration of Point-of-Care and Surgical Devices based on IEEE 11073 SDC

Kasparick, Martin* University of Rostock; Schmitz, Malte Institute for Software Engineering and Programming Languages, Un; Golatowski, Frank University of Rostock; Timmermann, Dirk University of Rostock

The Lab-on-PCB Framework for Affordable, Electronic-Based Point-of-Care Diagnostics: From Design to Manufacturing

Vasilakis, Nikolaos* University of Southampton; Papadimitriou, Konstantinos University of Southampton; Evans, Daniel University of Southampton; Morgan, Hywel University of Southampton; Prodromakis, Themis Nano, ECS, University of Southampton

Bionsensors and POCT in Rehabilitation (Oral Session)

Chair: Chon, Ki University of Connecticut

CryoPen, a Gasless Cryotherapy System Adapted for Low-Resource Settings

Cremer, Miriam* Cleveland Clinic; Garai, Jillian Basic Health International; Taxa, Luis National Institute of Neoplastic Diseases; Felix, Juan University of Southern California; Alfaro, Karla Basic Health International; Haas, Michael CryoPen, Inc.; Zevallos, Albert National Institute of Neoplastic Diseases; Salinas, Manuel Salvadoran Social Security Institute

Autonomously Sensing Loneliness and Its Interactions with Personality Traits using Smartphones

Pulekar, Gauri Worcester Polytechnic Inst; Agu, Emmanuel* Worcester Polytechnic Institute

Facial Nerve Stimulation in Healthy Human Subjects

Garcia, Andrea Universidad Autónoma Metropolitana-Iztapalapa; Castro-Prado, Fernando Hospital Central Norte PEMEX; Perez, Miriam Universidad Autonoma Metropolitana; Lara, Rafael Universidad Autonoma Metropolitana; Sanchez, Olivia Universidad Autonoma Metropolitana; Ramirez, Martin Universidad Autonoma Metropolitana; Godinez, Montserrat Innovamedica S.A. de C.V.; Coco, Michael L NeuroSpring, Inc; Azpíroz-Leehan, Joaquin Universidad Autonoma Metropolitana; Borsody, Mark* Nervive, Inc.; Sacristán, Emilio Universidad Autónoma Metropolitana

An Intelligent System to Assist the Diagnosis of Epilepsy Disorder in Children: A Case of Study

Singh-Múgica, Sunaina Instituto Politécnico Nacional, UPIITA; Tovar, Blanca UPIITA-IPN; Silva-Ramirez, Martin Arturo Unidad Médica de Alta Especialidad (UMAE) Hospital General Centr; Garay-Jíménez, Laura-Ivoone* Instituto Politécnico Nacional, UPIITA

Evaluation of QoS in Data Mobile Network for Vital Signs Transmission

Chandy, David Universidad Politécnica Salesiana; Soto, Angel Universidad Politécnica Salesiana; Huerta, Mónica* Simon Bolivar University; Bermeo, Juan Pablo Universidad Politécnica Salesian; Clotet, Roger Simón Bolivar University; Sagbay, Giovanni Universidad Politécnica Salesiana; Avila, Rene Universidad Politécnica Salesiana

Interactive Video Exercise Tele-Rehabilitation (IVET) for Stroke Care in Jamaica

Macko, Richard University of Maryland School of Medicine; Forrester, Terrence University of West Indies; Francis, Patrice University of West Indies; Nelson, Gail University of West Indies; Hafer-Macko, Charlene University of Maryland, Baltimore; Roy, Anindo* University of Maryland Baltimore
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Smith, Joseph* Arizona State University; Obahigbon, Uwadiar. Arizona State University; Ewaisha, Radwa Arizona State University; Katchman, Benjamin Arizona State University; Kaftanoglu, Korhan Arizona State University; Arafa, Hany Arizona State University; Kullman, Dixie Arizona State University; Anderson, Karen S. Arizona State University; Blain Cristhen, Jennifer* Arizona State University

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Hadjigeorgiou, Katerina University of Cyprus; Kastanos, Evdokia University of Nicosia; Pitris, Costas* University of Cyprus

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Jonnalagedda, Saisri Padmaja, Padmaja University of California, San Diego; Deng, Fei University of California, San Diego; Douglas, Kyle UCSB; Chukoskie, Leanne University of California, San Diego; Yip, Michael Yip University of California, San Diego; Ng, Tse Ng UCSD; Nguyen, Truong University of California, San Diego; Skalsky, Andrew Rady Children’s Hospital; Garudadri, Harinath* University of California, San Diego

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Wahane, Varsha* Terna Engineering College, Nerul, Navi Mumbai; Ingle, Dr. P.V G.H. Raisoni College of Engineering and Management, Anjangaon, Ba

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Ghosh, Shrimanti University of Alberta, Canada; Banerjee, Ankur University of Alberta; Ray, Nilanjan University of Alberta; Wood, Peter William University of Alberta; Boulanger, Pierre* University of Alberta; Padwal, Raj University of Alberta
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