

# Tentative Program

Wednesday, May 21, 2014

<b>8:30~19:00</b>	
<b>Ballroom 2</b>	<b>Nuclear Safety Culture Workshop I organized by KAERI (Tutorial Session Free Admission for ACED Participants)</b>
	IAEA safety culture self-assessment methods Monica Haage (IAEA)
	IAEA safety culture independent assessment methods Monica Haage (IAEA)
	How to create a culture improvement programme Germaine Watts (IOS)
	Tools and methods for improving culture Germaine Watts (IOS)
	Practice: Cultural observation Monica Haage (IAEA), Germaine Watts (IOS)
	General Project Manager's reflections and Closure Yong-hee Lee (KAERI)

<b>13:30~19:00</b>	
<b>Mara</b>	<b>Special Workshop on Recent Advances in Neuromarketing Research Chair Gyouhyung Kyung</b>
	Socio-cultural Variables for Neuromarketing Gyu-Hyun Kwon (Korea Institute of Science and Technology, S. Korea)
	Customer Satisfaction about Haptic Experience Laehyun Kim (Korea Institute of Science and Technology, S. Korea)
	Evaluation of TV Advertisements Based on Neural Responses of Viewers Sung-Phil Kim (UNIST, S. Korea)
	Qualitative UX Design Value Recognition and Neuromarketing Seunghun Yoo (Korea University, S. Korea)
	EEG-Based Neuromarketing: Possibilities and Opportunities Chang-Hwan Im (Hanyang University, S. Korea)
	Market Trends for Neuromarketing Eun-Jung Choi (Sangmyung University, S. Korea)
	Panel Discussion: Challenges and Opportunities for Neuromarketing Research in Korea

<b>19:00~21:00</b>	
<b>Ballroom 1</b>	Welcome Reception Ballroom 1 Chair Myung Chul Jung Co-chair Inseok Lee Welcome Speech by Dr. Jinho Kim President KOSES Performance arranged by Jeju National University

## Thursday, May 22, 2014

<b>8:30~10:00</b>	
<b>Ballroom 1</b>	<b>JES ESK Joint Session I Mental Workload Chair Gwanseob Shin Co-chair Keisuke Suzuk</b>
	Reliability Evaluation of Head Position Assessment Methods Gwanseob Shin (Ulsan National Institute of Science and Technology, S. Korea), Chang-hyung Lee (Pusan National University, S. Korea), Sojung Lee, Hwayeong Kang (Ulsan National Institute of Science and Technology, S. Korea)
	Presentation of Multiple Driving Support Information Using the Driver's Peripheral Vision at Blind Intersection Makoto Mochizuki, Keisuke Goto, Keisuke Suzuki (Kagawa University, Japan)
	Influences of Positive Emotion on Cardiovascular Responses to Mental Works Xinxin Liu (National Institute of Occupational Safety and Health, Japan), Kazuma Ishimatsu (Jikei Institute, Japan), Midori Sotoyama, Kazuyuki Iwakiri (National Institute of Occupational Safety and Health, Japan)
	Research on the Validity of the Psychosomatic State Estimation Based on the Changing State Hypothesis Shinichi Tachiwana, Kohsuke Imai, Keisuke Suzuki, Shunichi Doi (Kagawa University, Japan)
	Minimum Duration for Presenting Tactile Stimuli to Perceive Stimulus Locations on the Palm Kazuki Sakai, Kentaro Kotani, Satoshi Suzuki, Takafumi Asao (Kansai University, Japan)
<b>Ballroom 2</b>	<b>Vehicle and Transportation Systems Chair Woojin Park Co-chair Woon-Sung Lee</b>
	Complexity of Automotive HMI Systems: A Literature Review Seul Chan Lee, Hwan Hwangbo, Ji Man Kim, Meen Jong Kim, Yong Gu Ji (Yonsei University, S. Korea)
	Development of a Cloud Model for Improving Detection of Driver Visual Distraction Ying Zhang, Woon-Sung Lee (Kookmin University, S. Korea)
	Effects of Wedge Visual Support on User Metacognitive Strategy and Wayfinding Behavior within a Virtual Environment Chien-Hsiung Chen, Shih-Chieh Chen, Yu-Chang Huang (National Taiwan University of Science and Technology, Taiwan)
	A Review of Research Studies on Automotive HUD Information and UI Design Juhee Park, Woojin Park (Seoul National University, S. Korea)
	Evaluation of Classification Model for Goals in Visual Search using Driver Segments based on Cognitive Characteristics Ji Hoon Kim, Ji Hyoun Lim (Hongik University, S. Korea)
<b>Ballroom 3</b>	<b>Product Design Chair Satoshi Muraki Co-chair Mincheol Whang</b>
	Extraction of Design Rule from Han-Style Bathroom Design Using Rough Set Theory Jina Park, Soam Kim (Korea Institute of Construction Technology, S. Korea)

	Influencing Children's Eating Behavior through a Persuasive Lunch Box Design Johanna Renny Octavia, Felita Septian Giovani (Universitas Katolik Parahyangan, Indonesia)
	The Observation of Children's Holding Position to Redesign Elementary School Chair for Easy Carrying and Moving Lu'lu' Purwaningrum (Kyushu University, Japan), Satoshi Muraki (Kyushu University, Japan)
	Ergonomic Rice Transplanter for Filipino Farmers Rosemary Seva, Jerome Carlo Casiño, Riccardi Stasia Octavo, Anna Katrina Santiago (De La Salle University, Philippines)
	Bio-signal based Emotion Visualization Map System using Smartphone Minhee Kim, SungTeac Hwang, Dong Keun Kim, Mincheol Whang (Sangmyung University, S. Korea)
<b>Ballroom 4</b>	<b>Nuclear Safety Culture Workshop II organized by KAERI (Open to Public)</b>
	Opening Ceremony Dr. Nam-seong Ahn (KETEP)
	IAEA's Approach to Safety Culture Monica Haage (IAEA)
<b>Mara</b>	<b>Design for Diversity Chair Jungchul Park Co-chair Hsuan Lin</b>
	A Classification of Assistive Functions for People with Sensory and Physical Disabilities JooHwan Park, Sung H. Han, Hyun K. Kim, Heekyung Moon (Pohang University of Science and Technology, S. Korea)
	Assistive Technologies for People with Disabilities Hyun K. Kim, Sung H. Han, Heekyung Moon, JooHwan Park (Pohang University of Science and Technology, S. Korea)
	Assistive Technologies for People with Disabilities Hyun K. Kim, Sung H. Han, Heekyung Moon, JooHwan Park (Pohang University of Science and Technology, S. Korea)
	Chronic Pain Assessment Tool for the Older Adults: Perceived Difficulties, Behavior and Usability Wang-Chin Tsai, Cian-Yu Liu (Fo-Guang University, Taiwan), Chia-Ling Chang (Far East University, Taiwan), Hsuan Lin (Tainan University of Science and Technology, Taiwan)
	Development of a Mobile Device Task Taxonomy for the Disabled Heekyung Moon, Sung H. Han, Hyun K. Kim, JooHwan Park (Pohang University of Science and Technology, S. Korea)
	Adaptive Driving Assistant System for the Elderly Driver Considering Individual Characteristics Seunghee Hong, Keisuke Suzuki, Byungchan Min, Shunichi Doi (Kagawa University, Japan)
<b>Udo</b>	<b>Psychophysiology Chair Hyo-Il Jung Co-chair Mieko Ohsuga</b>
	Classification of Mental Fatigue Induced by Sympathetic or Parasympathetic Hyperactivity Seonmi Jeon, Suejin Noh, Mincheol Whang (National Research Foundation of Korea, S. Korea)
	Measurement and Analysis of Stress Biomarkers in Real-time by Thermal Biosensor Jung-Hyun Lee, Joonchul Shin, Chenjie Yi, Suji Choi, Hyo-Il Jung (Yonsei University, S. Korea)
	Smartphone based Quantitative Stress Measurement System Suji Choi, Jung-sik Yang, Jung-Hyun Lee, Socheol Kim, Chulmin Joo, Hyo-Il Jung (Yonsei University, S. Korea)
	Basic Study on the Relation between Heart Rate Variability and Respiration Period of Children toward the Development of a Respiration Leading Stuffed Toy

	Electroencephalogram as a Reference Data for a Neuromarketing Service in Movie Industry Wuon-Shik Kim, Sung-Tae Lee (Korea Research Institute of Standards and Science, S. Korea), Yaeun Kim, Hyoung-Min Choi (PHYSIONICS Co., Ltd., S. Korea), Jeonggueon Woo (Dankook University, S. Korea)
	Is Flow Good? Is Addiction Bad?: Psychological and Physiological Approach in Computer Gaming Maria Hafeez, Jung-Yong Kim (Hanyang University, S. Korea)
<b>10:00~10:30</b>	<b>Coffee Break</b>
<b>10:30~12:00</b>	
<b>Ballroom 1</b>	<b>Opening Ceremony and Opening Plenary Ballroom 1 Chair Tazoon Park Co-chair Gyuhyung Kyung</b> <b>Opening Speech and VIP Introduction by Dr. Seong Rok Chang President ESK</b> <b>Welcome Address and Organizing Committie Introduction Dr. Sung H. Han Organizing Chair ACED 2014</b> <b>Welcome Address by Mr. XXX Mayor of JeJu City</b> <b>Keynote Speech I by Dr. Eui S. Jung Professor Korea University TITLE</b> <b>Keynote Speech II by Dr. Alan Chan Professor City University of Hong Kong TITLE</b>
<b>12:00~13:30</b>	<b>Lunch Break</b>
<b>13:30~15:00</b>	
<b>Ballroom 1</b>	<b>JES ESK Joint Session II Interface Design Chair Shigekazu Higuchi Co-chair Hwa-Kyung Shin</b>
	Physical Properties and Onomatopoeia-Characterizing Onomatopoeia in Relation to Shaking- Takashi Toriizuka (Nihon University, Japan)
	EEG Responses to Group Action-Related Stimuli Yeon-Kyu Kim, Hiroki TOMIHARA, Kenta AKASHIMA, Shigekazu HIGUCHI (Kyushu University, Japan)
	A missense I394T Variant in Human Melanopsin Gene is Associated with Non-Image Forming Responses, including Pupillary Light Reflex and Sleep/Wake Timing
	Asymmetry of Sitting Pressure in Individual with Post-stroke Hemiparesis during Simulated Driving Duhwan Lee (Catholic university of Daegu, S. Korea), Joonwoo Son (Daegu Gyeongbuk institute of Science and Technology, S. Korea), Kwansub Lee, Hwa-Kyung Shin (Catholic university of Daegu, S. Korea)
	Simulator-based Driving Assessment for Stroke Patients Myoungouk Park, Joonwoo Son, Bawul Kim (Daegu Gyeongbuk Institute of Science and Technology, S. Korea), Hwa-kyung Shin (Catholic
<b>Ballroom 2</b>	<b>Design Methodology Chair Youngsuk LEE Co-chair Wen-Ko Chiou</b>
	Mobile Convenience:A Design Ideation Exercise to Suit Various Indian Contexts Debkumar Chakrabarti (Indian Institute of Technology Guwahati, India)

	Apply the Combination of Anthropometric Health Indicators and Sheldon's Somatotype in Health Promotion Wen-Ko Chiou, Ming-Hsu Wang (Chang Gung University, Taiwan), Bi-Hui Chen (Chihlee Institute of Technology, Taiwan)
	The Friction and Wear Characteristics of Dental Alloy Metal Jong Hoon Kim, Hey Sil Kim, Sun Mi Choi, Chang Ju Lee, Wonsik Choi (Pusan National University, S. Korea)
	Influences of large flexible display curvature on legibility and visual fatigue Sungryul Park, Jihyeon Yi, Donghee Choi, Gyounhyung Kyung (UNIST, S. Korea), Seungbae Lee, Byeonghwa Choi (Samsung Display Co., Ltd, S.
	Development of the standard based on Korean Anthropometry Data Youngsuk LEE (The University of Chonnam, S. Korea)
	Make Product Alive: Applying Emotional Design in Health Care Products Dosun Shin, Zheng Wang (Arizona State University, USA)
<b>Ballroom 3</b>	<b>Industrial Safety I Chair Debkumar Chakrabarti Co-chair Wondea Jung</b>
	Physical Workload and Rest Time Measurement of Ethoxylate Section Operator Yayan Harry Yadi (University of Sultan Ageng Tirtayasa, Indonesia), Wyke Kusmasari (University of Serang Raya, Indonesia)
	A Survey of Data-based Human Reliability Analysis Approaches Yochan Kim, Jinkyun Park, Wondea Jung (Korea Atomic Energy Research Institute, S. Korea)
	Symbolic Indicators and User Perception Performance in Indian Industries and Public Places Rauf Iqbal, Hiren Shah, Amitabha De and Suman Mukhopadhyay (National Institute of Industrial Engineering, India)
	Investigation of Work-Related Muscular Pain among Women Handloom Weavers of Assam A State of North- East India using REBA Method Sangeeta Pandit (Indian Institute of Information Technology, India), Debkumar Chakrabarti (Indian Institute of Technology Guwahati, India)
<b>Ballroom 4</b>	<b>Nuclear Safety Culture Workshop III organized by KAERI (Open to Public)</b>
	Safety Leadership, Teams and Safety Culture Germaine Watts (IOS)
	System Dynamics Modeling, Analyzing for Safety Culture Tae-hoon Moon (CAU)
<b>Mara</b>	<b>Interaction and Interface Design Chair Pei-Luen Patrick Rau Co-chair Younghwan Pan</b>
	Smart Television Interaction Design Guideline and Evaluation Pei-Luen Patrick Rau, Yubo Zhang (Tsinghua University, China), Sheau-Farn Max Liang (National Taipei University of Technology, Taiwan)
	Development of a Patient Education and Consultation Mobile Application for Implant Dentistry Erokan Canbazoglu, Yucel Batu Salman (Bahcesehir University, Turkey), Hong-In Cheng (Kyungsoong University, S. Korea)
	A Study on Private SNS (Social Networking Service) Interaction Features Cheongah Kim, Jaeyeon Yoo, Younghwan Pan (Kookmin University, S. Korea)
	Curvature and Hand Comfort for Unimanual Operations Sung Hee Ahn, Sanghyun Kwon, Yu Shin Lee, Myung Hwan Yun (Seoul National University, S. Korea)

	Empirical Characterization of Natural Hand Motion in Pointing Tasks at Large Displays Heejin Kim, Seungjae Oh (Pohang University of Science and Technology, S. Korea), Min K. Chung (National Research Foundation of Korea, S. Korea), Sung H. Han (Pohang University of Science and Technology, S. Korea)
	Evaluation of Flick-motion based Representation used for Presenting Japanese Kana Characters by Tactile Information Display Device Kentaro Kotani, Hiroki Sato, Satoshi Suzuki, Takafumi Asao (Kansai University, Japan)
<b>Conference Lobby</b>	<b>Posters Session I Chair Sangwoo Bahn</b>
	A study on the effects of display curvature on postural control Jihhyeon Yi, Sungryul Park, Donghee Choi, Gyouhyung Kyung (Ulsan National Institute of Science and Technology, S. Korea)
	A study on job stress of shipbuilding design workers Hoon Yong Yoon (The University of Dong-A, S. Korea), Young-Dae Jung (STX Institute of Technology, S. Korea), Su-Min Yoon (The University of
	Developing a co-creation framework with product design and innovation: an investigation of ITC firms Yen Hsu (Tatung University, Taiwan)
	Effects of Job Stress on Work-Related Musculoskeletal Disorders in Heavy Industry for Three Years Hyosu Kim, Yuchang Kim, Daesu Kim, Kyunghwan Park (Dong-Eui University, S. Korea)
	A Study on Emotional Classification Algorithm using Vibraimage Technology Jinhee Park, Kwan Choi, Sungteak Hwang (Vibrasystem Co. Ltd., S. Korea)
	The Change of Driving Performance due to Unexpected Situations during Driving with Secondary Tasks Jung-chul Lee, Sang-pyo Hong, Ul-ho Jeong, Mi-hyun Choi, Hyung-sik Kim, Soon-cheol Chung (Konkuk University, S. Korea)
	Study on the Product Design of Assistive Devices for Disabled Children through Service Design Methodology (With focus on the exploration of user needs through observational methods for service design) Suhyun Baek (Department of Consulting, Graduate School of Consulting, Kumoh National Institute of Technology, S. Korea), Sunah Kim (Department of Industrial Design Engineering, Kumoh National Institute of Technology, S. Korea), Jungyoon Ahn (Department of Industrial Design
	A Serendipity-Oriented Music Recommendation System Using Artificial Neural Networks Taehyun Ha, Sangwon Lee (Hanyang University, S. Korea)
	Field Assessment of CamouLED : The Effectiveness of Real-time Generation of Pixel Pattern for Camouflage Hannah Kim, Woon Jung Cho, Kwang-Hee Han (Yonsei University of Korea, S. Korea)
	Selection and Classification of Smart TV Functions based on Gesture Interface Taebeum Ryu, Yohan Park, Woojin Park (Hanbat National University, S. Korea)
	Cerebral Activation Associated with Sexual Arousal in Individuals with High Rates of Sexual Behavior Ji-Woo Seok, Young-Ji Eum, Eun-Ye Kim, Jang-Un Jung (Chungnam National University, S. Korea), Jihye Noh (Korea Basic Science Institute, S. Korea), Jin-hum Sohn (Chungnam National University, S. Korea)
	A Study on Improvement of Horseback Riding Pants Anrye Lee, Badmaanyambu Sarmandakh, Sookhee Kwon (Jeju National University, S. Korea)
	UX(User eXperience) Profiling based on Demographic Indicators in Health Park Service for Service Prototyping Songyi Kim, Youngchoong Park, Jonhwha Kim, Byoungha Park, Yongseong Kim, Seong-Dong Kim (Korea Electronics Technology Institute, S. Korea)

	A New Grasp Coding Method for Smart Devices Songil Lee, Gyouhyung Kyung (UNIST, S. Korea)
	Fish Pellet(whey based) Machine Design for SMEs Wina Libyawati, HasanHariri (University of Pancasila, Indonesia)

<b>15:00~15:30</b>	<b>Coffee Break</b>
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<b>15:30~17:00</b>	
<b>Ballroom 1</b>	<b>JES ESK Joint Session III Performance Evaluation Chair Kentaro Kotani Co-chair Sung-Phil Kim</b>
	Cognitive Characteristics of Directional Judgment Through Binocular Disparity on a Virtual Tilted Screen Sanghyun Kim, Harumi Itaoka, Hiroyuki Morikawa, Reiko Mitsuya, Takashi Kawai (Waseda University, Japan), Katsumi Watanabe (University of
	A Study on Difference of Affective Response to Haptic Feedback according to Mode of Haptic Joobong Song (Seoul National University, S. Korea), Jihyoun Lim (Hongik University, S. Korea), Wonjoon Kim, Soochan Jee (Seoul National University, S. Korea), Noh-Hoon Park (Daesung Electric Co., S. Korea), Myung Hwan Yun (Seoul National University, S. Korea)
	Mental workload of in-vehicle device operation by eye gazing for head-up display Daiki Kanda, Yasuhiro Tsukamoto, Takafumi Asao, Satoshi Suzuki, Kentaro Kotani (Kansai University, Japan)
	Evaluation of Spatial Distribution of Tactile Sensitivity on the Palm for Developing Tactile Interface Kensuke Takenkaka, Akihito Jinnai, Kentaro Kotani, Satoshi Suzuki, Takafumi Asao (Kansai University, Japan), Asuka Otsuka, Seiji Nakagawa (National Institute of Advanced Industrial Science and Technology (AIST), Japan)
	Effects of Seat Inclination on Respiratory Function in Children with Spastic Cerebral Palsy: Preliminary Results Hwa-Kyung Shin, Eun-Jin Byeon (Catholic University of Daegu, S. Korea), Seok Hun Kim (University of South Florida, USA)
<b>Ballroom 2</b>	<b>(Invited Session) Japan Society of Physiological Anthropology I Chair Miwa Nakanishi Co-chair Shuping Xiong</b>
	Ergonomic Study of Mattress Firmness by Measuring Spinal Curve and Sleep Quality Tetsuo Katsuura, Masaki Teshima, Yali Xia, Soomin Lee, Yoshika Takahashi (Chiba University, Japan), Ikuo Asai (Maruhachi Product Co., Ltd., Japan), Yoshihiro Shimomura (Chiba University, Japan)
	Deformation of Median Nerve during Active and Passive Wrist Holding at Proximal Carpal Tunnel Ping Yeap LOH, Satoshi MURAKI (Kyushu University, Japan)
	Elucidation of the Mechanism Forming Attachment for Products and Services: Physiopsychologically Evaluating the Emotion of Attachment Moe Watanabe, Miwa Nakanishi (Keio University, Japan)
	Evaluation of comprehensibility of newly introduced water-sport prohibitive signs in Korea Woojoo Kim, Yohana Siswandari, Shuping Xiong (Ulsan National Institute of Science and Technology, S. Korea)
	Use of antagonist muscle EMG in the assessment of neuromuscular health of the low back Nakyung Lee, Gwanseob Shin, Hwayeong Kang (Ulsan National Institute of Science and Technology, S. Korea)
<b>Ballroom 3</b>	<b>(Invited Session) Service Systems Design and User Behaviors and Experiences Chair Joe Lin</b>

	Service Experience and Design- A Preliminary Survey Study Kung-Jeng Wang, Jyun-Lin Chen, Yu-Siang Lin (National Taiwan University of Science and Technology, Taiwan)
	Developing Interaction Specifications for Online-to-offline (O2O) Proximity Commerce Systems Cheng-Jhe Lin, Chiuhsiang Joe Lin, Tsai-Ting Lee (National Taiwan University of Science and Technology, Taiwan), Jing-Ming Chiu(Institute for
	Behavioral Based Safety Implementation to Improve Industrial Safety in Taiwan Local Industries Shu-Chiang Lin, Guanhuah Chen, Ilma Mufidah (National Taiwan University of Science and Technology, Taiwan)
	Enhancing Elderly Long-Term Care Service Using Kinect Exergame Tien-Lung Sun, Ta-Min Hung, Chien-Hua Huang (Yuan-Ze University, Taiwan), Chia-Hsuan Lee, Chun Pei (Nan Kai University of Technology,
	How Accurate is Distance Estimation in Virtual Reality Displays? Chiuhsiang Joe Lin, Retno Widyaningrum (National Taiwan University of Science and Technology, Taiwan), Bereket Haile, Sri Gunani Partiw (Institut Teknologi Sepuluh Nopember, Indonesia)
	Exploring Taiwan Government's Safety Culture Improvement Program in Local Metal Industry through Questionnaire Evaluation and Workers' Background Influence Identification
<b>Ballroom 4</b>	<b>Nuclear Safety Culture Workshop IV organized by KAERI (Open to Public)</b>
	DevonWay Case: Culture Way - Advances Safety Culture Process Management Sally White
	Safety Culture in Aviation Industry Cheon-yong Kim (HWU)
	Approach to Safety Culture Promoting Activities in Japan Hiroko Koike (NRA)
	Approach to Safety Culture Promoting Activities in Japan Hiroko Koike (NRA)
<b>Mara</b>	<b>Biomechanics Chair Myung-Chul Jung Co-chair Tansha Muwarman</b>
	Pattern Changes of Finger Joint Angle by Object Properties During Gripping Kyung-Sun Lee, Myung-Chul Jung (Ajou University, S. Korea)
	Symmetrical Load Lifting beside the Body Compared to in Front of the Body: Investigation of Low-back Loading, Muscle Activity and Foot Balance Murali Subramaniam, Seung Nam Min, Heeran Lee (Korea Research Institute of Standards and Science, S. Korea), Sangho Park(Chungnam National University, S. Korea), Se Jin Park (Korea Research Institute of Standards and Science, S. Korea)
	A Design of Pliers in the Maximum Gripping Tasks Yong-Ku Kong, Hyun-Sung Kang, Dae-Min Kim, Kyeong-Hee Choi (Sungkyunkwan University, S. Korea)
	Ergonomics Design Evaluation of Trigger Firearm Handgun Maya Arlini Puspasari, Boy Nurtjahyo Moch., Erlinda Muslim, Tansha Muwarman (Universitas Indonesia, Indonesia)
<b>Udo</b>	<b>Industrial Safety II Chair Jung-Keun Park Co-chair Wyke Kusmasari</b>
	A Review on Occupational Safety and Health Activities Conducted under ILO/Korea Partnership Program across Countries in Asia Jung-Keun Park (Korea Occupational Safety and Health Agency, S. Korea), Ton That Khai (Independant Professional on Occupational Safety and



	A Study for Reducing Human Errors by Customizing Safety Training Suin Park (Samsung Electronics, S. Korea)
	Blasting Dust Influences to Employee Health in Pipe Industry Wyke Kusmasari, Nikmatulloh (University of Serang Raya, Indonesia)
	Application of Well-balanced Work Scheduling for Prevention of Work-related Musculoskeletal Disorders in an Automotive Parts Assembly Line Minyong Park, WonkyoungShin (Hanyang University, S. Korea)
<b>Conference Lobby</b>	<b>Posters Session II Chair Taebeum Ryu</b>
	Consideration of Human Factors Engineering in Designing Research Reactors Seung-ki Shin, Sang-moon Seo, Yong-suk Suh (Korea Atomic Energy Research Institute, S. Korea)
	Legibility of Korean Text by the Elderly in a Short Period of Time Seung-Kweon Hong (Korea National University of Transportation, S. Korea)
	Size Korea Database Usability Improvement through Survey and In-depth Interviews Se Jin Park, Seung-Nam Min, Murali Subramaniam, Heeran Lee (Korea Research Institute of Standards and Science, S. Korea)
	Intelligent Coolness Knitted Fabric with Moisture Responded Transformable Property Kyoung Heo(Yeungnam University, S. Korea), Hyun Ah Kim (Korea Research Institute for Fashion Industry, S. Korea), Seung Jin Kim (Yeungnam
	UX(User eXperience) Profiling based on Demographic Indicators in Health Park Service for Service Prototyping Songyi Kim, Youngchoong Park, Jongwha Kim, Byoungha Park, Yongseong Kim, Seong-Dong Kim (Korea Electronics Technology Institute, S.
	A Comparative Analysis of Emotional Response from Different Age Groups to Changes to Color Temperature and Illuminances in General Diffused Lighting in Study Rooms
	A Fundamental Study of Ship Navigator's Workload Assessment Seung-bin Oh, Jun-Hyuk Jang, Hongtae Kim (Korea Research Institute of Ships & Ocean engineering, S. Korea)
	Development of Pesticide Proof Clothing with Retro-reflective function Young-Soon Oh, Kyung-Suk Lee, Hye-Seon Chae, Kyung-Ran Kim, Sung-Woo Kim (National Academy of Agricultural Science, RDA, S. Korea)
	A Study on Brain Activations induced by the Cognition of Driving Speed Mi-hyun Choi, Hyung-sik Kim, Hyun-Joo Kim, Na-Rae You, Ji-Hye Baek (Konkuk University, S. Korea), Byung-Chan Min (Hanbat National University, S. Korea), Soon-Cheol Chung (Konkuk University, S. Korea)
	Evaluation of preferred lumbar support height and prominence in seat design Jae Hee Park, Seung Hee Kim, Sung Peel Cho (Hankyong National University, S. Korea)
	Body Pressure Distribution Analysis and Satisfaction of Human Sensibility of Using BackJoy Kwangoh Kim, Jungmin Yun, Sungyong Ahn, Peom Park (Ajou University, S. Korea)
	A Proposal of the Next-Generation Voice Interface Evaluation Model in the Vehicle Environment through a Case Study Kidong Kang, Sungyong Ahn (Graduate School of Ajou University, S. Korea), Peom Park (Ajou University, S. Korea)
	Interpretation Difference to Ambiguous Information among Individuals with Major Depression Young-Ji Eum (Chungnam National University, S. Korea), Sook-Hee Kim (Wonkwang University, S. Korea), E-Nae Cheong, Jin-Sup Eom, Jin-Hun Sohn (Chungnam National University, S. Korea)

	Enhanced anterior cingulate activation in alcoholics when exposed to angry faces Mi-Sook Park (Chungnam National University, S. Korea), Sook-Hee Kim (Wonkwang University, S. Korea), Ji-Eun Park, Sunju Sohn, Jin-Hun Sohn (Chungnam National University, S. Korea)
	An Assessment Protocol on Accessibility of Smart-Home Environment for People with Disability Jeonghyun Kim, Jongbae Kim, Myoungjun Lim, Hyosoon Kwon, Heesuk Lee, Kyungsun Pyo (Korea National Rehabilitation Research Institute)
	Characterizing wooden texture using the affective engineering approach Mio Ikeda (Graduate School of Industrial Technology, Nihon University, Japan), Takashi Torizuka (Nihon University, Japan)
	Electromyography Analysis of Marathon Shoes Applied to NESTFIT Technology SEUNG BUM PARK (Footwear Industrial Promotion Center, S. Korea)

<b>17:00~18:00</b>	
<b>Ballroom 1</b>	<b>ESK General Assembly (ESK member only)</b>

<b>Ballroom 2</b>	<b>KOSES General Assembly (KOSES member only)</b>
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<b>18:00~19:00</b>	<b>Coffee Break Conference Lobby and Banquet Preparation</b>
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<b>19:00~21:00</b>	
<b>Ballroom</b>	<b>Conference Banquet Chair Jae Hee Park Co-chair Byung Chan Min Banquet Keynote by Dr. Hun Ki Baek President KOSHA TITLE Best Paper Awards and Welcome Speech by Dr. Jung Yong Kim former President ESK ACED 2014 Banquet Performance arranged by Professor XXX Jeju National University ESK Ergonomic Design Awards by Dr. Bum Park Professor Ajou University</b>

## Friday, May 23, 2014

<b>8:30~10:00</b>	
<b>Ballroom 1</b>	<b>ACED Special Workshop Young Researchers Forum</b>
<b>Ballroom 2</b>	<b>(Invited Session) Japan Society of Physiological Anthropology II Chair Byung-Chan Min Co-chair Kiyotaka Fukumoto</b>
	The Effects of Touch Button Size to the Operability of Touchscreen Jinghong Xiong, Satoshi Muraki (Kyushu University, Japan), Kiyotaka Fukumoto (Shizuoka University, Japan)
	Effect of Empathy Trait on Attention to Faces: Evidence from N170 Damee Choi (Kyushu University, Japan), Takayuki Nishimura (Nagasaki University, Japan), Midori Motoi, Yuka Egashira, Riko Matsumoto, Shigeki Watanuki (Kyushu University, Japan)

	The Effect of Texting Using a Smart Phone While Driving on Drivers Sang-Hyeok Seo, Seung-Hyun Kwak (Hanbat National University, S. Korea), Hyung-Sik Kim, Soon-Cheol Chung (Konkuk University, S. Korea), Doo-Hwan Ji (Korea Institute of Energy Research, S. Korea), Jin-Kyu Kang, Byung-Chan Min (Hanbat National University, S. Korea)
	The Influence of Laterality during Gait Cycle on Manual Pushing Kadek Heri Sanjaya, Yoshika Takahashi, Soomin Lee, Yoshihiro Shimomura, Tetsuo Katsuura (Chiba University, Japan)
	Effects of Seat Inclination on Respiratory Function in Children with Spastic Cerebral Palsy: Preliminary Results Hwa-Kyung Shin, Eun-Jin Byeon (Catholic University of Daegu, S. Korea), Seok Hun Kim (University of South Florida, USA)
	Development of Neural Indices from the Human Encephalography to Evaluate TV Commercials Tae-Yang Yang, Do-Young Lee, Sung-Phil Kim (Ulsan National Institute of Science and Technology, S. Korea)
<b>Ballroom 3</b>	<b>Affective Engineering and Design Chair Youngshin Kwak Co-chair Rosemary R. Seva</b>
	Study on Comparison of Structure of Color Sensibility Adjectives Hanna Kim, Jinsook Lee (ChungNam National University, S. Korea)
	Emotion and Fuzzy Mood Dong Hwa Kim (Hanbat National University, S. Korea), S.Nair (Indian Institute of Technology, India)
	The Relationship between Color Hue-Tone and Character Emotions in the Film, "Les Misérables" Yu-Jin Kim (Kongju National University, S. Korea)
	An Optimal Comfort Indoor Environment Based on the LED Illumination and PMV Index Using Physiological Indicators for Energy-saving Building Hyungsun Kim, Jinho Kim (Kongju University, S. Korea), Hyungsik Kim (Nation Education Training Institute, S. Korea), Gongjo Lee (Catholic
	The Effects of Neighboring Colors on Affectivity Semin Oh, Youngshin Kwak (UNIST, S. Korea)
	Affective Attachment to Ecological Consumer Products Alma Maria Jennifer A. Gutierrez, Rosemary R. Seva (De La Salle University, Philippines)
<b>Ballroom 4</b>	<b>Nuclear Safety Culture Workshop V organized by KAERI (Open to Public)</b>
	Development of a Public Monitoring System and Competency Enhancement Technologies for Strengthening Korean Safety Culture in Nuclear Organizations
	Korean Inherent Safety Culture Models Yeong-min Oh (SUNY-K)
	Integrated Public Communication Strategies for Safety Culture Dong-seop Han (HYU)
	Safety Culture Impact Index Model Moo-seong Je (HYU)
	Safety Culture Monitoring Indicators and Monitoring System Tong-il Jang (KAERI)
<b>Mara</b>	<b>Ergonomic Evaluation Chair Ibrahim, N.I. Co-chair Kyung Tae Lee</b>

	Is the Mobile Touch Device a Good Tool to Learn Chinese? Zhe Chen, Bumsuk Kim, Philipp Osterwald, Da Sun, Xuhui Liu, Yalong Chen, Constantin Siemons, Jean Elie Guillaume, Shuiping Chen, Liangliang Zhang, Karl Jesper Ornerud (Tsinghua University, China)
	Empathic Modelling in Product Design Engineering: Issues and Challenges Ibrahim, N.I. (University of Malaysia Perlis, Malaysia)
	Development of agricultural task assessment in Korea Dae-Min Kim, Kyeong-He Choi (SungKyunkwan University, S. Korea), Kyung-Ran Kim (Rural Development Administration, S. Korea), Yong-Ku Kong (SungKyunkwan University, S. Korea)
	Differences of Spatial Compatibility among Korean, Chinese, and Japanese in the Traditional Gas stove with four burners and controls Kyung Tae Lee (Sehan University, S. Korea)
	Exploring the Roles of Lighting in Human-Product Interaction Da-Eun Jun, Chajoong Kim, Youngshin Kwak (UNIST, S. Korea)
	How User's Emotions will Contribute to the Overall Satisfaction of Using the Product? Sang Hoon Jeong (Mokwon University, S. Korea)
<b>Conference Lobby</b>	<b>Posters Session III Chair Hong In Cheng</b>
	A Framework to Develop E-Learning Contents of Agricultural Safety Kyung-Sun Lee (Ajou University, S. Korea), Sung Pill Jo (Hankyong National University, S. Korea), Kyeong-Hee Choi (Sungkyunkwan University, S. Korea), Inseok Lee (Hankyong National University, S. Korea), Yong-Ku Kong (Sungkyunkwan University, S. Korea), Kyung Suk Lee (Rural Development Administration, S. Korea), Myung-Chul Jung (Ajou University, S. Korea)
	Development of multi-purpose rollator for elderly farmers Min-Tae Seo, Kyung-Ran Kim, Hye-Seon Chae, Sung-Woo Kim, Yoon-Suk Park, Cheol-Min Lim, Kyung-Suk Lee* (National Academy of Agricultural
	The effects of causal explanation about malfunction on product normality evaluation Guk-Hee Lee, Hyung-Chul O. Li, ShinWoo Kim (Kwangwoon University, S. Korea)
	User Analysis and Design of the pelvic airbag cushion system for absorbing falling impact energy Kwang Tae Jung, Sung Min Kim, Hwan Kim (Koreatech, S. Korea), Keyoung Jin Chun, Jae Soo Hong (Korea Institute of Industrial Technology, S.
	Kinematic Analysis of the Wrist and Elbow Motions of Grapes-Harvesting Tasks Jihye Kim, Inseok Lee, Sungpill Jo (Hankyong National University, S. Korea)
	The Effect of Plyometric Training on Physical Fitness and IGF- I in Middle-School Soccer Player Hyoungwook Tak, Seukhoon Kim, Yeongchan Ko, Youngpyo Kim (Jeju National University, S. Korea)
	A Study on Semantic Structure of Human Emotions: How to Make Comprehensible Code for Information Abstraction Sang Ho Kim, Hyun Soo Lee (Kumoh National Institute of Technology, S. Korea)
	The Study on Korean Adolescent Boys' Hand Development Hyunsook Kim (Dept. of Clothing & Textiles, Yonsei University, S. Korea), Jongsuk Chun (Professor Dept. of Clothing & Textiles, Yonsei University,
	Ergonomic Interventions to Prevent Work-Related Musculoskeletal Disorders incurred by the Weight Lifting Tasks in Livestock Feed Manual Material Handling

	The Study of older driver characteristics at night or in the foggy using driving simulator Kyung-Im Choi, JuYoung Kim, Wookyung Hwang, Woong-Won Park (Korea Transportation Safety Authority, S. Korea)
	Analysis on Acceleration Change and Angle Change of Human Low Limbs according to Slipping Speeds, when Falling Jaesoo Hong, Hyoungin Choi, Keyoungjin Chun (Korea Institute of Industrial Technology, S. Korea)
	Ergonomic Pattern Development Method Using 3D Body Scan Surface Data with Lines of Curvature Intersection (LoCI) Minji Lee, Jongsuk Chun (Yonsei University, S. Korea), Jungwoo Jee (EFCRC, S. Korea)
	Developing a Quantitative Performance Model of the Use of Adaptive and Adaptable Menu Interfaces Jungchul Park (Korea National University of Transportation, S. Korea)
	The development of upper extremity model for kinematic analysis Jae-Ho Kim, Kyung-Sun Lee, Myung-Chul Jung (Ajou University, S. Korea)
	Affective Quality Improvement of Door Opening Alarm Sound for Refrigerator Jaein Lee, Jae Hee Park (Hankyong National University, S. Korea), Kwang Tae Jung (Korea University of Technology and Education, S. Korea)
	The study on body part discomfort of dental hygienist according to work environment HyunKyung Kang (Silla University, S. Korea), HoonYong Yoon (Dong-A University, S. Korea)
	A Study on Appropriate Color Temperature and Illumination in Reading according to Different Paper Characteristics Jiyoung Park, Jin-Sook Lee, Eunji Seo, Chanung Jeong (Chungnam University, S. Korea)
	Evaluation of Different Work-Rest Schedules of Repetitive Tasks based on EMG Inseok Lee, Sung PillJo (Hankyong National University, S. Korea)
<b>10:00~10:30</b>	<b>Coffee Break</b>
<b>10:30~12:00</b>	
<b>Ballroom 1</b>	<b>Keynote Speech Ballroom 1 Chair Sung H. Han Co-chair Myung Hwan Yun</b> <b>Keynote Speech I by Dr. Kazuo Aoki President Japan Ergonomics Society TITLE</b> <b>Keynote Speech II by Dr. Min Keun Chung President National Research Foundation of Korea TITLE</b> <b>Keynote Speech III by Dr. Rosemary R. Seva President Philippine Ergonomics Society TITLE</b>
<b>12:00~13:30</b>	<b>Lunch Break</b>
<b>13:30~15:00</b>	
<b>Ballroom 1</b>	<b>(Invited Panel Discussion) Current issues to be solved by HFE discipline in Asia Chair Kentaro Kotan</b>
	Evolution of Ergonomics as a Discipline in South Korea Myung Hwan Yun (Seoul National University, S. Korea)
	Trend of the research theme in ergonomics of Japan -Based on the Japanese Journal of Ergonomics- Yoshinori Horie (Nihon University, Japan)

	Current issues to be solved by HFE discipline in Taiwan Cheng-Jhe Lin (NTUST, Taiwan)
	Does Human Factors/Ergonomics Contribute to the Quality of Life of Chinese? Patrick Rau (Tsinghua University, China)
<b>Ballroom 2</b>	<b>(Invited Session) Japan Society of Physiological Anthropology III Chair Kyong-Ho Kim Co-chair Akira Yasukouch</b>
	The Study on the Prediction of Driving-Workload Using the DWPT in Curve Section: Local Road and Urban Road Yoonsook Hwang, Daesub Yoon, Hyunsuk Kim, Hyunsuk Kim, Kyong-Ho Kim (ETRI, S. Korea)
	Characteristics of Reaction of Salivary $\alpha$ -amylase to Duty Hours by Ages of Hospital Nurse SangHyeok Seo, Seung-Hyun Kwak (Hanbat National University, S. Korea), Hyung-Sik Kim, Soon-Cheol Chung (Konkuk University, S. Korea), Jin Kyu Kang (Hanbat National University, S. Korea), Hee Sook Sim, YoungSoon Sung (Chungnam National University, S. Korea), ByungChan Min
	The Changes of ANS Responses due to the Color Temperature of LED Lighting Young-Chang Lee, Yoon-Ki Min, Hyun-Jin Lee, Young-Woo Jeon, Song-Hee Kim, Yu-Kyoung Kim (Chungnam National University, S. Korea), Byung-Chan Min, Sang-Hyeok Seo (Hanbat National University, S. Korea), Boseong Kim (Dong-Eui University, S. Korea)
	The Effects of RGB Wavelength of Polychromatic LED Light Sources on Melatonin Suppression Saki Tanaka, Akira Yasukouchi (Kyushu University, Japan)
	Adaptive Driving Assistant System for Elderly Driver Considering Individual Characteristics Seunghee Hong, Keisuke Suzuki (Kagawa University, Japan), Byungchan Min (The National University of Hanbat, S. Korea), Shun'ichi Doi (Kagawa
<b>Ballroom 3</b>	<b>Gesture Interface Chair Seongil Lee Co-chair Miguela M. Mena</b>
	Relative Pointing: a New 3D Pointing Gesture Interface Mingyu Lee, Hojin Lee, Eunjung Choi (POSTECH, S. Korea), Min K. Chung (National Research Foundation of Korea, S. Korea), Sung H. Han
	A Study on the Visual Feedback of Gesture Interaction in an Automobile Seungmin Yang, Hyungmin Kim, Younghwan Pan (Kookmin University, S. Korea)
	Developing Gesture Vocabularies for a Smart Home Dong Yeong Jeong, Eunjung Choi, Heejin Kim, Bora Kang, Mingyu Lee, Seungjae Oh, Hanul Bang (POSTECH, S. Korea), Min K. Chung (National Research Foundation of Korea, S. Korea), Sung H. Han (POSTECH, S. Korea)
	A Comparative Study of Handheld Devices and Freehand Gestures according to the Smart TV controls Eunyoung Noh, Sangmin Kim, Solah Lee, Seungbin Yim, Seongil Lee (The University of SungKyunKwan, S. Korea)
	Developing a User-Centered Toolfor the Holistic Evaluation of Destination Websites Charles Ruel Novabos,Aura C. Matias, Miguela M. Mena (University of the Philippines Diliman, Philippines)
	Characteristics of Preferred Gestures for Home Appliances and Devices: Age Differences Hanul Bang, Eunjung Choi, Heejin Kim, Bora Kang, Mingyu Lee, Dong Yeong Jeong, Sung H. Han, Seungjae Oh (Pohang University of Science and Technology, S. Korea), Min K. Chung (National Research Foundation of Korea, S. Korea)
<b>Ballroom 4</b>	<b>Nuclear Safety Culture Workshop VI organized by KAERI (Open to Public)</b>
	Safety Culture Assessment System Pung-hyeon Sung (KAIST)

	Safety Culture Competency Management System and Training Toolkit Sa-kil Kim (KAERI)
	Safety Culture Competency Support Systems Yeon-ju Oh (KAERI)
<b>Mara</b>	<b>Usability and User Experience Chair Miguela M. Mena Co-chair Kuo-Chen Huang</b>
	A Literature Survey on the Sensor Technologies for Context Awareness Kyungmin Choi, Sung H. Han ,Heekyung Moon, Joohwan Park, Hyun K. Kim (POSTECTH, S. Korea)
	Remote usability test by personal LTE service Dongjin Kim, Mina Lim, Yunhee Na (LG U+, S. Korea)
	A study on the Comparison of Real and VR 3D Simulated Rubik's Cube Game Performance Wen-Te Chang, Kuo-Chen Huang (Ming Chuan University, Taiwan), Chan-Li Lin (National Taipei University of Education, Taiwan)
	A Service Design Model for Tailor-made Suit Business Yitong Liu, Younghwan Pan (Kookmin University, S. Korea)
	Estimating Particular Preferences from Behavioral Characteristics: Case of Repertoires of Karaoke Songs Mikako Ishida (Keio University, Japan)
	Development of a New Method based on a 3D Hand Gesture Taxonomy for Analyzing User-Preferred Gestures Eunjung Choi, Bora Kang, Mingyu Lee, Seungjae Oh, Heejin Kim, Dong yeong Jeong, Hanul Bang (Pohang University of Science and Technology, S. Korea), M. K. Chung (National Research Foundation of Korea, S. Korea), S. H. Han (Pohang University of Science and Technology)
<b>Udo</b>	<b>Psychophysiological Measurement and Assessment Chair Mincheol Whang Co-chair Eui Chul Lee</b>
	Evaluation of Social Relationship between Two Persons using Micro-movement in Vestibular system Sung Teac Hwang, Sangin Park, Myoung Ju Won (Sangmyung University, S. Korea), Kwan Choi (Vibrasystem Co. Ltd., S. Korea), Mincheol Whang (Sangmyung University, S. Korea)
	Pupil response of Hidden Emotion Hye Jin Lee, Jin-Cheol Woo, Chijung Kim, Eui Chul Lee (Sangmyung University, S. Korea)
	The Effect of Teacher's Emotional Expression on Status of Children Group Seung-Seob Shin, Woo-Ri Lee (Sangmyung University, S. Korea), Jung-Nyun Lee (DMC Research Center, S. Korea), Yu-Jin Lee, Min-Cheol Whang (Sangmyung University, S. Korea)
	Analysis of Cardinal Direction Visibility by using the Pairwise Comparison Minju Kim, Kazunari Morimoto, Noriaki Kuwahara (Kyoto Institute of Technology, Japan)
	Personalized Activity Tracking System: Improving Situation Awareness for Anesthesiologist's Task within the Surgical Team Lisa Wiyartanti, Myonwoong Park, Gyuhyun Kwon (Korea Institute of Science and Technology, S. Korea)
	Does Empathy Affect Heart Rhythm Pattern between Persons? Sungjin Lim, Sngin Park, Myoungju Won, Mincheol Whang (Sangmyung University, S. Korea)
<b>Conference Lobby</b>	<b>Posters Session IV Chair Jihyun Yang</b>

	Development of Fruit Harvest Basket and Assessment of its Effectiveness Cheolmin Lim, Kyungsuk Lee, Kyungran Kim, Hyocher Kim, Sungwoo Kim, Mintae Seo, Hyeseon Chae (RDA, S. Korea)
	A Study on Smart Home Services and Devices : Current Features and Perspectives Hyo Chang Kim, Sang Min Ko, Yong Gu Ji (Yonsei University, S. Korea)
	Effectiveness Evaluation on Human Engineering Part in Wolsong 1 Stress Test Byung Do Ko, Jehun Kim, Jonghyun Youn(KHNP Central Research Institute, S. Korea)
	Development of a Fingertip vibrotactile stimulator for fMRI study Hyung-Sik Kim, Mi-Hyun Choi, Sung-Jun Park, Ul-Ho Jeong, Jung-Chul Lee, Na-Rae You (Konkuk University, S. Korea), Byung-Chan Min (Hanbat National University, S. Korea), Soon-Cheol Chung (Konkuk University, S. Korea)
	Cognitive performance by highly concentrated oxygen in children with Attention Deficit Hyperactivity Disorder Hyun-Joo Kim, In-Hwa Lee, Mi-Hyun Choi, Na-Rae You, Ji-Hye Baek, Hyung-Sik Kim, Soon-Cheol Chung (Konkuk University, S. Korea)
	Fundamental study on the danger of walking while carrying out a smartphone MaiIshibashi, Yoshinori Horie (Nihon University, Japan)
	Brain Activity during Observation of Another Person's Hand Action with a Tangible User Interface Shigekazu Higuchi, Kana Sueyohi (Kyushu University, Japan), Kazuo Isoda, Ichiro Hisanaga (Dai Nippon Printing Co., Ltd., Japan), Stéphanie Orlic (Musée du Louvre, France), Yeon-Kyu Ki (Kyushu University, Japan)
	Analysis design guidelines for development of height adjustable washbasin Hyoung-In Choi, Jeasoo Hong (Korea Institute of Industrial Technology, S. Korea)
	Study of joint moment and electromyogram of lower limb for development of height adjustable washbasin Hyoung-in Choi, Jeasoo Hong (Korea Institute of Industrial Technology, S. Korea)
	The effect of the Foot Pressure between Skilled and Unskilled During Tee Ball Batting Gun woo Kim, Eun Young Park, Mi Kyong Jeon, Bo Seob Heo, Jeung Hyung Cho, Jeung Il Seo, Sung Hui Jeung, Na Ri Bae, Yong Jae Kim
	Development of preparation, effective tools for the child in hospital Junko Hattori, Miyuki Nishihara, Akemi Kumita (Aichi prefectual University, Japan), Akira Okazaki, Yuta Koma (Takusyoku University, Japan), Oh Gi-Dong (Tokyo Kasei Gakuin University, Japan)
	An Analysis of Events Caused by Human Performance Errors in Nuclear Power Plants in 2013 Jonghyun Youn, Jungjin Park, Jehun Kim (KHNP Central Research Institute, S. Korea)
	An Analysis of Product Complexity Index: Focus on the relation between product architecture and structural complexity GwangKi Min, Eun Suk Suh (Seoul National University, S. Korea), Katja Hölttä-Otto (Singapore University of Technology and Design, Singapore)
	A comparison of DSM and node-link diagrams: which one is more cognitively difficult for users to understand a system? Dongwoo Kim, Eun Suk Suh (Seoul National University, S. Korea)

<b>15:00~15:30</b>	<b>Coffee Break</b>
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<b>15:30~17:00</b>	
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<b>Ballroom 1</b>	<b>(Invited Session) Hyundai Motors R&amp;D Center Chair Sunghyun Lim</b>
	How to Research User Experience issues in HMI Kwangmyung Oh, Sungjin Sah (HMC, S. Korea)
	Development of Hands-Free Tailgate System Activated by Movements Stepping on Laser Images Detected with Ultrasonic Sensors Youngwook Song, Kichang Yi, Hyung Shin (HMC, S. Korea)
	Development of the Intuitive Gesture Control System for the Panorama Sunroof Kichang Yi, Youngwook Song, Hyung Shin (HMC, S. Korea)
	Development of a Touch Screen Based Blind Control Interface for Operating Main Function of AVN/Air Conditioning System while Driving Gi Beom Hong, Jung Sang Min, Seok Young Youn (HMC, S. Korea)
<b>Ballroom 2</b>	<b>(Invited Session) Japan Society of Physiological Anthropology IV Chair Satoshi MURAKI Co-chair Joonwoo Sor</b>
	The Effects of Driving Style and Traffic Environment on the Real-World Fuel Consumption: A Cross-Cultural Analysis of Korean and UK Drivers Joonwoo Son, Taegeun Kim, Myoungouk Park, Kwanghee Won (DGIST, S. Korea), Stewart Birrell, Andrew McGordon (University of Warwick, UK)
	Age-Related Changes in Walking Motion of Japanese Females: Basic Analysis of Gait Motion Irma Nur AFIAH, Hiroki NAKASHIMA, Satoshi MURAKI (Kyushu University, Japan)
	Effect of Distraction Task on Driving Performance of Experienced Taxi Drivers Hyun-Jun Kim, Mi-Hyun Choi, Jung-Chul Lee, Sung-Jun Park, Ui-Ho Jeong, Ji-Hye Baek (Konkuk University, S. Korea), Byung-Chan Min (Hanbat National University, S. Korea), Dae-Woon Lim (Dongguk University, S. Korea), Soon-Cheol Chung, Hyung-Sik Kim (Konkuk University, S. Korea)
	Estimation of 13-18yrs Boys' Upper Body Shape in 3D Using Silhouette Image Youngsuk LEE (The University of Chonnam, S. Korea)
	Effects of a Vertical and Horizontal Console Position on Operator Muscular Stress During Ultrasonic Diagnosis Hiroyuki Suzuki, Takayoshi Saito (Hitachi Aloka Medical, Japan), Tetsuo Katsuura, Yoshihiro Shimomura (Chiba University, Japan)
<b>Ballroom 3</b>	<b>(Invited Session) Human Performance Chair Alan Chan</b>
	The Measurement Errors of Ear Canal Landmarks Chien-Yu Peng, Wen-Ko Chiou (Chung Gung University, Taiwan)
	The Association of Sleepiness and Traffic Accidents for Taxi Drivers in Hong Kong T.R. Zhang, A.H.S. Chan (City University of Hong King, Hong Kong)
	Interaction Effect of Working Memory Capacity and Load in an Error Detection Task Yau Sze Yuen, Simon Y. W. Li (Lingnan University, Hong Kong)
	Height Effect could be a Factor for the Musculoskeletal Disorder in Cleaning Occupation Ming-Hsu Wang, Wen-Ko Chiou (Chang Gung University, Taiwan), Bi-Hui Chen (Chihlee Institute of Technology, Taiwan)
	Judgment of Perceived Exertion by Facial Expression: Do Gender Difference? Ding-Hau Huang, Wen-Ko Chiou (Chung Gung University, Taiwan)
	Visualization for Body Health Classification and Management Strategies CHIOU WEN-KO, WANGMING-HSU (Chang Gung University, Taiwan)
<b>Ballroom 4</b>	<b>Nuclear Safety Culture Workshop VII organized by KAERI (Open to Public)</b>

	Safety LFA Program and Communication Support System Seong-nam Byun, KHU
	Dashboard and Process Management System for Safety Culture Monitoring Yong-seon Choi, IJU
	Safety Quality Assurance System Sang-mun Shin, DAU
	Hazards Analyzer for Safety Culture Yong-hee Lee, Gowon
	General Project Manager's Reflections and Closure Yong-hee Lee, KAERI
<b>Mara</b>	<b>Human Interface Design Chair DaYoung Ju Co-chair Mieko Ohsuga</b>
	The Perception of Robots in Everyday Life through Diary Method and Network Analysis Ik-pyo Hong, Ji Hyoum Lim (Hongik University, S. Korea)
	Behaviors of Using Information Technology in Vehicles Lin Wang, DaYoung Ju (Yonsei University, S. Korea)
	An Investigation of Tactile Recognition Performance on Tactons?™ Message Exchange Device Huang Hsinfu (Southern Taiwan University of Science and Technology, Taiwan), Tsai Wang-Chin (Fo Guang University, Taiwan)
	Exploration of Information Architecture for Speech Interface under Absence of Visual Information Sangmin Kim, Eunyoung Noh, Doojeong Kim, Seungbin Yim, Seongil Lee (The University of SungKyunKwan, S. Korea)
	Preliminary Study on Nonintrusive Measurement of ECG and Respiration while Sitting on a Chair for Human States Estimation Mieko Ohsuga, Hidenori Boutani (Osaka Institute of Technology, Japan)
<b>Conference Lobby</b>	<b>Posters Session V Chair Myung Hwan Yun</b>
	A study of digital signage design applied in design service conceptualisation model Yen Hsu (Tatung University, Taiwan)
	Ergonomic Interventions to Prevent Work-Related Musculoskeletal Disorders incurred by the Weight Lifting Tasks in Livestock Feed Manual Material Handling
	Emotional Aspects of Combination Colors by Natural Dyeing Eunjou Yi (Jeju National University, S. Korea), Ju-yeon Cho (Yuhan University, S. Korea)
	Color Characteristics of Naturally Dyed Silk fabrics According to Pantone Color Matching System An Rye Lee, Badmaanyambuu Sarmandakh, Eunjou Yi (Jeju National University, S. Korea)
	Color Emotion of Reddish and Yellowish Korean Traditional Colors by Natural Dyeing Ju-Yeon Cho (Yuhan University, S. Korea), Eunjou Yi (Jeju National University, S. Korea)
	A Study of the Conversion Method of the Emotional Dimension using the Relation between Arousal and Valence. EuiHwan Han, HyungTai Cha (The University of Soongsil, S. Korea)

	Evaluation of Balance Ability of Hemiplegic Patients Depending on the Use of an Elastic Band-type Ankle-Foot Orthosis Woosang Sim, Jonghyun Kim (Usability Evaluation R&D Center, Korea Institute of Industrial Technology, S. Korea), Seungyeop Lim (Apsun Inc., S. Korea), Byeonghee Won (Usability Evaluation R&D Center, Korea Institute of Industrial Technology, S. Korea)
	Lateral flow immune-sensor to measure human physiological stress in saliva Suji Choi, Jung-Hyun Lee, Hyo-Il Jung (Yonsei University, S. Korea)
	Development of a work analysis and improvement tool including MODAPTS Heungjae Cho, Jaeil Park (Ajou University, S. Korea)
	Analysis on Low body Joint angle of Hemiplegic patient by Wearing Newly Elastic band type Ankle Foot Orthosis in Gait Jonghyun Kim, Woosang Sim (Usability Evaluation R&D Center, Korea Institute of Industrial Technology, S. Korea), Seungyeop Lim (Apsun Inc., S. Korea), Byeonghee Won (Usability Evaluation R&D Center, Korea Institute of Industrial Technology, S. Korea)
	Effect of the LED Illumination and PMV Index on the Performance of Cognitive Tasks Hyungsun Kim, Jinho Kim (Kongju University, S. Korea), Heechang Jung (Yeungnam University Hospital, S. Korea), Ilkyung Chung (Catholic
	Development of Visual Object Search System based on Visual Cognitive Processing Eun-Hye Jang, Byoung-Jun Park, Sang-Hyeob Kim, Chul Huh (Biohealth IT Convergence Research Department, Electronics and Telecommunications Research Institute, S. Korea), Myung-Ae Chung (Future Technology Research Department, Electronics and Telecommunications
	A Basic Study on the Nighttime Scene Lighting Seonghui Kim, Jiyeong Park, Jinsook Lee (Chungnam National University of Korea, S. Korea)
	A study on the effects of display curvature on visual fatigue using eye tracking data Donghee Choi, Sungryul Park, Jinhyeon Yi, Gyouhyung Kyung (UNIST, S. Korea)
	Effects of Body Postures on Clothing Air Gap in a Protective Suit Jiyoung Choi (Seoul National University, S. Korea), Heejin Kim (Pohang University of Science and Technology, S. Korea), Yunja Nam (Seoul National University, S. Korea), Min K. Chung (Pohang University of Science and Technology, S. Korea), Hyunsook Jung (Agency for Defense Development, S. Korea), Haewan Lee (Agency for Defense Development, S. Korea)
	Three Emotions and Autonomic Nervous System Responses Byoung-Jun Park, Eun-Hye Jang, Sang-Hyeob Kim, Chul Huh, Myung-Ae Chung (Electronics and Telecommunications Research Institute, S. Korea)
	c-Fos expressions in the nucleus of the solitary tract following taste stimulation with salts in rats Un Jeng Kim, Yongho Kwak, Jeongsoo Han (Yonsei University, S. Korea), Jin-Hun Sohn (Chungnam Nat'l University, S. Korea), Shigeki Watanuki (Kyushu University, Japan), Bae Hwan Lee (Yonsei University, S. Korea)
	Compared of depth sense of an inter camera distance in stereo camera arrangement Dongsu Lee, Min-Chul Park (Korea Institute of Science and Technology, S. Korea), Kwang-Hoon Lee (Korea Photonics Technology Institute, S.

<b>17:00~18:00</b>	
<b>Ballroom</b>	<b>Conference Member Meeting and International Advisory Board Meeting Ballroom 1 Chair Yong-ku Kong Co-chair Byung Chang Sor Dr. Sung H. Han Organizing Chair ACED 2014 Dr. Katsuura T. President JSPA</b>

**Saturday, May 24, 2014**

**10:30~12:00**

**Ballroom**

**Closing Ceremony Ballroom 1 Chair Youngshin Kwak Co-chair Yu-jin Kim  
Dr. Seong Rok Chang President ESK  
Dr. Kazuo Aoki President JES**

**13:00~17:00**

**Conference Tour**