

Wednesday, May 21, 2014

13:30~19:00

Hall A **Special Workshop Neuromarketing and Ergonomics (Korean Only)**  
Hall B **Nuclear Safety Culture Workshop organized by KAERI (Participants Only)**  
19:00~21:00 **Design for Diversity**  
Main hall **Welcome Reception**

Live band performance Jeju University

Thursday, May 22, 2014

8:30~10:00

Hall A **Design for Diversity**

A classification hierarchy of assistive technologies for people with sensory and physical disability JooHwan Park POSTECH  
A literature survey on assistive technologies for people with disabilities Hyunkyung Kim POSTECH  
Comparison of ascending and descending ramp in wheelchair driving: Focused on physical discomfort and psychological anxiety Chungsik Kim POSTECH  
Training Equilibrium Ability of Older Adults by Applying Kinect for Xbox 360 Wang-Chin Tsai Fo Guang University  
Development of a task taxonomy of a mobile device for people with sensory and physical disabilities Heekyung Moon POSTECH  
The effect of washing machine interface factors on the usability of visually handicapped people SANGMIN KIM sungkyunkwan university

Hall B **Gesture Interface**

Relative Pointing: a New 3D Pointing Gesture Interface Mingyu Lee POSTECH  
Research on the characteristics of preferred Gestures according to age: focus on home appliances and facilities HANUL BANG POSTECH  
Research on the Gesture commands set for smart home regardless of devices Dong Yeong Jeong POSTECH  
A Comparative Study of Handheld Devices and Freehand Gestures according to the Smart TV controls SANGMIN KIM sungkyunkwan university  
A study on the visual feedback of Head-Up Display for gesture interaction in automobiles SeungMin Yang Kookmin University

Hall C **Vehicle and Transportation Systems**

Complexity of automotive HMI systems: A literature review Hwan Hwangbo Yonsei University  
Development of a Cloud Model for Improving Detection of Driver Visual Distraction Ying Zhang Kookmin University  
Detection of Driver Visual Distraction using Bayesian Networks Sun Shubo Kookmin University  
A Review of Research Studies on Automotive HUD Information and Its Presentation Juhee Park Seoul National University  
Evaluation of Classification Model for Goals in Visual Search using Driver Segments based on Cognitive Characteristics JIHOON KIM Hongik University  
Simulator-based Driving Assessment for Stroke Patients Myoungouk Park DGIST(Daegu Gyeongbuk Institute of Science and Technology)

Hall D **Psychophysiology**

Classification of mental fatigue induced by sympathetic or parasympathetic hyperactivity seonmi Jeon sanqmyung university  
Real-time measurement and analysis of cortisol by using gold nanoparticles and photo-thermal effect Joonchul Shin Yonsei University  
Electroencephalogram as a Reference Data for a Neuromarketing Service in Movie Industry Wuon-Shik Kim Korea Research Institute of Standards and Science

	Basic Study on the Relation between Heart Rate Variability and Respiration Period of Children Toward the Development of a Respiration Leading Stuffed Toy	Hiroki Uratani	Osaka Institute of Technology
	Smartphone based quantitative stress measurement system	Jung-sik Yang	Yonsei University
	Is Flow Good? Is Addiction Bad? : Psychological and Psychophysiological Approach in Computer Gaming	Maria Hafeez	Hanyang University
<b>10:00~10:30</b>	<b>Coffee Break</b>		
<b>10:30~12:00</b>			
<b>Main Hall</b>	<b>Opening Ceremony and Opening Plenary</b>		
	Dr. Sung Rok Chang President ESK		
	Dr. Sung H. Han Organizing Chair ACED 2014		
	Dr. Eui S. Jung Professor Korea University		
	Dr. Alan Chan Professor City University of Hong Kong		
<b>12:00~13:30</b>	<b>Lunch Break</b>		
<b>13:30~15:00</b>			
<b>Main Hall</b>	<b>JES ESK Joint Session I Mental Workload</b>		
	Reliability evaluation of static and dynamic assessment methods in detecting the severity of forward head posture	Gwanseob Shin	Ulsan National Institute of Science and Technology
	Can we use surface electromyography to reliably assess the health status of low back musculature?	Gwanseob Shin	Ulsan National Institute of Science and Technology
	Study on Adaptive Driving Assistant System for the Elderly Driver	Seunghee Hong	Kagawa university
	Research on the Validity of the Psychosomatic State Estimation Based on the Changing State Hypothesis	Shinichi Tachiwana	Kagawa University
	An analysis of collision avoidance effectiveness by using the information displayed in driver's peripheral vision at blind intersection	Makoto Mochizuki	Kagawa University
	Influences of Positive Emotion on Cardiovascular Responses to Mental Works	Xinxin Liu	National Institute of Occupational Safety and Health
<b>Main Hall 2</b>	<b>Industrial Safety I</b>		
	Application of Well-balanced Work Scheduling for Prevention of Work-related Musculoskeletal Disorders in an Automotive Parts Assembly Line	Minyong Park	Hanyang University
	A Survey of Data-based Human Reliability Analysis approaches	Yochan Kim	Korea Atomic Energy Research Institute
	Effects of handle diameter and handle angle on a seated pulling task	Ravindra S. Goonetilleke	HKUST
	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 Design and Manufacturing,

	Symbolic indicators and user perception performance in Indian industries and public places	Rauf Mohammed Shek Iqbal	National Institute of Industrial Engineering (NITTF) University of Serang Rava
	Physical Workload Measurement And Rest Time On Work Shift Employee at Ethoxylate Division	wyke kusmasari	
<b>Hall A</b>	<b>Interaction and Interface Design</b>		
	Effects of Wedge Visual Support on User Metacognitive Strategy and Wayfinding Behavior within a Virtual Environment	Chien-Hsiung Chen Kazuki Sakai	Taiwan Tech Kansai University Kookmin University
	Minimum duration for presenting tactile stimuli to perceive stimulus locations on the palm		
	Study on Closed SNS Interaction Features by Age Group- With focus on active seniors	Cheongah Kim	Grauate School of Techno desian Kyungsung University
	Development of Patient Education and Consultation Mobile Application for Implant Dentistry	HONG-IN CHENG Heejin Kim	POSTECH
	Empirical Characterization of Natural Hand Motion in Pointing Tasks at Large Displays.	Pei-Luen Rau	Tsinghua University
	Smart Television Interaction Design Guideline and Evaluation		
<b>Hall B</b>	<b>Biomechanics I</b>		
	Pattern changes of finger joint angle by object properties during grip posture	Kyung-Sun Lee	Ajou University Director, Division of Convergence
	Symmetrical load lifting beside the body compared to in front of the body: Investigation of low-back loading, muscle activity and foot balance	Se Jin Park	Technology Hitachi Aloka Medical, Ltd.
	Effects of a vertical and horizontal console position on operator muscular stress during ultrasonic diagnosis	HIROYUKI SUZUKI	
<b>Hall C</b>	<b>Design Methodology</b>		
	Extraction of Design Rule from Han-Style Bathroom Design Using Rough Set Theory	jina park	Korea Institute of Construction Technology
	Art teacher retraining program through design thinking process	SeungYon Seny Lee	SangMyung Univ. Seoul National
	Systematic Space Organization Methodology: the Scenario Based Space Planning Process	Byungki Jin	University Indian Institute of Technoloav
	Mobile convenience:A design ideation exercise to suit various Indian contexts	Debkumar Chakrabarti	Virginia Tech
	Using Protocol Analysis to Examine Intra- and Inter-sub-group Communication Patterns: A Case Study of a Partially Distributed Conceptual Desian Teams	Yoon Suk Lee	
<b>Hall D</b>	<b>Psychophysiological Measurement and Assessment</b>		
	Emotional reaction of users for the skin-tone variations of portrait photoqraphy	Eunyoung Kim	Dankook University Department of Emotion Engineering, Sangmyung University
	Pupil response in relation to the Verbal Expression with Hidden Emotion	Hye Jin Lee	Emotion Contents
	The effect of teacher's emotional expression on status of children group	Seung seob Shin	Technology Research Center

<b>Conference Lobby</b>	Can predict empathy between two persons? Application Development of Space-based Emotion Sensing, Using a Smart Phone Camera Evaluation of social relationship between two persons using micro-movement in vestibuli	Sungjin Lim MINHEE KIM Sunq Teac Hwang	Sangmyung Univ. Sangmyung university Sangmyung University
	<b>Posters Session I</b>		
	The resident behavior as Furniture Layout in SI Housing	yongkyu yi	jeju university
	A study on the effects of large display curvature on postural control	Jihhyeon Yi	UNIST
	A study on job stress of shipbuilding design workers	Hoon Yong Yoon	Dong-A University
	The Study on Mat with Optimal Ratio of Hardness and Elasticity for Minimizing Fatigue at Various Work Conditions	Hoon Yong Yoon	Dong-A University
	Developing a co-creation framework with product design and innovation: an investigation of ITC firms	Yen Hsu	Tatung University
	Effects of Job Stress on Work-Related Musculoskeletal Disorders in Heavy Industry for three years	Yuchang Kim	Don-eui University
	A Study of sensitivity classification based on emotional classification using the imaging technology of vibration	Jinhee Park	VIBRASYSTEM
	Fish Pellet(whey based) Machine Design for SMEs	Wina Libyawati	University of Pancasila
	The Change of Driving Performance due to Unexpected Situations during Driving with Secondary Tasks	Jung chul Lee	Konkuk University
	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 desian)	Suhyun Baek	Kumho National Institute of Technology
	A serendipity-oriented music recommendation system using neural networks	Sangwon Lee	Hanyang University
	Human reliability assessment methods to apply offshore platform activities	Taezoon Park	Soonqsil University
Field assessment of CamouLED: The effectiveness of real-time generation of pixel pattern for camouflage	Hannah Kim	Yonsei University	
Selection and classification of smart TV functions based on gesture interface	Taebeum Ryu	Hanbat National University	
Cerebral activation associated with sexual arousal in individuals with high rates of sexual behavior	Ji-Woo Seok	Chungnam National University	
A study on Improvement of Horseback Riding Pants	sookhee s kwon	esk	
A study on UX(User eXperience) Profiling System based on Physiological Signals	Songyi Kim	Korea Electronics Technology Institute	
New grasp classification and coding methods for smart device: A literature review and proposed guidelines	Songil Lee	Ulsan National Institute of Science and Technology	
Change of ERP pattern of pressure stimulation	Ji Hye Baek	konkuk university	
<b>15:00~15:30</b>	<b>Coffee Break</b>		
<b>15:30~17:00</b>			
<b>Main Hall</b>	<b>JES ESK Joint Session II Interface Design</b>		
	Design of User Experience Design Education	Younghwan Pan	Kookmin University
	EEG responses to group action-related stimuli	Yeon-Kyu Kim	Kyushu University
	A missense I394T variant in human melanopsin gene is associated with non-image forming responses, including pupillary light reflex and sleep/wake timing.	Sang-il Lee	KYUSHU UNIVERSITY
	A Grip Posture Analysis for Smartphone User Interface Design	Younqgeun Choi	POSTECH
	Evaluation of flick-motion based representation used for presenting Japanese kana characters by tactile information display device	Kentaro Kotani	Kansai University
	Physical Properties and Onomatopoeia-Characterizing Onomatopoeia in Relation to Shaking-	Takashi Toriizuka	Nihon University
<b>Main Hall 2</b>	<b>Industrial Safety II</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
	A Study for Reducing Human Errors by customizing safety training	SUIN PARK	samsung electronics
	An Investigation of the Oil Palm Worker's Working Activities using Workplace Ergonomics Risk Assessment (WERA) Method	Baba M Deros	Universiti Kebangsaan Malaysia University of
	Ergonomic Analysis of Traditional Batik Processing Workers using Postural Risk Assessment Tool	santy santy	Pembangunan Nasional Veteran Jakarta
	Blasting Dust Influences to Employee Health in Pipe Industry	wyke kusmasari	University of Serang Raya
<b>Hall A</b>	<b>Anthropometry</b>		
	Development of the standard based on Korean Anthropometry Data	youngsuk LEE	Professor Universiti Putra Malaysia
	Development of Teenager Clothing Sizing System Based on Anthropometric Measurements	Naimah Mohd Salleh	University of Putra Malaysia
	Developing Garment Sizing for Malaysian Female Teenagers aged 16 by Clustered Classification	Siti Balkis Bari	Malaysia
<b>Hall B</b>	<b>Biomechanics II</b>		
	CONTRIBUTION OF THE LITTLE FINGER ON THE GRIP AND OUTPUT FORCES: A PRELIMINARY REPORT	Janqwhon Yoon	Hoseo University Keimyung University
	Abnormal sitting pressure of cerebral palsy children on the school chair	In-Hee Lee	Dongsan medical center Seoul National University
	Effects of Grip Curvature for the Manual Operation of Handheld Touchscreen Device	Sanghyun Kwon	SungKyunKwan Univ.
	A Design of Pliers in the Maximum Gripping Tasks	Kyeonghee Choi	Universitas Indonesia
	Ergonomics Design Evaluation of Trigger Firearm Handgun	Maya Arlini Puspasari	University of Brawijaya
	Biostatic Computational Analysis of the Effect of Body Dimensions on Long-Distance Driving Fatigue	Dewi Hardiningtyas	
<b>Hall C</b>	<b>Cognitive Ergonomics</b>		
	Personalized Activity Tracking System: Improving Situation Awareness for Anesthesiologist's Task within the Surgical Team	LISA WIYARTANTI	Korea Institute of Science and Technology
	Analysis of Cardinal Direction visibility by using the Pairwise Comparison	Kim Minju	Kyoto Institute of Technology
	Preliminary study on nonintrusive measurement of ECG and respiration while sitting on a chair for human states estimation	Mieko Ohsuga	Osaka Institute of Technology
	Assessment of an ERP Graphical User Interface Design Related to Human Cognition	Grace Lorrain Diaz Intal	Mapua Institute of Technology

**Hall D****Invited Session Ergonomics and Safety Dr. Joe Lin**

Behavioral Based Safety Implementation to Improve Industrial Safety in Taiwan Local Industries

KUAN HUA CHEN

Kuanhua Chen  
National Taiwan

Exploring Taiwan Government's Safety Culture Improvement Program in Local Metal Industry through Questionnaire

Ilma Mufidah

University of Science  
and Technology

Evaluation and Workers' Background Influence Identification

**Conference  
Lobby****Posters Session II**

Consideration of Human Factors Engineering in Designing Research Reactors

Seung Ki Shin

Korea Atomic Energy  
Research Institute  
Korea National

Legibility of Korean Text by the Elderly in a Short Period of Time

Seung-Kweon Hong

University of  
Transportation  
Director, Division of

Size Korea Database Usability Improvement through Survey and In-depth Interviews

Se Jin Park

Convergence

Intelligent Coolness Knitted Fabric with Moisture Responded Transformable Property

Seung Jin Kim

Technology  
Yeungnam University

The effects of nostalgic feelings on black and white advertisements

Kaeun Kim

Yonsei University

A Comparative Analysis of Emotional Response from Different Age Groups to Changes to Color Temperature and Illuminances in General Diffused Lighting in Study Rooms

Seo EunJi

Chungnam National  
University

Electromyography Analysis of Marathon Shoes Applied to NESTFIT Technology

SEUNG BUM PARK

Footwear Industrial  
Promotion Center  
Korea Research

A Fundamental Study for ship navigator's workload Assessment

Seungbin Oh

Institute of Ships &  
Ocean engineering

Development of Pesticide Proof Clothing with Retro-reflective function

Young-soon Oh

RDA

Study on Preparation of Safety and Performance Evaluation Standards of Vitrectomy System

San Kim

Ministry of Food and  
Drug Safety

Influences of large flexible display curvature on legibility and visual fatigue

Sung ryul Park

UNIST

Body Pressure Distribution Analysis and Satisfaction of Human Sensibility of Using BackJoy

Peom Park

Ajou University

A Proposal of the Next-Generation Voice Interface Evaluation Model in the Vehicle Environment through a Case Study

Peom Park

Ajou University

The Mind-Reading Ability versus The Response Bias in Major Depressive Disorder

Young-Ji Eum

Chungnam National  
University

Enhanced anterior cingulate activation in alcoholics during exposure to angry faces

Mi-Sook Park

Chungnam National  
University, Brain

An Assessment Protocol on Accessibility of Smart-Home Environment for People with Disability

Jeonghyun Kim

Research Institute  
Korea National

Characterizing wooden texture using the affective engineering approach

Mio Ikeda

Rehabilitation Center  
Nihon University

A Study on Brain activations induced by the cognition of driving speed

Mi-hyun Choi

Konkuk University

	Evaluation of preferred lumbar support height and prominence in seat design	JAE HEE PARK	Hankyong National University
<b>17:00~17:30</b>	<b>Coffee Break</b>		
<b>17:30~19:00</b>			
<b>Main Hall</b>	<b>ESK General Assembly (ESK member only)</b>		
<b>Hall A</b>	<b>KSES General Assembly (KSES member only)</b>		
<b>19:00~21:00</b>			
<b>Main Hall</b>	<b>Conference Banquet</b> Banquet Keynote Dr. Hun Ki Baek President KOSHA		
<b>Friday, May 23, 2014</b>			
<b>8:30~10:00</b>			
<b>Main Hall</b>	<b>JES ESK Joint Session III Performance Evaluation</b>		
	The Effects of Weather Recognition Training on Pilot Situation Assessment and Tactical Decision Making	Chansik Kim	ROK Air Force Headquarter Seoul National University
	A Study on Difference of Affective Response to Haptic Feedback according to Mode of Haptic	Joobong Song	Kansai University
	Mental workload of in-vehicle device operation by eye gazing for head-up display	Daiki KANDA	Kansai University
	Evaluation of spatial distribution of tactile sensitivity on the palm for developing tactile interface	Kensuke TAKENAKA	Kansai University
	Development of neural indices from the human encephalography to evaluate TV commercials	TAEYANG YANG	UNIST
	Cognitive characteristics of directional judgment on virtual tilted navigation screen using binocular disparity	Sanghyun Kim	Waseda university
<b>Main Hall 2</b>	<b>Affective Engineering and Design I</b>		
	Study on Comparison of Structure of Color Sensibility Adjectives	Hanna Kim	Chungnam National University
	Affective Attachment to Ecological Consumer Products	Alma Maria Jennifer A. Gutierrez	De La Salle University
	Design Experimentation of Emotional Concept in Health Care Products	Dosun Shin	Arizona State University Ulsan National
	The roles of lighting in human-product interaction	Jun Da-Eun	Institute of Science and Technology HNU
	PSO Based Tuning Resaerch for User Friendly Emotion Generation	Dong Hwa Kim	
<b>Hall A</b>	<b>Ergonomics in Education</b>		
	Is the mobile touch device a good tool to learn Chinese?	ZHE CHEN	Industrial Engineering Department, Tsinghua University Beijing
	Setting goal levels to promote intrinsic motivation in training and education: An experimental approach to the moderate gap between one's ability and a goal	Mai Takayama	Keio University

Empathic Modelling in Product Design Engineering Education: Lessons Learnt

nurul ikhmar ibrahim University of Malaysia  
Perlis

**Hall B Product Design**

Designing and Ergonomic Evaluation of a Multi-utility Trolley Bag

SOUGATA KARMAKAR Assistant Professor  
Johanna Renny Parahyangan Catholic

Influencing Children's Eating Behavior through a Persuasive Lunch Box Design

Octavia University  
Seoul National

How to change product complexity in product family.

GwangKi Min University

Ergonomic Rice Transplanter for Filipino Farmers

Rosemary Seva De La Salle University  
lulu purwaningrum student

The observation of children's holding position to redesign elementary school chair for easy carrying and moving

Wonsik Choi Pusan National  
University

The Friction and Wear Characteristics of Dental Alloy Metal

**Hall C ACED Special Workshop Young Researchers Forum**

**Hall D Invited Session JPPS Dr. Byung Chan Min I**

Ergonomic Study on Mattress Firmness by Measuring Spinal Curve and Night Sleep Quality

Tetsuo Katsuura Chiba University  
Graduate School of

Deformation of Median Nerve during Active and Passive Wrist Holding at Proximal Carpal Tunnel

Ping Yeap Loh Design, Kyushu  
University

Evaluation of comprehensibility of newly introduced water-sport prohibitive signs in Korea

Shuping Xiong UNIST

Elucidation of the Mechanism Forming Attachment for Products and Services - physiopsychologically evaluating emotion following an attachment

Moe Watanabe Keio University

Estimating particular preferences from behavioral characteristics: case of repertoires of karaoke songs

Mikako Ishida Keio University

**Conference  
Lobby**

**Posters Session III**

A framework to Develop of E-Learning Contents of Agricultural Safety

Kyung-Sun Lee Ajou University  
Inseok Lee Hankyong National

Evaluation of Different Work-Rest Schedules of Repetitive Tasks based on EMG

University

Development of multi-purpose rollator for elderly farmers

Kyung Suk Lee Senior researcher

The effects of causal explanation about product malfunction on consumers' evaluation on its normality

Guk-Hee Lee Kwangwoon University

User Analysis and Design of the pelvic airbag cushion system for absorbing falling impact energy

Kwang Tae Jung KoreaTech

Kinematic Analysis of the Wrist and Elbow Motions during Grape harvesting

Jihye Kim Hankyong National

The Effect Plyometric Training on Physical Fitness and IGF-1 in Middle-School Soccer Player

University  
Jeju National  
University



A Study on the Semantics of Human Emotions: The Way of Making More Comprehensible Code for Abstracted Information	Sangho Kim	Kumoh National Institute of Technology
The Study on Korean Adolescent Boys' Hand Development	Hyunsook Kim	Yonsei University
Ergonomic Interventions to Prevent Work-Related Musculoskeletal Disorders incurred by the Weight Lifting Tasks in Livestock Feed Manual Material Handling	Kyungran Kim	Rural Development Administration
The study of older driver characteristics at night or in the fog using Driving Simulator	Choi Kyung Im	Korea Transportation Safety Authority
Analysis on Acceleration and Angular velocity Change according to Slipping Speeds, when Falling	Jaesoo Hong	KITECH
A Study on Appropriate Color Temperature and Illumination in Reading according to Different Paper Characteristics	Jiyoung Park	Chungnam University
The effects of uncertainty on nostalgic products consumption	Aeri Kim	Yonsei University
Ergonomic Pattern Development Method Using 3D Body Scan Surface Data with Lines of Curvature Intersection (LoCI)	Jee jung woo	Yonsei University
Developing a Quantitative Performance Model of the Use of Adaptive and Adaptable Menu Interfaces	Jungchul Park	Korea National Univ. of Transportation
The development of upper limb model based on Biomechanics for evaluating movement of shoulder complex. (for Kinematics)	Jae-ho KIM	Ajou University
Cognitive and Affective Quality Improvement of Door Opening Alarm Sound for Refrigerator	Jaein Lee	Hankyong National University
The study on job stress and body part discomfort of dental hygienist	Hyun Kyung Kang	Silla University

**10:00~10:30**  
**10:30~12:00**

**Coffee Break**

**Main Hall**

**Keynote Speech**

Kazuo Aoki President JES  
Min Keun Chung President NRF

**12:00~13:30**  
**13:30~15:00**

**Lunch Break**

**Main Hall**

**Invited Session Hyundai Motors R&D Center Dr. Sunghyun Lim**

Estimation of 13-18yrs boys' upper body shape in 3D using silhouette image

youngsuk LEE Professor

**Main Hall 2**

**Affective Engineering and Design II**

The Relationship Between Color Hue-Tone and Characters' Emotions in the Film, 'Les Misérables'  
How user's emotions will contribute to the overall satisfaction of using the product?  
The Effects of Neighboring Colors on Affectivity  
#REF!

An Optimal Comfort Indoor Environment based on the LED Illumination and PMV Index using Physiological Indicators for Energy Saving Building

Yu-Jin Kim Kongju National Univ.  
Sang Hoon Jeong Mokwon University  
Semin Oh UNIST  
#REF! #REF!  
Hyungsun Kim Green Energy Technology Research Center

<b>Hall A</b>	<p><b>User Interface and User Experience I</b></p> <p>A Literature survey on the sensor technologies For context awareness  Remote usability test by personal LTE service  The Perception of Robots in Everyday Life through Diary Method and Network Analysis  A Service Design Model for Tailor-made Suit Business  GEOmuseum: A Fun Interactive Guide to Enhance Museum Visiting Experience for Youngsters in Indonesia</p>	<p>Kyungmin Choi  Dongjin Kim  Ikpyo Hong  Yitong Liu  Johanna Renny  Octavia</p>	<p>POSTECH  LG U+  Hongik Univ  Kookmin University  Parhyangan Catholic  Universitv</p>
<b>Hall B</b>	<p><b>Invited Session Dr. Kentaro Kotani</b></p>		
<b>Hall C</b>	<p><b>Invited Session Human Performance Dr. Alan Chan</b></p> <p>Judgment of perceived exertion by facial expression: do gender difference?  Height effect could be a factor for the musculoskeletal disorder in cleaning occupation  Visualization for body health classification and management strategies  The measurement errors of ear canal landmarks  The Association of Sleepiness and Traffic Accidents for Taxi Drivers in Hong Kong  The interaction effect of individuals' working memory capacity and tasks' working memory load on error-checking performance</p>	<p>Ding-HAU Huang  WANG MING-HSU  CHIOU WEN-KO  Chien-Yu Peng  Tingru ZHANG  Sze-yuen Yau</p>	<p>Chang Gung University  Chang Gung University  Chang Gung University  Chang Gung University  City University of  Hona Kona  Lingnan University</p>
<b>Hall D</b>	<p><b>Invited Session JPPS Dr. Byung Chan Min II</b></p> <p>Effect of empathy trait on attention to faces: Evidence from N170  Effect of empathy trait on attention to faces: Evidence from N170  The Effect of Texting Using a Smart Phone While Driving on Drivers  The Influence of Laterality during Gait Cycle on Manual Pushing  The effects of touch button size to the operability of touchscreen</p>	<p>Shigeki Watanuki  Damee Choi  Min Byungchan  Kadek H Sanjaya  Jinghong Xiong</p>	<p>Kyushu University  Kyushu University  Hanbat National  Universitv  Chiba University  Kyushu University</p>
<b>Conference Lobby</b>	<p><b>Posters Session IV</b></p> <p>Development of Fruit Harvest Basket and Assessment of its Effectiveness  A Study on Smart Home Services and Devices : Current Features and Perspectives  Necessity of standard time for agricultural workers compensation insurance  Development of a Fingertip Vibrotactile Stimulator for fMRI  Response time of 1-back task and heart rate in children with Attention Deficit Hyperactivity Disorder  Fundamental Study on the danger of walking while carrying out a smartphone  Effect of Seat Surface Inclination on Respiratory Function in Children with Spastic Cerebral Palsy</p>	<p>hyeseon Chae  HYOCHANG KIM  Hee-Sok Park  Hyung-Sik Kim  Hyun-Joo Kim  Yoshinori HORIE  Hwa Kyung Shin</p>	<p>RDA  YONSEI  Hongik University  Konkuk University  Kunkuk University  Nihon University  Catholic university of  Daeau</p>

Driving Performance on the Unimanual and Bimanual steering during the simulated driving following stroke	Hwa Kyung Shin	Catholic university of Daeju
The Effects of Seat Inclination on Reaching Movement in Children with Spastic Diplegic Cerebral Palsy	Hwa Kyung Shin	Catholic university of Daeju
Frequency Analysis of COP on Three Foot Sites in Closed Visual Condition	Hwa Kyung Shin	Catholic university of Daeju
Comparison of symmetry of sitting pressure between healthy subjects and chronic stroke patients during driving task	Hwa Kyung Shin	Catholic university of Daeju
Comparison of driving performance between healthy subjects and chronic stroke patients using driving rehabilitation system.	Hwa Kyung Shin	Catholic university of Daeju
Brain Activity during Observation of Another Person's Hand Action with a Tangible User Interface	shiqekazu hiquchi	Kyushu University
Analysis design guidelines for development of height adjustable washbasin	Hyoung-In Choi	Korea Institute of industrial Technoloav
A study of the Joint moment and EMG of lower limb for the development of the height adjustable wash basin.	Hyoung-In Choi	Korea Institute of industrial Technoloav
The effect of the Foot Pressure between Skilled and Unskilled During Tee Ball Batting	Bo Seob Heo	Pkyung National University
Development of preparation, effective tools for the child in hospital.	junko hattori	Aichi Prefectural University
An Comparison of K-HPES( Human Performance Errors) and OE(Operating Experiences) in Nuclear Power Plants	Byung Do Ko	KHNP Central Research Institute
Effectiveness Evaluation on Human Engineering Part in Wolsong unit 1 stress test	Byung Do Ko	KHNP Central Research Institute

**15:00~15:30**  
**15:30~17:00**  
**Main Hall**

**Coffee Break**

**Main Hall 2**

**Hall A User Interface and User Experience II**

Developing a User-Centered Tool for the Holistic Evaluation of Destination Websites

Charles Ruel Gutierrez University of the  
Novabos Philipinoes Diliman

A study on the Comparison of Real and VR 3D Simulated Rubik's Cube Game Performance	Vincent Wen-Te Chana	Associate Professor
An Investigation of Tactile Recognition Performance on Tactons™ Message Exchange Device	Hsinfu Huang	Southern Taiwan University of Science and Technology
Differences of Spatial Compatibility among Korean, Chinese, and Japanese in the Traditional Gas stove with four burners and controls	Kyung Tae Lee	Sehan University

**Hall B**

**Hall C**

**Hall D**

<b>Invited Session JPPS Dr. Byung Chan Min III</b>		
The study on the prediction of driving-workload using the DWPT in curve section: Local road and Urban road	Yoonsook Hwang	ETRI
Correlation between cognitive ability and heart rate in intellectually and developmentally disabled people	Hyung-Sik Kim	Konkuk University
Characteristics of Salivary $\alpha$ -Amylase Reactivity by Working Hours of Hospital Nurses	Min Byungchan	Hanbat National University
The Changes of ANS Responses due to the Color Temperature of LED Lighting	Boseong Kim	Dong-Eui University
The Effects of RGB Wavelength of Polychromatic LED Light Sources on Melatonin Suppression	Saki Tanaka	KYUSHU UNIVERSITY

**Conference Lobby**

<b>Posters Session V</b>		
Making a Model for Controlling Child Patients' Visual Pain during Preparations	Gi-Dong Oh	Tokyo Kasei Gakuin University
A study of digital signage design applied in nursing station in hospitals	Yen Hsu	Tatung University
Ergonomic Interventions to Prevent Work-Related Musculoskeletal Disorders incurred by the Weight Lifting Tasks in Livestock Feed Manual Material Handling	Insoo Kim	National Academy of Agricultural Science
Emotional Aspects of Combination Colors by Natural Dyeing	Eunjou Yi	Jeju National University
Color Characteristics of Naturally Dyed Silk fabrics According to Pantone Color Matching System	Eunjou Yi	Jeju National University
Color Emotion of Reddish and Yellowish Korean Traditional Colors by Natural Dyeing	Eunjou Yi	Jeju National University

A Study of the Conversion Method of the Emotional Dimension using Relation between Arousal and Valence	EuiHwan Han	Soongsil University
Evaluation on Balance ability of Hemiplegic patient through Wearing Newly Elastic band-type Ankle foot orthosis using Balance SD system	Woosang Sim	KITECH
Lateral flow immunosensor fabricated by a fountain pen dispenser to detect human stress biomarker in saliva	Suji Choi	Yonsei university
Research on the development of the educational work improvement tool based on work analysis	Heungjae Cho	Ajou University
Analysis on Low body Joint angle of Hemiplegic patient by Wearing Newly Elastic band type Ankle Foot Orthosis in Gait	Jonghyun Kim	KITECH
Effects of the LED illumination and the PMV index on Performances of Cognitive Tasks	Hyungsun Kim	Green Energy Technology Research Center
Development of Visual Object Search System based on Visual Cognitive Processing	EUN HYE JANG	ETRI
A Basic Study on the Nighttime Scene Lighting	Kim seong hui	yes
A study on the effects of display curvature on visual fatigue: Flat vs. curved displays	Donghee Choi	UNIST
Effects of Body Postures on Clothing Air Gap in a Protective Suit	JYOUNG CHOI	Seoul National University
Three Emotions and Autonomic Nervous System Responses	Byoung-Jun Park	ETRI
c-Fos expressions in the nucleus of the solitary tract following taste stimulation with salts	Bae Hwan Lee	Yonsei University College of Medicine
Compared of depth sense of an inter camera distance in stereo camera arrangement	Dongsu Lee	Korea Institute of Science and Technology

**17:00~17:30**  
**17:30~19:00**  
**Hall D**

**Coffee Break**

**Invited Session JPPS Dr. Byung Chan Min IV**

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	DGIST (Daegu Gyeongbuk Institute of Science & Technology)
Development of the standard based on Korean Anthropometry Data	youngsuk LEE	Professor
A comparative study of Anthropometric Data between Korean and Japanese groups	youngsuk LEE	Professor
Estimation of 13-18yrs boys' upper body shape in 3D using silhouette image	youngsuk LEE	Professor
Age-Related Changes in Walking Motion of Japanese Females: Basic Analysis of Gait Motion	Irma Nur Afiah	Kyushu University

**Saturday, May 24, 2014**

**10:30~12:00**

**Main Hall**      **Closing Ceremony**

**13:00~17:00**      **Conference Tour**