

# IEEE IWCIA2023 Technical Program at a Glance (ver. 20231030)

## Day1 (November 11th)

	Room 201
13:30	Opening & Keynote Talk
15:10	
	Coffee Break
15:30	Session 1 Human Behavior
16:10	
	Coffee Break
16:30	Session 2 Deep Learning
17:30	
	Convivial Party in Hiroshima Night (TBA)

## Day2 (November 12th)

	Room 201
11:00	Session 3 Evolutionary Computation
11:40	
11:40	Lunch
13:00	
13:00	Session 4 Special Session Kansei Engineering
14:20	
	Coffee Break
14:40	Session 5 Optimization & Parallel Processing
15:20	
15:20	
15:30	Closing

Each paper presentations lasts for 15 minutes, followed by 5 minutes discussion (a total of 20 minutes)

## **Technical Program on Nov. 11, 2023**

### **Opening & Keynote Talk (IEEE SMC Hiroshima Chapter Invited Special Talk) (Room 201, 13:30~15:10)**

Chair: *Prof. Yutaka Sasaki*

DX and Data Linkage Platform Use Cases in Smart City Projects

*Prof. Yuichi Nakamura (NEC Corporation)*

### **Session 1 *Human Behavior* (Room 201, 15:30~16:10)**

Session Chair: *Prof. Tomohiro Hayashida*

1. An Attempt to Analyze the Fluctuation in Vergence Distance During 3D Video Watching  
*Yuxuan Wang, Yoshinobu Maeda, Taishin Nomura and Masako Ishii*
2. Identification of potential improvement assembly movement using worker classification by motion capture and machine learning  
*Ryuto Kawane, Hiromasa Ijuin, Koki Karube, Masao Sugi, Tomohiro Nakada and Tetsuo Yamada*

### **Session 2 *Deep Learning* (Room 201, 16:30~17:30)**

Session Chair: *Prof. Akira Hara*

1. Asymmetric Similarity Scores of Color Names in Twitter-Based Language Models  
*D. Moritz Marutschke*
2. Pseudo-Labeling With Contrastive Perturbation Using CNN & ViT for Chest X-ray Classification  
*Thanawit Gerdprasert and Shingo Mabu*
3. Modified MC-MHLF Model using Multi-Channel Input for Time Series Classification  
*Keiichi Tamura and Yoshiki Nakagawa*

## **Technical Program on Nov. 12, 2023**

### **Session 3 Evolutionary Computation (Room 201, 11:00~11:40)**

Session Chair: *Prof. Daisuke Hirotsu*

1. Digital Filter Design via Recurrent Cartesian Genetic Programming  
*Edward Ly and Julian Villegas*
2. Distribution System Reconfiguration using A Multiobjective Evolutionary Algorithm with An External Archive  
*Shinya Sekizaki, Shuya Sato, Seigo Terayama, Ichiro Nishizaki, Tomohiro Hayashida, Takaaki Mutou and Yasuyuki Kunii*

### **Session 4 Special Session Kansei Engineering (Room 201, 13:00~14:20)**

Session Chair: *Prof. Takashi Sakamoto*

1. Discussion Support System Encouraging EEG Cognitive Empathy between Participants  
*Taiyo Sunny Kojima, Kosaku Ueda, Naoki Takahashi, Toru Nakata, Takashi Sakamoto and Toshikazu Kato*
2. Reading Strategy and Eye Movement of Japanese Students When Reading English as a Foreign Language  
*Naoki Takahashi, Yui Yokoyama, Takashi Sakamoto, Toru Nakata and Toshikazu Kato*
3. An Encouraging System based on Student Attitude Classification  
*Naoki Kuwahara, Naoki Takahashi, Toru Nakata, Takashi Sakamoto and Toshikazu Kato*
4. Suitable Typefaces for Food Packaging to Express Taste: A Comparative Study of Chinese and Japanese Cultures  
*Asako Noma, Naoki Takahashi, Toru Nakata, Takashi Sakamoto and Toshikazu Kato*

### **Session 5 Optimization & Parallel Processing (Room 201, 14:40~15:20)**

Session Chair: *Prof. Keiichi Tamura*

1. An Approach to Accelerate Three-dimensional Cardiac Simulation on GPU  
*Qin Li, Xin Zhu and Wenfeng Shen*
2. Dual Resource-Constrained Scheduling Problem Considering Differences in Processing Time among Operators and Rush Order  
*Makoto Kimura, Aya Ishigaki and Nari Tanabe*

### **Closing (Room 201, 15:20~15:30)**