ICDH 2021 ABOUT TECHNICAL PROGRAM SPEAKERS PANELS STUDENT GRANTS & AWARDS CALL FOR PAPERS

ORGANIZING COMMITTEE

IEEE ICDH 2021 - TECHNICAL PROGRAM

ICDH TECHNICAL PROGRAM

Conference code: CHD

All times are listed in UTC time. To convert UTC time to your time, use the UTC Time Zone Converter.

Date	Time	Session Chair	Presentation
Mon	15:00 - 16:20 pm	Farhana	CHD_REG_3
9/6	UTC	Zulkernine	Architecture of an Intelligent Personal Health Library fo
		Queen's	Improved Health Outcomes
	CDH 1	University	Hasan Jamil
	Regular Papers		
			CHD_REG_24
			Lung Cancer Prediction using Curriculum Learning base
			Deep Neural Networks
			Jackson Zhou, Matloob Khushi, Mohammad Ali Moni, Sh
			Uddin and Simon Poon

			WENO	
ICDH 20	021 ABOUT TECHNICAL IZING COMMITTEE	PROGRAM SPEAKERS	CDH_REG_27 RS GPAdMg Diabetic Rethnopathly Severity Using Philage P and Ensembled Convolution Neural Networks Andrew Lee, Matloob Khushi, Patrick Hao, Shahadat I and Simon Poon	
Mon 9/6	16:30 - 17:50 pm UTC CDH 2	Hasan Jamil University of Idaho	CDH_REG_28 Risk and Compliance in IoT-Health Data Propagation : A Security-Aware Provenance based Approach Fariha Tasmin Jaigirdar, Carsten Rudolph and Chris Bair	
	Regular Papers		CDH_REG_36 Secure Cloud EHR with Semantic Access Control, Search Encryption and Attribute Revocation Redwan Walid, Karuna Joshi and Seung Geol Choi	
Mon 9/6	18:10 - 19:30 pm UTC CDH 3 Regular Papers	Carson Leung University of Manitoba	CDH_REG_37 BIOCAD: Bio-inspired Optimization for Classification and Anomaly Detection in Digital Healthcare Systems Nur Imtiazul Haque, Alvi Ataur Khalil, Mohammad Rahm Hadi Amini and Sheikh Iqbal Ahamed	
			CDH_REG_45 Do You Brush Your Teeth Properly? An Off-body Sensor-Approach for Toothbrushing Monitoring. Zawar Hussain, David Waterworth, Murtadha Aldeer, We Emma Zhang, Quan Z Sheng and Jorge Ortiz	
			CDH_REG_48 A Digital Health System for Disease Analytics Carson Leung	
Mon 9/6	19:40 - 21:00 pm UTC DCH 4	Mohammad Rahman Florida International	CDH_REG_49 Passive COVID-19 Assessment using Machine Learning of Physiological and Activity Data from Low End Wearables Atifa Sarwar and Emmanuel Agu	
	Regular Papers	University	CDH_REG_50 An IoT System for Autonomous, Continuous, Real-Time Monitoring and Its Application to Pressure Injury	

Management

Sam Mansfield, Eric Vin and Katia Obraczka

ICDH 20 ORGANI	21 ABOUT TECHNICAL F	PROGRAM SPEAKERS	CDH_REG_61 EXploring Relationships between CerebraPand Peripher Biosignals with Neural Networks Alexander Hatteland, Ričards Marcinkevičs, Thomas Fric Ilona Hubbard, Julia E. Vogt, Renaud Marquis, Thomas Brunschwiler and Philippe Ryvlin
Tues 9/7	1:00 - 2:20 am UTC CDH 5 Regular Papers	Emmanuel Agu Worcester Polytechnic	CDH_REG_63 Deep Learning Anomaly Detection methods to passively detect COVID-19 from Audio Shreesha Narasimha Murthy and Emmanuel Agu
		University	CDH_REG_64 Smartphone TBI Sensing using Deep Embedded Clusteri and Extreme Boosted Outlier Detection Srinarayan Srikanthan, Florina Asani, Bhoomi Kalpesh P and Emmanuel Agu
			CDH_REG_69 Remote Photoplethysmography Heart Rate Variability Detection Using Signal to Noise Ratio Bandpass Filtering Lin He, Kazi Shafiul Alam, Jiachen Ma, Eric Burkholder, V Cheng Chung Chu, Anik Iqbal and Sheikh Iqbal Ahamed
Tues 9/7	2:30 - 3:50 am UTC CDH 6 Short Papers	Richie Oyeleke Stevens Institute of Technology	CDH_SHT_6 Preictal onset detection through unsupervised clusterin epileptic seizure prediction Alessio Quercia, Thomas Frick, Fabian Egli, Nick Pullen, Isabelle Dupanloup, Jianbin Tang, Umar Asif, Stefan Har and Thomas Brunschwiler
			CDH_SHT_16 Physical Exercise Recommendation and Success Predict Using Interconnected Recurrent Neural Networks Arash Mahyari and Peter Pirolli
			CDH_SHT_26 Putting Process (BPMN) and Decision (DMN) Models to \ a Pediatric Surgery Case Study Anna Maria Bianchi, Matteo Mortari, Claudio Pintavalle Giuseppe Pozzi

Tues 4:10 - 5:30 am UTC Giuseppe De 1907 2021 ABOUT TECHNICAL PROPRETION SPEAKER CDH 7 CNR ORGANIZING COMMUTTEE			CDH_SHT_30 S MrdNetāskSEdāfningrBasēd on Malti-type Datasetfor Ret Abnormality Detection Linna Zhao, Jianqiang Li, Zerui Ma, Yu Guan, Xi Xu, Li Zh and Li Li		
			CDH_SHT_31 Engineering Continuous Monitoring of Intrinsic Capacity Elderly People Valerio Bellandi, Ioannis Basdekis, Paolo Ceravolo, Matt Cesari, Ernesto Damiani, Eleftheria Iliadou, Mircea Marz and Samira Maghool		
			CDH_SHT_33 An Adaptable LSTM Network Predicting COVID-19 Occur Using Time Series Data Anthony Li and Nikhil Yadav		
			CDH_SHT_34 A Novel Pre-processing Method for Classification Proble Medical Intelligent Tasks* Haochen Jiang, Ziqi Wei and Jun Chen		
Tues 9/7	18:50 - 19:30 pm UTC CHD 8 Distingushed Talk	Sheikh Iqbal Ahamed Marquette University	Wendy Nilson, National Science Foundation The Future of Smart Health in the Wake of a Pandemic		
Tues 9/7	19:30 - 20:10 pm UTC Panel Discussion The Future of Digital Health: Vision & Challenges	Sheikh Iqbal Ahamed Marquette University	Sheikh Iqbal Ahamed, Marquette University Wendy Nilson, NSF Kathy Chang, The University of New Mexico Ajay Royyuru, IBM Santosh Kumar, The University of Memphis		
Tues 9/7	20:20 - 21:40 pm UTC	Maria Valero Kennesaw State University	CDH_SHT_42 Finding Similar Tweets in Health Related Topics Danny Villanueva and Manuel Rodriguez		

C	D	\vdash	S	H	Η.	Τ	5	5

ICDH 2021 ABOUT TECHNICAL PROGRAM SPEAKERS

ORGANIZING COMMITTEE

SPEAKERS PYDPLib: Python Differential Manager for Papivate Medical Data Analytics

Sana Imtiaz, Philipp Matthies, Francisco Pinto, Máté Ma Holger Wenz, Ramin Sadre and Vladimir Vlassov

CDH_SHT_62

COVID-19 Mortality Prediction Using Machine Learning Techniques

Lindsay Schirato, Kennedy Makina, Dwayne Flanders, Seyedamin Pouriyeh and Hossain Shahriar

CDH SHT 68

A decision support system for rehabilitation Mauro Maria Baldi, Bruno Giovanni Galuzzi, Fabrizia Mantovani, Petar Aleksandov Mavrodiev, Enza Messina Olivia Realdon

Wed 9/8 1:00 - 2:20 am UTC

CDH 10 Work-in-Progress Shahrear Iqbal National Research

Council, Canada CDH WIP 17

A Software Simulator for Optimizing Ambulance Locatio Response Time: A Preliminary Report David La Barbera, Kevin Roitero, Stefano Mizzaro, Vince

Della Mea and Francesca Valent

CDH_WIP_18

A Framework for Secure Logging in Precision Healthcare Cloud-based Services

Shahrear Iqbal, Parisa Moghaddam and Issa Traore

CDH_WIP_32

A Wireless Single Lead ECG Module for Cloud-Computin Based Postoperative Monitoring of Cardiac Surgical Pat Ravi Durbha and Valencia Koomson

CDH_WIP_43

Deep Learning-based Prediction of Cognitive Function L Basic Blood Test Data and NIRS-measured Cerebral Hemodynamics

Katsunori Oyama and Kaoru Sakatani

TEEE	CONFERENCES		MENU
Wed 1978 202 ORGANIZ	2:30 - 3:50 am UTC 1 ABOUT TECHNICAL PI CDH 11 ING COMMITTEE Panel Discussion Biomedical Sciences	Li-Shan Chou R ¶ 6 ஸ் a MSt க te AKERS University	Panel Discussion: Advances in Biomedical Sciences & Engineering For Digital Health tape Call For Papers Panelists: Fong-Chin Su, National Cheng Kung University Tishya Wren, Children's Hospital Los Angeles; Universit Southern California Rick Greenwald, Simbex; iWalk; National Institute for Specience & Safety; Dartmouth College Joe Bonner, NIH Yoshiyuki Kobayashi, National Institute of Advanced Incescience & Technology
Wed 9/8	4:10 - 5:30 am UTC CDH 12 Work-in-Progress	Lin Liu Tsinghua University	CDH_WIP_52 An ABAC Break-Glass to access medical records in case emergency based on Blockchain Yoshiyuki Kobayashi, Richard Greenwald CDH_WIP_56 A Machine Learning Approach to Predict Length of Stay Opioid Overdose Admitted Patients Jiawei Wu, Priyanka Annapureddy, Zach Farahany and F Madiraju
			CDH_WIP_57 A Portable Microfluidic Immuno-biochip Platform for O Cancer Biomarker Detection Hua En Chueh
			CDH_WIP_70 Non-Invasive Monitoring of Human Hygiene using Vibra Sensor and Classifiers Shashank Trivedi, Maria Valero, Hossain Shahriar and L Zhao
			CDU WID 71

CDH_WIP_71

Framework for Collecting Data from specialized IoT dev An application to enhance Healthcare Systems Md Saiful Islam, Shahriar Sobhan, Maria Valero, Hossair Shahriar, Liang Zhao and Sheikh Iqbal Ahamed

Wed 5:40 - 7:00 am UTC William Chu 1978 2021 ABOUT TECHNICAL PROTEING hais PEAKERS CDH 13 University ORGANIZING CEMPAPErs			CDH_INV_1 AnAmvestigatល់កា បទ Conteainment Measure Implementati Public Responses to the COVID-19 Pandemic in Mainlan China Ji Liu, Haoyi Xiong, Xiakai Wang, Jizhou Huang, Qiaojun I Tongtong Huang, Siyu Huang, Haifeng Wang and Dejing		
			CDH_INV_4 Intelligent Health Information Services Requirements Revisited from an Actor Perspective Zhangqiang Cao and Jianmin Wang		
			CDH_INV_29 Enabling Tiered and Coordinated Services in a Health Community of Primary Care Facilities and County Hospi Based on HL7 FHIR Jingwen Nan, Li-Qun Xu, Qingsong Wang, Changyu Bu, Ji Ma and Feng Qiao		
Wed 9/8	16:30 - 17:50 pm UTC CDH 14	Sheikh Iqbal Ahamed Marquette University	Dana Wolff-Hughes Leveraging Digital Technologies for Population Surveilla Opportunities And Challenges		
	Distinguished Talk				
Wed 9/8	19:40 - 21:00 pm UTC CDH 15 Invited Papers	Farhana Zulkernine Queen's University	CDH_INV_38 Knowledge Graph Building from Real-world Multi-source "Dirty" Clinical Electronic Medical Records for Intelligen Consultation Applications Xinlong Liu and Li-Qun Xu		
			CDH_INV_58 Clinical de-identification using sub-document analysis a ELECTRA Rosario Catelli, Francesco Gargiulo, Emanuele Damiano, Massimo Esposito and Giuseppe De Pietro		

ICDH 20	021 ABOUT TECHNICAL I	PROGRAM SPEAKER	CDH_INV_66 RS WMth-Osabhity Assessment for Digital-Therapeutics and Patient Support Programs? Mario Bochicchio, Lucia Vaira, Andrea Mortara and Renamenta	
Thu 9/9	1:00 - 2:20 am UTC CDH 16 Panel Discussion Education for Digital Health	Lin Liu Tsinghua University	Sheikh Iqbal Ahamed, Marquette University Carl Chang, Iowa State University Giuseppe De Pietro, CNR Benjamin Kwan, Queen's University Sweta Sneha, Kennesaw State University	
Thu 9/9	2:30 - 3:50 am UTC CDH 17 Invited Papers Session 3	Hossain Shahriar Kennesaw State University	CDH_INV_67 Analyzing Security and Privacy Concerns of Contact Trace Applications Lorna Migiro, Hossain Shahriar and Sweta Sneha CDH_INV_72 A Statistical Summary Analysis of Window-Based Extrace Features for EEG Signal Classification Mohammad Masum, Hossain Shahriar, Hisham Haddad Wenzhan Song	
			CDH_INV_73 Towards Blockchain-based Secure Data Management fo Remote Patient Monitoring Jobair Hossain, Hossain Shahriar, Maria Valero, Sweta S Sheikh Ahamed and Mohammad Rahman	
Thu 9/9	18:10 - 19:20 pm UTC CDH 18 Invited Papers	Li-Shan Chou Iowa State University	CDH_INV_74 A Novel Telemedicine System to Traditional Tongue Examination for Chinese Medical Applications Lisa Li-Chuan Chen, Shen-Kai Wang, Tse-Yu Lin, Ling-Fer Huang, Men-Tzung Lo and Chien-Chang Chen	
	Session 4		CDH_INV_75 Use of Musculoskeletal Modeling to Examine Lower Lim Muscle Contribution to Gait Balance Control: Effects of Overweight	

Hyun Kyung Kim and Li-Shan Chou

CDH_INV_76

Thu	19:40 - 21:00 pm	Rajesh	Panelists
9/9	UTC	Subramanyan	Khan Siddiqui, Hyperfine
		Amazon	Ashutosh Banerjee, GE Healthcare
	CDH 19		Rhonda Rhyne, Prevencio, Inc
			Srinivasan Krishnan, Greenway Health
	Panel Discussion How 2020 Changed the Future of Digital Health		Hiroki Takakura, Nagoya University
Fri	1:00 - 2:20 am UTC	Zeno Franco	Panelists
9/10		Medical	Maria Valero, Kennesaw State University
	CDH 20	College of	Hyunkyoung Oh, University of Wisconsin-Milwaukee
		Wisconsin	Farhana Zulkernine, Queen's University
	Panel Discussion		
	Digital Health		
	Priorities		
Fri	2:30 - 3:50 am UTC	Lin Liu	WiFi-based Contactless Human Sensing: Theory and
9/10		Tsinghua	Healthcare Applications
	CDH 21	University	Daqing Zhang, Peking University
	Distinguished Talks		From Personalized Medicine to Population Health: an m
			Sensing Approach
			Haoyi Xiong, Big Data Laboratory, Baidu Research

IEEE SERVICES 2021

Home

IEEE 2021 CONFERENCES

IEEE CLOUD 2021

News IEEE EDGE 2021

HISLUIY IEEE ICVV3 ZUZ I

Previous Proceedings
ICDH 2021 PROGRAM SPEAKERS PANELS STUDENT GRANTS & AWARDS CALL FOR PAPERS
Organizing Committee IEEE SMDS 2021

ORGANIZING COMMITTEE

© IEEE 2021 IEEE PRIVACY POLICY