

8th ICIEV – 3rd IVPR – ABC 2019 @Eastern Washington University

<http://cennser.org/ICIEV>

FINAL Program

Rooms on Day3 are different than Day2!

Day2 (31st May): Room1 – 111, Room2 – 117, Room3 – 118

Day3 (1st June): Room1 – 225, Room2 – 226, Room3 – 228

WiFi: On campus guest WiFi: SSID: Campus Visitor (or alike) | USER: ieee@wsu.edu | PASS: 643771

EWU & WSU are participating in eduroam, too. <https://www.eduroam.org/>

Day 1: 30st May (Thursday)

Location	Begin	End	Name of the Event
	14:00	17:00	Registration and Kit Collection
SEWC#226	14:00	16:00	<i>Workshop 1: Workshop on Information Technologies for Kestenberg Movement Profile Analysis: An Early Stage Developmental Disorder Detection Case</i> Yukari Sakiyama, Mukogawa Women's University; Haruhiko Takase & Hiroharu Kawanaka, Mie University
Auditorium Foyer	17:00	19:00	Welcome Reception & Dinner
SEWC#122 (Auditorium)	18:00	21:00	<i>Workshop 2: Data Visualization Happy Hour: An "Open House" Tutorial Workshop</i> Elizabeth Tipton, DSCI Professor, Eastern Washington University

Day 2: 31st May (Friday)

Location	Begin	End	Paper Title with ID / Event Details
	8:00	8:50	Breakfast
Room111: R1S1 IEV&IVPR Track	8:50	9:10	213. Three-Dimensional Gradient-Based Laplacian Spatial Filter of a Field of Vectors for Geometrical Edges Magnitude Detection in Point Cloud Surfaces
	9:10	9:30	175. A New Perspective in Designing an Optimized Fault Tolerant Reversible Multiplier
	9:30	10:00	Invited Talk 1: Yasushi Makihara, Osaka University
Room117: R2S1 IEV&IVPR Track	8:50	9:10	177. Incremental Abbreviation Detection in Clinical Texts
	9:10	9:30	187. A Hybrid Scheme Using PCA and ICA Based Statistical Feature for Epileptic Seizure Recognition from EEG Signal
	9:30	9:50	194. Interpretable Machine Learning with Boosting by Boolean Algorithm
Room118: R3S1 IEV&IVPR Track	8:50	9:10	198. Effect of flux ratio on GaSb films grown at a low temperature on Si(111)
	9:10	9:30	203. Bangla Handwritten Character Recognition using Convolutional Neural Network with Data Augmentation
	9:30	9:50	217. Prediction of Gender and Age from Inertial Sensor-based Gait Dataset
	9:50	10:20	Coffee Break
	10:20	10:40	52. On the Optimal Size of Ring-canal in Starfish Routing

Room111: R1S2	10:40	11:00	209. Emotion Estimation Using Body Expression Types Based on LMA and Sensitivity Analysis
IEV&IVPR Track	11:00	11:20	173. Comparisons of Machine Learning Algorithms for Driving Behavior Recognition Using In-Vehicle CAN Bus Data
Room117: R2S2	10:20	10:40	19. A Low-cost Healthcare Bot for Elderly People
IEV&IVPR Track	10:40	11:00	183. Generalized Construction of Compression Function to Build a Cryptographic Hash
	11:00	11:20	184. Primate Markerless Pose Estimation and Movement Analysis via DeepLabCut
Room118: R3S2	10:20	10:40	171. Parametric Performance Estimation of WiMax using Fuzzy Logic
IEV&IVPR Track	10:40	11:00	205. A Belief Rule Based Expert System for Evaluating Technological Innovation Capability of High-Tech Firms Under Uncertainty
	11:00	11:20	214. Three-Dimensional Gradient Spatial Filter of a Field of Vectors for Geometrical Edges Magnitude Detection in Point Cloud Surfaces
	11:20	13:00	Lunch Break - lunch will be provided
Room122 (Auditorium)	13:00	13:20	Opening Ceremony
	13:20	14:20	Keynote Speech 1: Jeff Cohn, University of Pittsburg
	14:20	14:40	1 min Madness presentation for SC presenters (SCIEV papers: 53, 95, 100, 114, 134, 136, 148, 193, 221)
	14:40	15:00	Coffee Break
Room122 (Auditorium)	15:00	16:00	Keynote Speech 2: Anind Dey, University of Washington
	16:00	16:40	Invited Talk 2: Hiroko Shoji, Chuo University, President of Japan Society of Kansei Engineering
Room111: Tutorial 1	16:00	18:00	Tutorial 1: Computational Modeling of the Dividing Human Cell M. Julius Hossain, Research Scientist, European Molecular Biology Laboratory (EMBL)
Room117: Tutorial 2	16:00	18:00	Tutorial 2: Visual Knowledge Discovery and Machine Learning Boris Kovalevichuk, Professor, Director of Imaging Lab., Central Washington University

Day 3: 01 June (Saturday)

Location	Begin	End	Paper Title with ID / Event Details
	8:10	8:40	Breakfast
Room225: R1S3	8:50	9:10	163. MR-Anonymization: A Relationship-based Privacy Model
IEV&IVPR Track	9:10	9:30	15. Automated Medicinal Plants Classification using Multi-Channel Modified Local Gradient Pattern with SVM Classifier.
	9:30	10:00	Invited Talk 3: Nikola Banovic, University of Michigan, Ann Arbor
Room226: R2S3	8:50	9:10	204. Static Hand Gesture Recognition using Convolutional Neural Network with Data Augmentation
IEV&IVPR Track	9:10	9:30	20. Image Inpainting Method Based on Mixed Median
	9:30	9:50	24. Passive motion of biped robot with unbalanced masses
	9:50	10:10	36. Heptagonal Photonic Crystal Fiber Based Chemical Sensor in THz Regime
Room228: R3S3	8:50	9:10	71. Challenges in Sensor-based Human Activity Recognition and a Comparative Analysis of Benchmark Datasets: A Review

ABC Track	9:10	9:30	55. Integrating Activity Recognition and Nursing Care Records: The System, Experiment, and the Dataset
	9:30	9:50	48. Challenges for data collecting of teacher and student' behavior in different types of class using video and wearable device
	9:50	10:10	17. An Efficient Strategy for Face Clustering use in Video Surveillance System
	9:50	10:20	Coffee Break
Room225: R1S4 IEV&IVPR Track	10:20	10:40	38. Recyclable Plastic Bottles Deposit and Refund System (RPBDRS)
	10:40	11:00	39. Design of Multi-band Patch Antenna for Ubiquitous Wireless Communication
	11:00	11:20	207. Bangladeshi License Plate Recognition Using Adaboost Classifier
	11:20	11:40	103. A survey on Human Activity Recognition Using Accelerometer Sensor
Room226: R2S4 IEV&IVPR Track	10:20	10:40	57. Wideband Inset Fed Slotted Patch Microstrip Antenna for ISM Band Applications
	10:40	11:00	63. A Complete Bengali Stop Word Detection Mechanism using Machine Learning
	11:00	11:20	73. Optimized Classification Model for Efficient Recognition of Meal-Related Activities in Daily Life Meal Environment
	11:20	11:40	120. Popularity prediction of online news item based on Social Media Response
Room228: R3S4 ABC Track	10:20	10:40	59. WLCSSLearn: Learning Algorithm for Template Matching-based Gesture Recognition Systems
	10:40	11:00	27. Towards Visual Behavior Detection in Human-Machine Conversations
	11:00	11:20	58. Crowdsourcing System Management for Activity Data with Mobile Sensors
	11:20	11:40	104. Active sensing system for measuring distress level using mood induction music
	11:40	13:30	Lunch Break: Lunch will be provided
Room225	11:40	13:10	Interaction Poster Session: 53, 95, 100, 114, 134, 136, 148, 193, 221.
Room225: R1S5 IEV&IVPR Track	13:30	14:00	Invited Talk 4: Emi Yuda, Tohoku University
	14:00	14:20	115. Link-Renaming Technique for Efficiently Increasing Similarity among SDN Entries
	14:20	14:40	118. A Method to Suggest Solutions for Software Bugs
Room226: R2S5 IEV&IVPR Track	13:30	13:50	122. Bengali Stop Phrase Detection Mechanism using Corpus
	13:50	14:10	128. Bangla Handwritten Basic Character Recognition Using Deep Convolutional Neural Network
	14:10	14:30	125. Semantic Error Detection and Correction in Bangla Sentence
	14:30	14:50	131. The Effect of the Similarity Between the Two Names of Twitter Users on the Credibility of Their Publications
Room228: R3S5 ABC Track	13:30	13:50	60. Understanding Compatibility-based Classifier Personalization in Activity Recognition
	13:50	14:10	70. Proposal of Easily Distributable Insole Type Gait Sensor for Health Promotion of Elderly People
	14:10	14:30	65. Toward Projection Learning between Sensor Data and Semantic Word Vector for Zero-shot Learning

	14:30	14:50	72. An Approach to Classify Human Activities in Real-time from Smartphone Sensor data
	14:50	15:20	Coffee break
Room225: R1S6 IEV&IVPR Track	15:20	15:40	141. Design and Implementation of DFAB Hand - A Low-cost Myoelectric Prosthetic Hand Using Laser Cutter and Cross-correlation Feature
	15:40	16:00	142. Extraction of Heart Rate from PPG Signal: A Machine Learning Approach using Decision Tree Regression Algorithm
	16:00	16:20	145. Smart Warehouse Management System with RFID and Cloud Database
	16:20	16:40	147. Brain Tissue Segmentation Using NeuroNet With Different Pre-processing Techniques
	16:40	17:00	156. Boosting Monocular Depth Estimation with Channel Attention and Mutual Learning
	17:00	17:20	206. Facial Expression Recognition using Convolutional Neural Network with Data Augmentation
Room226: R2S6 IEV&IVPR Track	15:20	15:40	161. WS2-CH3NH3PbI3 Perovskite Nanostructure based Bimetallic Surface Plasmon Resonance Biosensor with High Sensitivity and High Resolution
	15:40	16:00	162. Implementing an Efficient SAT Solver for Structured Instances
	16:00	16:20	8. Mean of Means: An Automatic Liver Segmentation Algorithm
	16:20	16:40	164. Performance Analysis and Mitigating the Challenges of Constraint-based Local Search
	16:40	17:00	169. A Predictive Analytics System for Forecasting Student Academic Performance: Insights from a Pilot Project at Eastern Washington University
Room228: R3S6 ABC Track	15:20	15:40	180. Parametric Study of Student Learning in IT Using Data Mining to Improve Academic Performance
	15:40	16:00	67. Comparing Feature Learning Methods for Human Activity Recognition: Performance study in new user scenario
	16:00	16:20	66. Hybrid Activity Recognition for Ballroom Dance Exercise using Video and Wearable Sensor
	16:20	16:40	54. Human and Machine Recognition of Transportation Modes from Body-Worn Camera Images
	16:40	17:00	68. A Comparative Study on Missing Data Handling Using Machine Learning for Human Activity Recognition
	19:00	21:00	Banquet & Award Ceremony @Courtyard by Marriott <i>(Please keep your Banquet Ticket with you)</i>

Day 4: 02 June (Sunday)

On tour (advice will be provided during the conference)