

Sunday, 15th March
09:00-09:50 Registration

ISASE 2020 Special Events (Room A0765)

9:50 – 10:00
Opening Remarks (Room A0765)

10:00 – 10:40

Key Note Talk1 (Room A0765)

Automatic Estimation of Affective Impressions from a Single Sound-symbolic Word and Word-based Visualization of Perceptual Space

Maki Sakamoto (The University of Electro-Communications)

10:50 – 11:30

Key Note Talk2 (Room A0765)

Current Achievements and Future Perspectives for Artificial Intelligence in Medical Engineering

Syoji Kobashi (University of Hyogo)

13:00 – 14:40

ISASE2020 Oral Presentation Sessions 1 (Room A0712, A0715 and A0765)

1-A: Organized Session-Artificial Intelligence for Computer-aided Medical and Healthcare Engineering (Room A0712) 13:00 – 14:40

13:00 – 14:40

ISASE2020 Oral Presentation Sessions 1 (Room A0712, A0715 and A0765)

1-A: Organized Session-Artificial Intelligence for Computer-aided Medical and Healthcare Engineering (Room A0712) 13:00 – 14:40

1-A-1: Changes in Respiration Pattern Preceding Drowsiness During Driving Ambulatory Respiration Monitoring by Smart Shirts Sensors

*Emi Yuda¹, Yoshida Yoshida², Junichiro Hayano² (1.Tohoku Univ., 2.Nagoya City Univ.)

1-A-2: Estimation of Office Worker's Emotions Using Wearable Biometric Sensor

*Junichiro Hayano¹, Tetsuya Tanabiki³, Shinichiro Iwata³, Katsumi Abe³, Emi Yuda² (1.Nagoya City University, 2.Tohoku University, 3.NEC Co.)

1-A-3: Synthetic Brain Image Generation for ADHD prediction based on Progressive Growing Generative Adversarial Network

*Saadia Binte Alam¹, Moazzem Hossain¹, Syoji Kobashi¹ (1.University of Hyogo)

1-A-4: Time Series Human Motion Prediction Using RGB Camera and OpenPose

*Andi Prademon Yunus¹, Nobu C. Shirai¹, Kento Morita¹, Tetsushi Wakabayashi¹ (1.Mie University)

1-A-5: Osteoradionecrosis Region Estimation Using Machine Learning

*Kento Morita¹, Daisuke Takeda², Takumi Hasegawa², Tetsushi Wakabayashi¹ (1.Department of Information Engineering, Graduate School of Engineering, Mie University, 2.Department of Oral and Maxillofacial Surgery, Graduate School of Medicine, Kobe University)

1-B: Affective Information (Room A0715) 13:00 – 14:40

1-B-1: <Special Talk> Olfactory Perception and Kansei—Unravelling Effect of Odor on Psycho-physiological Index Evoked Unconsciously

*Yoshiko Nakao¹, Eri Higuchi¹, Satoshi Kitano¹, Takayuki Kodama² (1.NIHON L'OREAL K.K., 2.Kyoto Tachibana University)

1-B-2: Improvement of BCI operation accuracy by the VR human body motion feedback

*Yuki Shimizu¹, Hisaya Tanaka¹ (1.Kogakuin University)

1-B-3: A Study on Evaluation of Healing Level Using Brainwave Stimulated by Tourist Spot Image

*Isao Nakanishi¹, Soushi Uchida¹, Yoshiaki Sindo¹ (1.Tottori University)

1-B-4: Cultural and Gender Differences of Impression of Sound Clips

*Teruhisa Hochin¹, Qiyu Yang¹, Hiroki Nomiya¹ (1.Kyoto Institute of Technology)

1-B-5: The Effects of Tactile Feedback on the Affective Evaluation of Switch Sounds

*Kenji Ozawa¹, Kousuke Yamaji¹, Takeshi Shirasaka², Katsuya Saito², Hisato Shimomura² (1.University of Yamanashi, 2.Alps Alpine Co., Ltd.)

1-C: Affective Education 1 (Room A0765) 13:00 – 14:40

1-C-1: Characteristics Extraction from Lifestyle Questionnaire Data in Specific Health Checkup Based on Health State Transition of Metabolic Syndrome

*Norihiko Hashimoto¹, Yoshiaki MIYAUCHI², Haruhiko NISHIMURA¹ (1.Graduate School of Applied Informatics, University of Hyogo, 2.Graduate School of Nursing, Nagoya City University)

1-C-2: Trial Use of QOL Evaluation Management Application for Cancer Therapy
Multiple Evaluation Methods and Score Analysis Methods

*Guen Yamada¹, Jue Zhang¹, Takuro Sakurai² (1.Kansei Information Laboratory, Kogakuin University, 2.National Cancer Center Hospital)

1-C-3: Building a device-free system to prevent fractures in older people with musculoskeletal ambulatory disability symptom complex

*Keiko Fukuroku¹, Yugo Narita¹, Hiroharu Kawanaka¹ (1.Mie University)

1-C-4: N-back tasks for spatial and verbal working memory using Near-Infrared Spectroscopy

*Kota Kano¹, Hisaya Tanaka¹ (1.Kogakuin University)

1-C-5: A Survey about Nap Habits in Workplace

*Cen Zhang¹, Seung Hee Lee¹ (1.University of Tsukuba)

15:00 – 16:40

ISASE2020 Oral Presentation Sessions 2 (Room A0712, A0715 and A0765)

2-A: Affective Business & Marketing (Room A0712) 15:00 – 16:40

2-A-1: Suitable range for ease allowance and appearance of women's shirts

*Yuika Sakata¹, KyoungOk Kim¹, Masayuki Takatera¹ (1.Shinshu University)

2-A-2: Luxury Fashion in Online Platform Service

*Chikako Miura¹, Sakiho Kai², Takao Furukawa², Kaoru Mori³ (1.(Former Affiliation)Kyoritsu Women's University, 2.Kyoritsu Women's University, 3.Keio University)

2-A-3: Qualitative Evaluation Method for Inner Branding of B2B "Small and Medium-Size Enterprises" using Face Chart.

*Takahiro Nishihara¹, Masahiro Kiyosumi¹, Hisao Shiizuka² (1.Kyushu University, 2.SKEL Shiizuka Kansei Engineering Laboratory Co. Ltd.)

2-A-4: Basic Model for Memory Retention of Advertising Content in Outdoor Advertising

*Masaaki Koyama¹, Yuki Takahashi¹, Hisao Shizuka² (1.AIWA Advertisement Co., Ltd., 2.SKEL Shiizuka Kansei Engineering Laboratory)

2-A-5: Extraction of Problem Solving Patterns on Business Meeting

*Yuri Hamada¹, Tomomi Gojo¹, Hiroko Shoji¹ (1.Chuo University)

2-B: Emotional Design (Room A0715) 15:00-16:40

2-B-1: Visualization of sounds from multiple musical instruments

*Shoichi Miyamae¹, Noriko Hashida¹ (1.Shibaura Institute of Technology)

2-B-2: Emotional Map : Building a Data Tool for Geolocation-related Product Design

*Pengcheng Wan¹, Seung Hee Lee¹ (1.University of Tsukuba)

2-B-3: Design of Health State Transition Model Based on the Specific Health Checkup Using Binary Expression

*Yoshiaki Miyauchi¹, Norihiko Hashimoto², Haruhiko Nishimura² (1.Nagoya City University, 2.University of Hyogo)

2-B-4: Take-Over Request in Highly Automated Driving: A Survey on Driving Experience and Emergency Operation Accuracy

*Han Zhang¹, Ji Wang¹, Seunghee Lee¹ (1.University of Tsukuba)

2-B-5: Building a Smartphone Push Notification Management System

*Kazuma YOSHIIZUMI¹, Jue ZHANG¹ (1.Kogakuin University)

2-B-6: "Tell Tell" - Effects of Personality of Kansei Agents

*Ryo WATANABE¹, Shigeki OKAWA¹ (1.Chiba Institute of Technology)

2-C: Affective Education 2 (Room A0765) 15:00-16:40

2-C-1: Understanding the burden in communication through a short-term education program with practical experiences-Focus on VAS differences among method and transition through experience-

*Tamotsu Imura¹, Yugo Narita², Michiko Nakai³, Yuji Tanaka⁴, Takemasa Ishikawa⁵ (1.Chubu Gakuin Univ., 2.Mie Univ., 3.Suzuka Univ. of Med. Sci., 4.Aichi Univ. of Edu., 5.Mie Univ. Hosp.)

2-C-2: The Experience of Augmentative and Alternative Communication on a Half-Day Training Program on Communication for Support of People with Amyotrophic Lateral Sclerosis-Text mining the free-text comments of students from multiple healthcare disciplines-

*Takemasa Ishikawa¹, Yugo Narita¹, Tamotsu Imura², Yuji Tanaka³, Michiko Nakai⁴, Keiko Fukuroku¹ (1.Mie University, 2.Chubu Gakuin University, 3.Aichi University of Education, 4.Suzuka University of Medical Science)

2-C-3: The Effect of a Half-Day Training Program for Students in Multiple Healthcare Disciplines on Communication Support for People with Amyotrophic Lateral Sclerosis using Pre- / Post-tests

*Takemasa Ishikawa¹, Yugo Narita¹, Tamotsu Imura², Yuji Tanaka³, Michiko Nakai⁴, Keiko Fukuroku¹ (1.Mie University, 2.Chubu Gakuin University, 3.Aichi University of Education, 4.Suzuka University of Medical Science)

2-C-4: Primary EFL in Japan-A snapshot of L2 motivation at 11+

*MACHIKO KOBORI¹ (1.Hosei university)

2-C-5: Proposal of "The VIA Model" for PBL activation with recognizing "Snapshot-like" intuitive sense of values

*Koichi Takahashi¹, Masahiro Kiyosumi¹ (1.Kyushu University)

Monday, 16th March

09:00-09:30 Registration

ISASE2020 Oral Presentation Sessions 3 (Room A0715 and A0765)

3-A: Affective Design 1 (Room A0715) 9:30 – 11:10

3-A-1: Analysis of Perfumes Used to Create Fragrances that Give a Sense of Hospitality

*Harumi Nakagawa¹, Noriaki Kuwahara¹ (1.Kyoto Institute of Technology)

3-A-2: Design guideline for designing single handle faucets based on the correlations between human lifestyles and design elements

*Riku Takagi¹ (1.Shibaura Institute of Technology/TAKAGI CO. LTD.)

3-A-3: A Discrete Event Systems Approach to Model Problem Structure of Drug Ingestion Accidents in Infants

*Naoshige Akita¹, Yoshitsugu Morita¹, Hisao Shiizuka² (1.Kyushu University, 2.SKEL Shiizuka Kansei Engineering Laboratory)

3-A-4: Emotions of Simplified and Traditional Chinese Typeface

*QIANRU QIU¹, SHU WATANABE¹, KENGO OMURA¹ (1.Fuji Xerox Co. Ltd)

3-A-5: Modeling acceptable novelty using information theory

*Masafumi Miyamoto¹, Hideyoshi Yanagisawa¹ (1.The University of Tokyo)

3-B: Affective Innovation (Room A0765) 9:30-11:10

3-B-1: Analysis of Emotional Trigger at Powder Room-Factor of Negative and Positive Emotion through Dressing-

*Yuka Fujimoto¹, Yukari Takaku¹ (1.LIXIL Corporation)

3-B-2: Concept of Artificial Kansei-Challenge to New Artificial Intelligence

*Hisao Shiizuka¹, Shigaku Tei² (1.SKEL Shiizuka Kansei Engineering Laboratory, 2.The University of Aizu)

3-B-3:Understanding and Supporting Users to Improve Atmosphere of Communication by Kansei Agents

*Shigaku Tei¹, Tatsuki Kawaguchi¹, Tech Ceng Sim², Hisao Shiizuka³ (1.The Univ. of Aizu, 2.The Univ. of Aizu, Junior College Division, 3.SKEL Shiizuka Kansei Engineering Laboratory)

3-B-4: A System Advised Drawing of Tessellation based on Artful Thinking Process

*LUYI HUANG¹, Shigaku Tei¹, Yilang Wu², Hisao Shiizuka³ (1. The University of Aizu, 2.Digital Technology Laboratory, PKUtech Co. Ltd., 3.SKEL Shiizuka Kansei Engineering Laboratory)

3-B-5: An Operator Interface for Autonomous Vehicles

*Zhi Wang¹, Hideyasu Sai¹, Kazuo Ogiwara¹, Daishi Watabe¹, Yukimichi Saito², Masayoshi Wada³ (1.Saitama Institute of Technology, 2.Mikuni Life & Auto, 3.Tokyo University of Agriculture and Technology)

4-A: Affective Design 2 (Room A0715) 11:30-13:10

4-A-1: Recommender system based on personal kansei evaluation tendency

*Yuya Kondo¹, Hiroshi Takenouchi², Masataka Tokumaru¹
(1.Kansai University,2.Fukuoka Institute of Technology)

4-A-2: A sticker-based dialog system considering shared emotions in group chat

*Ryo Ito¹, Masataka Tokumaru² (1.Graduate School of Science and Engineering System Science and Engineering course, Kansai University, 2.Kansai University)

4-A-3: Optimization Model to Express Emotions of Pet Robot

*Chihiro Morita¹, Masataka Tokumaru² (1.Graduate School of Kansai University, 2.Kansai University)

4-A-4: Emotional Meaning of Eyelid Positions on a One-Eyed 2D Avatar

Eiji Onchi¹, Daniel Saakes², *Seung Hee Lee¹ (1.Univ. of Tsukuba, 2.KAIST)

4-A-5: A survey of the effects of non-emotional motion features on emotion

*Hiroaki Tanazawa¹, Tokumaru Masataka¹ (1.Kansai University)

4-B: Affective Science and Engineering (Room A0765) 11:30-13:10

4-B-1: Risk Feeling Index of Autonomous Vehicle Behavior-Modeling Individual differences based on Expectation Effect Theory-

*Takashi Hashimoto¹, Hideyoshi Yanagisawa¹ (1.The University of Tokyo)

4-B-2: Developing a program to detect plastic bags hanging on overhead railway power lines through the use of drone photography

*Naoki Matsuura¹, Jue Zhang¹ (1.Kogakuin Univ.)

4-B-3: Influences of pre-presented information on multi-armed bandit task

*Kouhei Kudo¹, Takashi Takekawa¹ (1.Kogakuin University)

4-B-4: Effects of Lighting Color on Promoting Emotional States

*Yuka Matsumoto¹, Midori Tanaka¹, Takahiko Horiuchi¹, Yuki Nakahodo², Maki Sakamoto², Toyoshige Nohnishi³ (1.Chiba University, 2.The University of Electro-Communications, 3.KONICA MINOLTA, INC.)

4-B-5: Communication through Typefaces: Affective Selection of English, Myanmar and Japanese Typefaces

*Naw Victory Gabriel¹, Mina Ryoke¹ (1.University of Tsukuba)