1st International Symposium on Affective Engineering 2013

March 6 (Wednesday)-March 8 (Friday), 2013

06-3

| 15:00 - 18:00 | | Registration |
| 18:00 - 20:00 | Flamingo Café | Welcome Reception (Flamingo Cafe) |

07-3

9:00 - 17:30		Registration
9:00 - 9:30	International Conference Hall	Opening
9:30 - 10:30	KEYNOTE International Conference Hall Chair Junzo WATADA	Building machines in the biological way: reactivity and emotions first, reasoning later Dr. Horia-Nicolai L. Teodorescu Professor, Gheorghe Asachi Technical University of Iasi
10:30 - 10:50		Coffee Break
10:50 - 11:50	KEYNOTE International Conference Hall Chair Hisao SHIIZUKA	Emerging New Rules of Games in Design Dr. Kunpyo Lee Executive Vice President Head, Corporate Design Center, LG Electronics
11:50 - 13:30	Lunch	Lunch

13:30 – 14:50 (20 min * 4)

Session 1A — 3D Modeling for Fashion
Room: C21-1 | Chair: Masayuki TAKATERA

ID	Title	Authors
1A-1	Creating Upper Garments with Tight Sleeves Considering Individuals' Figures by Automatic 3D Pattern-making	Yo TAKAHASHI, Akito SOFUE, KyoungOk KIM, Masayuki TAKATERA
1A-2	Draping Simulation by a Mapping Method	Shigeru INUI, Yosuke HORIBA, Yuko MESUDA, Mariko INUI
1A-3	Cutting Method for Cloth Handling	Yuko MESUDA, Shigeru INUI, Yosuke HORIBA
1A-4	Fitness Comparison of Commercial Jodhpurs Using 3D Scan Data	Mi Jung KANG, Young-Ah KWON

14:50-15:10 Coffee Break

Session 2A — Design / Fashion
Room: C21-1 | 15:10-16:30 (20 min * 4) | Chair: So-Yeon Yoon

ID	Title	Authors
2A-1	Research on jacket patterns and specifications of ready-to-wear for high-end in Italy and Japan	Tsuyoshi OTANI, KyoungOk KIM, Keiko MIYATAKE, Kimiko SANO, Masayuki TAKATERA
2A-2	Comparison of high-end tailored jackets for ready-to-wear produced in Italy and Japan	Tsuyoshi OTANI, KyoungOk KIM, Keiko MIYATAKE, Kimiko SANO, Masayuki TAKATERA
2A-3	Fit Satisfaction and Design Preference for Jodhpurs	Ji-Eun LEE, Young-Ah KWON
2A-4	Relationships between an Individual's Fabric Identification Ability and Amounts of Experience and Knowledge	Tomoharu ISHIKAWA, Kou SATO, Ryouta TSUJI, Kazuya SASAKI, Hiroko SHIMIZU, Miyoshi AYAMA

16:30-16:50 Coffee Break

Session 3A — Image Analysis
Room: C21-1 | 16:50-17:50 (20 min * 3) | Chair: Masafumi HAGIWARA

ID	Title	Authors
3A-1	A method of analyzing the results obtained through the impression evaluation method considering the vagueness of Kansei	Shunsuke AKAI, Teruhisa HOCHIN, Hiroki NOMIYA
3A-2	A case study on elegance of a jacket appearance using images and silhouette of jackets	KyoungOk KIM, Asako NOZAWA, Tsuyoshi OTANI, Masayuki TAKATERA
3A-3	Automatic Image Description Generation in Japanese Using Web-scale Image Dataset	Tomohiko OZAWA, Masafumi HAGIWARA

18:00 The exit of Conference Hall

Session 1B — Design Evaluation
Room: C21-2 | 13:30 – 14:50 (20 min * 4) | Chair: Shin'ya NAGASAWA

ID	Title	Authors
1B-1	An Assessment of Workload on Upper Limbs and Design for Burden Reduction When Caregiver Change the Nursing Trousers	Kazuaki URYU, Megumi KOKATSU, Satoshi HOSOYA, Chiyomi MIZUTANI
1B-2	Performance matrix approach to generating an alternative plan in consensus building	Keiichi YASUDA, Wataru SHIRAKI, Hitoshi INOMO
1B-3	Preliminary Research on Physiological Response to Pleasant Tactile Properties of Towels	Ya-Ning LI, Masayoshi KAMIJO, Tomomi TSUGAMA
1B-4	Evaluation of comfortable sensation when wearing a cosmetic facemask	Motoki HIROSE, Mika MORISHIMA, Hiroaki YOSHIDA, Masayoshi KAMIJO, Yoichiro KAWAHARA

14:50-15:10 Coffee Break

Session 2B — Model
Room: C21-2 | 15:10-16:30 (20 min * 4) | Chair: Hyo-Il Jung

ID	Title	Authors
2B-1	Independence of anisotropy and depth reversal in apparent depth specified by binocular disparity and motion parallax	Yasuaki TAMADA, Masayuki SATO
2B-2	Streetscape Zoning for Historical Town by Self Organizing Maps	Toshio TSUCHIYA
2B-3	Shall We Let Algebraic Agents Play a Board Game ?	Kentaro ENDO, Tetsuya MURAI, Yasuo KUDO, Mayuka F. KAWAGUCHI, Nam Van HUNYH
2B-4	Convergence of a Newton-Like Algorithm Solving the Nonlinear Complementarity Problem	Vyacheslav V. KALASHNIKOV, Nataliya I. KALASHNYKOVA

16:30-16:50 Coffee Break

Session 3B — Kawaii
Room: C21-2 | 16:50-17:50 (20 min * 3) | Chair: Michiko OHKURA

ID	Title	Authors
3B-1	A Study on Fashion Coordination Support System	Yuu TANABE, Hiroko SHOJI
3B-2	Structure of Feeling Kawaii	Hisao SHIIZUKA
3B-3	Rules of Kawaii	Michiko OHKURA

Session 1C — Robotics
Room: C22 | 13:30 – 14:50 (20 min * 4) | Chair: Akihiro OGINO

ID	Title	Authors
1C-1	Theatrical Effects Generation Based on Adjectives Representing Impressions of Story Scene	Kenkichi ISHIZUKA, Takehisa ONISAWA
1C-2	Using Robots to Estimate Children's Personalities	Akiko IWASAKI, Takayuki SHIMOTOMAI, Kasumi ABE, Tomoaki NAKAMURA, Takayuki NAGAI, Takashi OMORI
1C-3	Estimation of Dialogue Moods Using the Prosodic Fluctuation Features	Kaoru TOYODA, Shohei KATO

14:50-15:10 Coffee Break

Session 2C — Branding and Designing Affective Products
Room: C22 | 15:10-16:30 (20 min * 4) | Chair: Katsuari KAMEI

ID	Title	Authors
2C-1	The Influence of Skincare Routine on Skin Physiology Parameter and Kansei-Value	Yuet Sim CHAN, Yukiko TAMURA, Misako KURODA, Takao SOMEYA
2C-2	Development of the Skin Counseling Equipment in which Counselor's Experience and Sensitivity are Reflected	Takayoshi ITO, Sumiko SATO, Yuet Sim CHAN, Takao SOMEYA
2C-3	An Analysis of Reading Emotion of e-Books with Sound Effects by Near-Infrared Spectroscopy (NIRS)	Katsuari KAMEI, Akira NAGAI

16:30-16:50 Coffee Break

Session 3C — Branding and Designing Affective Products
Room: C22 | 16:50-17:50 (20 min * 3) | Chair: Katsuari KAMEI

ID	Title	Authors
3C-1	Unveil the Competitive Advantage of Richemont over LVMH	Shinichiro TERASAKI, Shin'ya NAGASAWA
3C-2	A Fashion Coordinate Support system Based on the Visualization of Impression Differences	Yuichiro KINOSHITA, Junji YOKOYAMA
3C-3	A Proposal of Kansei Evaluation for Traditional Vietnamese Aodai Clothes based on Computer Vision	Thang CAO, Youkinobu HOSHINO

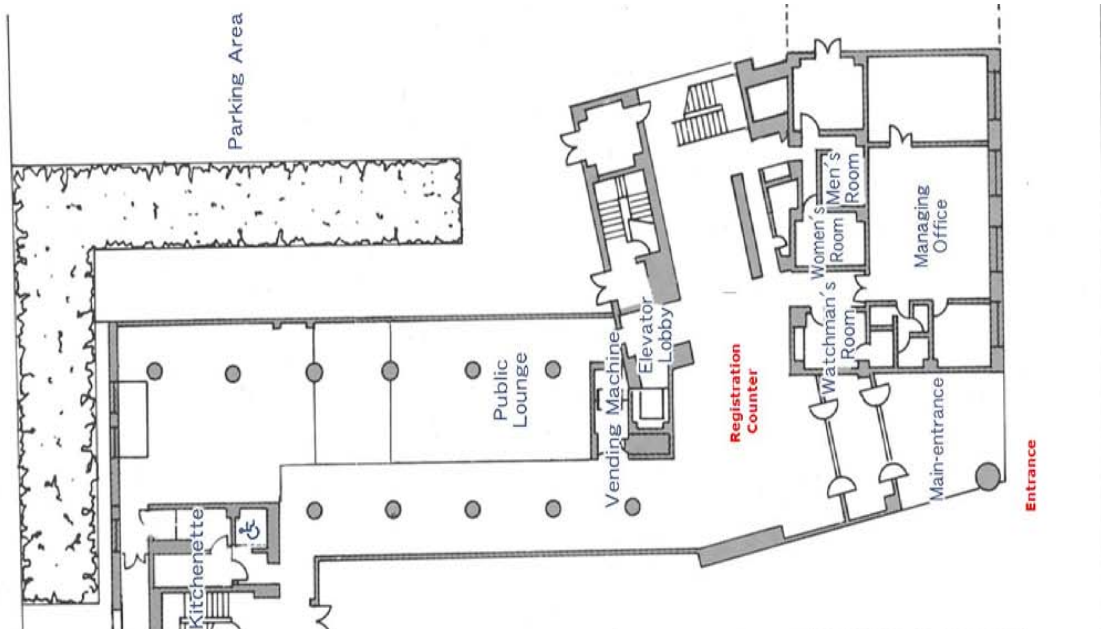The free bus departs at **18:00** at the exit of Conference Hall

19:00 – 21:00 — BANQUET (Moji Hotel 2F)

9:00 - 16:30 — Registration

10:00 - 11:20 (20 min * 4)

	Session 4A — Text Mining (Room:C21-1)	Session 4B — Affective Engineering (Room:C21-2)	Session 4C — Music Sound (Room:C22)
1	**4A-1** Using Feature Values of Statements to Improve the Estimation Accuracy of Factor Scores of Impressions of Question and Answer Statements — Yuya YOKOYAMA, Teruhisa HOCHIN, Hiroki NOMIYA, Tetsuji SATOH	**4B-1** The Research of Questionnaire Survey for Culture Characteristics Improvement in the Concrete — Kotaro MATSUMURA	**4C-1** Study on a Music Recommendation Method Based on Combination Value — Jun OKAWA, Ken KAJI, Hiroko SHOJI, Akihiro OGINO
2	**4A-2** Classification and Optimization of Product Review Information Using Soft Computing Models — Choo Jun TAN, Chee Peng LIM, Yu-N CHEAH, Shing Chiang TAN	**4B-2** Reviewing the Role of the Science Fiction Special Interest Group in User Interfaces: Case of the Science Fiction Movie — Shigeyoshi IIZUKA, Jun IIO, Hideyuki MATSUBARA	**4C-2** Statistical Investigation on Correlation between Feeling Impression and Feature Quantity of Sound Signal — Yusuke KAWAKAMI, Tetsuo HATTORI, Hiromichi KAWANO, Tetsuya IZUMI
3	**4A-3** Analysis of Intended uses of Hygiene Masks and Their Problems: A Cross-sectional Survey — Mika MORISHIMA, Koya KISHIDA, Takashi UOZUMI, Masayoshi KAMIJO	**4B-3** The Study for the Tendency and the Trend of Global Smart phone — Won-Il KWAK, Joung-Pyo HONG	**4C-3** Interactive Generation of Musical Expression Reflecting User's Impression — Mio SUZUKI, Takehisa ONISAWA
4	**4A-4** Text Data Mining of English Guidebooks for Hokuriku Region in Japan — Hiromi BAN, Takashi OYABU	**4B-4** Forecasting Emotions Provoked by Perception of Mandala Patterns based on Electrocephalogram Components — Chih-Wei CHEN, Yung-Chin HSIAO, Junzo WATADA	**4C-4** The effect of soundscapes in immersive virtual environments — Tilanka CHANDRASEKERA, Newton D'SOUZA, So-Yeon YOON
Chair	CP Lim	Bae Hwan Lee	Hisao SHIZUKA

11:20 - 13:30 — Lunch

13:30 - 14:50 (20 min * 4)

	Session 5A — Brain /Bioinstrumentation 1 (Room:C21-1)	Session 5B — Color (Room:C21-2)	Session 5C — Design 1 (Room:C22)
1	**5A-1** Mu Rhythm Suppression during Observing Group Action — Hiroki TOMIHARA, Keita HABUCHI, Hiroko WADA, Damee CHOI, Midori MOTOI, Takayuki NISHIMURA, Shigeki WATANUKI, Yeon-Kyu KIM	**5B-1** A Research on Characteristics of Behaviors Appearing in Coloring - Differences in Coloring Behaviors by Contexts of Contour Images — WonSeok YANG, Toshimasa YAMANAKA	**5C-1** Effect of variation of the layout angle of plane figures on their apparent sizes and changing proportions of rectangle — Takeshi KINOSHITA, Yumie FUKUDA
2	**5A-2** Emotion-on-a-chip (EOC) : Biochip technology for precise measurement of human emotion in affective engineering — Jung-Hyun LEE, Yoosun HWANG, Hyo-Il JUNG	**5B-2** Influence of focal colors in color memory — Hiroaki MIYAKE, Atsushi OSA, Takeshi KINOSHITA	**5C-2** A Study of Trademarks, Symbols and Logotypes of Japanese Corporations –in Terms of Customers' Familiarity and Affection — Yoko SUZUKI, Hisashi YAMAMOTO
3	**5A-3** Chaotic Analysis of Electroencephalographic Signal for Sleep Quality Measurement — Sun K. YOO, Chung Ki LEE, Han Gue JO	**5B-3** Experiencing Color Environments by Different Age Groups: Tapping into the Potentials of VR Simulation — So-Yeon YOON, Don-Han KIM	**5C-3** Analysis and Evaluation of Business Signs Using Deviation Values Proposal for Using Sign Deviation Values to Improve Customer Satisfaction — Masaaki KOYAMA, Yuki TAKAHASHI, Hisao SHIZUKA
4	**5A-4** Brain functional connectivity according to valence of social emotion — Jonghwa KIM, Dongyeop LEE, Mincheol WHANG	**5B-4** The Effect of Color, Material, and Finishing (CMF) on Emotional Characteristics of White Products — Nooree NA, Hyeon-Jeong SUK	**5C-4** A Formulation of Artificial Kansei Design Method Based on Multi-agent Spaces Generated by Variable Neighborhood Models — Seiki UBUKATA, Yasuo KUDO, Tetsuya MURAI
Chair	Junzo WATADA	Nataliya I. KALASHNYKOVA	Toshiki YAMAOKA

14:50 - 15:10 — Coffee Break

15:10 - 16:30 (20 min * 4)

	Session 6A — Brain/ Bioinstrumentation 2 (Room:C21-1)	Session 6B — Subjective Evaluation (Room:C21-2)	Session 6C — Design 2 (Room:C22)
1	**6A-1** Autonomic Nervous Response depending on Cultural Familiarity during Watching Movie — Wuon-Shik KIM, Hyoung-Min CHOI, Dahyun KIM, MinhoSONG, Gi Yong NOH	**6B-1** The Evaluation of Informational and Emotional Appeals of Plant Factory TV Commercials on Purchase Intention and Favorability — Xiaofan ZHANG, Zhenwei YOU, Kenta ONO, Haruo HIBINO, Shinichi KOYAMA	**6C-1** A proposal on a new versatile system design process for industrial design, service design and so on — Toshiki YAMAOKA, Yusuke MORITA
2	**6A-2** Physiological Signals as Reference Data to evaluate Movie Engagement — Sang-Tae LEE, Wuon-Shik KIM, Hyoung-Min CHOI, Yongtaek HAN, Si Jung KIM	**6B-2** Comparison of Electronic Textbook and Paper Textbook from the perspective of Users' Stress and their Evaluation — Yusuke NAGAMORI, Mizuki NAKAJIMA	**6C-2** Making Sense of Product Aesthetic Perception through Kansei Studies: Perspectives with African Design — Oluwafemi Samuel ADELABU, Toshimasa YAMANAKA
3	**6A-3** Respiratory Sinus Arrhythmia as an Index of Attentional Engagement during Watching Movie — Wuon-Shik KIM, Hyoung-Min CHOI, Jeonggueon WOO, SeungHee LEE, Hyun Kyoon LIM	**6B-3** A Study on Preference of Shuso Japanese Paper - Comparison of Japan, China and France- — Hongguang HU, Yuka TAKAI, Noritaka SAIKI, Akihiko GOTO, Hiroyuki HAMADA	**6C-3** A Research about Developing Informed Consent Tool for Relieving Fear for Cataract Operation — Gi-Dong OH, Akira OKAZAKI, Junko HATTORI
4	**6A-4** Evaluation of Chrysanthemum Perfume Effects on Sleep Quality through Polysomnography — Se Jin PARK, Myung Kug MOON, Byeong Bae JEON, Eun Ju LEE, Chang Sik WOO, Sang Hoon HAN, Murali SUBRAMANIYAM, Dong Gyun KIM	**6B-4** Interactive Tabu Search for Creating Fragrance Suited to User's Preference — Makoto FUKUMOTO, Keiji KAWAI, Makoto INOUE, Jun-ichi IMAI	-----
Chair	Min-Cheol Whang	Vyacheslav V. KALASHNIKOV	Hiroko SHOJI

16:30 - 17:00 — Closing

1st Floor Layout

Parking Area

Kitchenette

Public Lounge

Vending Machine

Elevator Lobby

Registration Counter

Women's Room

Men's Room

Watchman's Room

Managing Office

Main-entrance

Entrance

2nd Floor Layout

Ristorante Passo del mare

Pantry

Saloon

VIP Room

Women's Room

Men's Room

Room C

Room B

Room A

Elevator Lobby

Telephone Booth

Pantry

Room I

Subfoyer

Simultaneous Interpretations Booth

Storage 11

Storage 10

Kitchenette

Women's Room

Men's Room

Waiting Room 3

Balcony

g Room 2

Room