

IADIS International Interfaces and Human Computer Interaction 2010

PRELIMINARY CONFERENCE PROGRAM

Wednesday 28th, July 2010

08:30-17:00 Welcome Desk

**09:45-10:00 Session O – Opening Session
(Room 1221)**

OPENING SESSION

Prof. Katherine Blashki and Prof. Pedro Isaías

**10:00-11:00 Session KL1 – Keynote Presentation
(Room 1221)**

**SPACE, GAME, CAMERA. THE PERSPECTIVE
INTERFACE, THE VIRTUAL CAMERA, AND THE
SIMULATION OF ‘I’**

*Mike Jones, Lecturer Screen Studies - Australian Film, TV and Radio
School Lecturer - University of NSW, Australia*

11:00-11:30 Coffee Break

11:30-13:20 Session FSP 28.1

Usability

(Room 1221)

**AN INTEGRATIVE MULTIDIMENSIONAL APPROACH
FOR THE EVALUATION OF MULTIMODAL APPLICATION
USER INTERFACES (F113)**

*Ana E. V. Barbosa, José E. R. de Queiroz, Joseana M. Fechine,
Danilo de S. Ferreira*

**TESTING THE USABILITY OF INFORMATION
VISUALIZATION TECHNIQUES IN INTERACTIVE 3D
VIRTUAL ENVIRONMENTS: A TOOLKIT (F112)**

Kaveh Bazargan, Gilles Falquet and Claudine Métral

**E-COMMERCE USABILITY: DO WE NEED GUIDELINES
FOR EMERGING ECONOMIES? (F104)**

Edna Chelule, Marlien Herselman and Darelle van Greunen

**UX AND USABILITY CRITERIA - INSIGHTS FROM A CASE
STUDY (S050)**

Rainer Blum, Birgit Bomsdorf and Dominik Rupprecht

13:00-14:30 Lunch Break

14:30-16:55 Session FSRP 28.2

User studies and fieldwork

(Room 1221)

**EXPLORING THE UNCANNY VALLEY WITH GEMINOID
HI-1 IN A REAL-WORLD APPLICATION (F097)**

*Christian Becker-Asano, Kohei Ogawa, Shuichi Nishio and Hiroshi
Ishiguro*

**DUAL VOTE: A NOVEL USER INTERFACE FOR E-VOTING
SYSTEMS (F102)**

*Damien MacNamara, Francis Carmody, Ted Scully, Ken Oakley,
Elizabeth Quane and J. Paul Gibson*

**PROGRAMMING A USER MODEL WITH DATA
GATHERED FROM A USER PROFILE (F120)**

*Daniel Scherer, Ademar V. Netto, Maria de Fátima Q. Vieira and
Yuska P. C. Aguiar*

**HOLISTIC WORKSPACE: FUTURE CONTROL ROOM
DESIGN (S066)**

Tobias Schwarz, Flavius Kehr, Klaus Hermes and Harald Reiterer

**AN EYETRACKING STUDY OF ARABIC TYPOGRAPHY
READABILITY (S067)**

Areej Al-Wabil and Remya P George

**USER STUDY ON EMOTION AND WEARABLE
TECHNOLOGY (R099)**

Tabin Hasan and Shabbir Hossain

14:30-16:30 Session FP 28.3

Affective User-centred analysis, design and evaluation

(Room 1139)

**THE LAYOUT OPTIMIZATION OF NEWSITE-INSERTED
ADVERTISEMENTS USING TWO CONFLICTING
OBJECTIVES (F046)**

Muraoka Kazuhio, Sakamoto Maki and Takadama Keiki

**INTEGRATING COLLABORATIVE TASK MODELING
WITH DEVICE SPECIFICATIONS (F049)**

Peter Forbrig and Maik Wurdel

**TRACKING HUMAN AND COMPUTER INTERACTION IN
E-LEARNING: AN APPLICATION TO COMPUTER**

MEDIATED COMMUNICATIONS (F062)

Madeth May, Sébastien George and Patrick Prévôt

**MOBILE AGENTS IN CRISIS SITUATIONS – ADAPTING
INFORMATION TO USER’S AFFECTIVE STATE (F107)**

*Ron Kok, Henriette Cramer, Frans Groen, Andi Winterboer, Gregor
Pavlin and Vanessa Evers*

20:00 – Conference Dinner

Thursday 29th, July 2010

08:30-18:00 Welcome Desk

09:00-11:10 Session FSP 29.1

Eliciting User Requirements // Creativity Support Systems
(Room 1228)

DESIGNING AND IMPLEMENTING AN INTERFACE FOR PERFORMANCE MONITORING AND CONTROL IN SERVICE-ORIENTED ENTERPRISES (F040)

Angelika I. Kokkinaki, Christodoulos Malekkos, George Malekkos and Monaliz Amir Khanpour

INTERACTION-CASES: MODEL-BASED DESCRIPTION OF COMPLEX INTERACTIONS IN USE CASES (F090)

Thomas Schlegel and Michael Raschke

A TABLETOP INTERFACE FOR GENERIC CREATIVITY TECHNIQUES (F029)

Marc René Frieß, Martin Kleinhans, Florian Forster, Florian Ehtler and Georg Groh

FINE-TUNING A CONTEXT-AWARE SYSTEM APPLICATION BY USING USER-CENTRED DESIGN METHODS (S106)

Juan Jimenez Garcia, Simone T Boerema, Hermie J Hermens and Paul Havinga

A METHOD OF DISCOVERING DESIGN SUBJECT AREA TO DEVELOP ATTRACTIVE PRODUCTS (S101)

Masami Maekawa and Toshiki Yamaoka

09:00-11:00 Session FSP 29.2

Usability // Generational differences and technology design
(Room 1016)

USABILITY AND HUMAN COMPUTER INTERACTION IN DEVELOPING WEBSITES: AN AUSTRALIAN PERSPECTIVE (F028)

Tomayess Issa and Andrew Turk

PHEASY – PHYSICAL EXERCISE ASSISTANCE SYSTEM – EVALUATION AND USABILITY STUDY (F108)

Jan Macek and Jan Kleindienst

A SURVEY ON VARIOUS FACTORS OF COLOR PREFERENCES (S026)

Ashraf Mohammed Iqbal and James Blustein

DECISION SUPPORT INTERFACE FOR TSUNAMI EARLY WARNING IN INDONESIA – DEALING WITH INFORMATION FUSION, UNCERTAINTY, AND TIME PRESSURE (S085)

Monika Friedemann, Ulrich Raape, Sven Teßmann, Thorsten Schöckel, Nils Sparwasser, Gregor Hochleitner and Christian Strobl

PROPOSING A NEW METHOD TO IMPROVE USABILITY IN COMMERCIAL OF THE SHELF (COTS) – ORACLE ERP APPLICATION (DOCUMENT SEQUENCE) (S109)

Mazhar Sadiq and Antti Pirhonen

09:00-09:45 Doctoral Consortium Session
(Room 1140)

11:00-11:30 Coffee Break

11:30-13:25 Session SRP 29.3

Emotional Design issues/methods/experiences for novel interfaces // The value of Affective Interfaces/ Systems/ Application/ Interaction
(Room 1228)

TOUCHING AND BEING TOUCHED: EMBODIED EXPERIENCES WITH BELONGINGS CARRIED THROUGH MEMORY AND TIME (S039)

Francesca Veronesi and Bert Bongers

IMPLEMENTING PERSONALITY ADJECTIVES AS BEHAVIORAL SCHEMES (S087)

François Bouchet and Jean-Paul Sansonnet

AFFECT-D/X - A FRAMEWORK FOR EMOTIONALLY CHARGED TRAINING (S076)

David L. Jones, Sven Fuchs and Katie Del Giudice

EMBODIED VIRTUAL OBJECTS (S073)

Andreas Kratky

EMOTIONAL FACTORS IN FACE RENDERING (S025)

Yvonne Jung and Sebastian Wagner

DESIGNING TANGIBLE INTERACTION WITH ANTHROPOMORPHIC SMART OBJECTS (R119)

Michael Schmitz

11:30-13:00 Poster Session

3D FINGERTIP LOCATION ESTIMATION WITH A SIMPLE HAND POSE MODEL AND THE DEPTH INFORMATION OF A TOF CAMERA (P014)

Yang-Keun Ahn, Young-Choong Park, Kwang-Soon Choi, Woo-Chool Park, Hae-Moon Seo, Kwang-Mo Jung and Ji-Man Hong

INFORMATION NEEDS FOR DEVELOPING A GREEN ELECTRONIC PRODUCT WEB SITE (P047)

Fei-Hui Huang and Wan-Zhang Iv

INVESTIGATING QUERY SCHEMES WITH MOBILE USERS ACROSS THE GLOBE (P053)

Paulo Santos and Cheryl L. Coyle

SERENDIPITY-BASED RECOMMENDER SYSTEM IN WEB SHOPPING (P059)

Fumiaki Sato, Atushi Otaki, Kiyohiko Hattori, Hiroyuki Sato, Keiki Takadama and Tomohiro Yamaguchi

RADIS: REAL TIME AFFECTIVE STATE DETECTION AND INDUCTION SYSTEM (P072)

Jae Woo Kim, Ge Jin, Sven Fuchs and Hesham Fouad

A GENERALIZED ARCHITECTURE FOR A NARRATIVE-BASED INTERACTIVE MULTIMEDIA SYSTEM (P084)

Gopala Krishna Koduri, Bipin Indurkha and Anupama Gali

A PROPOSAL ON USABILITY TASK ANALYSIS (P093)

Toshiki Yamaoka

MINIMALISM FOR USABILITY: THE DESIGN OF A PROGRAMMING DEVELOPMENT SYSTEM WITH A MINIMALISTIC USER INTERFACE (P114)

Ingemar Ragnemalm

VIRTUAL ASSEMBLY TRAINING SYSTEM USING A HAPTIC DEVICE (P115)

Young-Woo Nam and Tae-Jeong Jang

HEART RATE VARIABILITY: AN APPROACH TO MEASURE STRESS IN LONG HAUL FLIGHTS (P118)

Hao Liu, Jun Hu and Matthias Rauterberg

13:00-14:30 Lunch Break

14:30-16:55 Session FSRP 29.4
Supporting user populations with Physical Disabilities
(Room 1228)

A DOCUMENT PROCESSOR ORGANIZATION TO SUPPORT MULTIMODAL COMMUNICATION OF MATHEMATICS (F058)
Jackson W. Marques de Carvalho and Helmut Jürgensen
IDENTIFYING DESIGN-FOR-ALL CONSTRAINTS IN UPCOMING INTERACTION TECHNOLOGIES (F044)
Martin Böcker, Helge Hüttenrauch, Michael Pluke, Alejandro Rodriguez-Ascaso, Matthias Schneider and Erik Zetterström
DIRECT KEYBOARD MAPPING (DKM) FOR MYANMAR FINGERSPELLING TEXT INPUT (F086)
Ye Kyaw Thu, Sai Aung Win Maung and Yoshiyori Urano
SOFT KEYBOARD EVALUATIONS: INTEGRATING USER'S BACKGROUND IN PREDICTIVE MODELS (S035)
Bruno Merlin and Mathieu Raynal
EXPERIMENTAL PROTOCOL FOR ACCESSIBILITY EVALUATION (S117)
Ana C. O. Lima, Maria de Fátima Q. Vieira and Yuska P. C. Aguiar
ROSCOPY AND THE TEACHING OF HANDWRITING SKILLS FOR CHILDREN WITH DYSPRAXIA: RECENT AND RELATED SYSTEMS (R075)
Fakri Othman and Wendy Keay-Bright

14:30-17:00 Session FP 29.5
Usability
(Room 1224)

JOINT ANALYSIS OF STATIC AND DYNAMIC IMPORTANCE IN EYE-TRACKING RECORDS OF WEB PAGE READERS (F100)
Noriyuki Matsuda and Haruhiko Takeuchi
USABILITY EVALUATION OF SATNAV APPLICATION ON MOBILE PHONE USING MGQM (F043)
Azham Hussain and Maria Kutar
A PATTERN- AND MODEL-BASED LIFE-CYCLE-APPROACH FOR DEVELOPING HIGH-QUALITY INTERACTIVE APPLICATIONS (F054)
Jürgen Engel, Christian Märtin and Peter Forbrig
USABILITY-ENABLING SOFTWARE DESIGN GUIDELINES (F036)
Laura Carvajal and Ana M. Moreno
INTEGRATING USABILITY ASPECTS INTO MODEL-BASED DEVELOPMENT OF SMART ENVIRONMENTS (F055)
Peter Forbrig and Stefan Propp

INVESTIGATING THE INFLUENCE OF READING HABITS AND DESIGN FEATURES ON PERCEIVED ACCEPTANCE OF E-BOOK SYSTEMS – A CASE STUDY ON FLIPVIEWER XPRESS (F105)
Yin-Leng Theng, Anu Prasad Ramany, Chua Jit Chee, Tan Kee Siong and Ho Seng Beng
I-POT: A NEW APPROACH UTILISING VISUAL AND CONTEXTUAL CUES TO SUPPORT USERS IN GRAPHICAL WEB BROWSER REVISITATION (R015)
Siu-Tsen Shen, Stephen D. Prior and Kuen-Meau Chen

11:00-11:30 Coffee Break

11:30-13:25 Session FSRP 30.2
Participatory design and cooperative design techniques // Other
(Room 1228)

QUESTION-ANSWER APPROACH TO HUMAN-COMPUTER INTERACTION IN COLLABORATIVE DESIGNING (F027)
Petr Sosnin
ARCADE: A SIMPLE AND FAST AUGMENTED REALITY COMPUTER-AIDED DESIGN ENVIRONMENT USING EVERYDAY OBJECTS (F064)
Lai Xing Ng, S.K. Ong and A.Y.C. Nee
MODELLING TEMPORAL STRUCTURES OF MULTIMODAL USER INTERFACES (S071)
Martin Hudach, Stefan Grau, Jan-Torsten Milde and Birgit Bomsdorf
EVALUATION OF CURRENT USER INTERFACE GENERATOR FRAMEWORKS FOR GRAPHICAL INTERACTIVE SYSTEMS (S111)
Thomas Schlegel, Michael Raschke, Markus Knittig, Alexander Dridiger, Stefan Wokusch and Christiane Taras
THE ACTIVITY CIRCLE: A SOCIAL PROXY INTERFACE TO IMPROVE ATTITUDES TOWARDS WORKFLOW TECHNOLOGY (R030)
Marcello Sarini

13:35 Best Paper Awards Ceremony and Closing Session
(Room 1228)

Prof. Katherine Blashki and Prof. Pedro Isaías

Friday 30th, July 2010

08:30-13:45 Welcome Desk

09:00-11:15 Session FRP 30.1
Usability
(Room 1228)

USABILITY PRACTICES IN FINNISH MICRO-SIZED SOFTWARE DEVELOPMENT COMPANIES (F069)
Taina Lehtonen and Tapani N. Liukkonen
THE INTERDEPENDENCIES BETWEEN LOCATION EXPECTATIONS OF WEB WIDGETS (F070)
Anupama Gali and Bipin Indurkha
THE USER SATISFACTION WITH SOFTWARE SYSTEMS: AN EXPLORATORY STUDY (F094)
Tereza G. Kirner, José Carlos Perini and Claudio Kirner