

Exhibition

Monday & Tuesday • 9 am–5 pm • Wednesday • 9 am–4 pm • Augustus Ballroom

Exhibition

You are invited to visit the Exhibition Hall where the leading organizations and posters will demonstrate the latest in HCI International 2005.

Exhibitors

Advanced Brain Monitoring	Micro Analysis and Design
Aerospace Experimental Psychologies	Morgan Kaufmann Publishers
Anthrotronix	National Research Council of the National Academies
BMH Associates	Noldus Information Technology, Inc.
Boeing/AFRL	QinetiQ
Clemson University	QUASAR
Compumedics USA, Ltd.	Sandia National Laboratories
DaimlerChrysler Corporation	Springer
Design Interactive, Inc.	Seeing Machines
Electrical Geodesics	Taylor & Francis
Embry-Riddle Aeronautical University	TechSmith Corporation
Eye Response Technologies	Tobii Technology
Eye Tracking, Inc.	University of Hertfordshire
Florida Institute for Human and Machine Cognition	University of Illinois—Chicago and Industrial Virtual Reality
HCI International 2007	University of Virginia, Carnegie Mellon University and NovaSol
Honeywell	U.S. Army—Aberdeen Test Center
Human Bionics	User Centric, Inc.
ICS-Forth	VIRTE
Infrascan	VMASC/Old Dominion University
Lawrence Erlbaum Associates, Inc. Publishers	VRsonic Inc.
LC Technologies, Inc.	Wiley Publishing
Li Creative Technologies	
Lockheed Martin Advanced Technology Laboratories	
Mangold Software & Consulting	

Transport Safety Risks: Should We Tolerate Human Error?

Mark Young, Brunel University, United Kingdom & John Faulkner, University of New South Wales, Australia

A Comparison of the Usability and Effectiveness of Web-Based Delivery of Instructions for Inherently 3-D Construction Tasks with PDAs

Michael Sharp, Rensselaer Polytechnic Institute, USA

Outcome Measurement of Instillation of 0.45% Saline to Catheter Suction on the Endotracheal Patients

Tseng Yi, National Defense Medical Center, Taiwan

AUI WALK—Online Usability Test Application for Performance Analysis of Auditory Mappings

Alexander Nischelwitzer & Gerald Janisch, University of Applied Sciences, Joanneum, Austria

Design of 2-Dimension Fourier Interpolating Templates with Window

Li Wen-Yuan, Huang Xiang-Dong & Su Fei, Tianjin University, China

Effects of Color Combination of Traditional Chinese Texts on Reading Time and Preference Rating in RSVP Displays

Shih-Miao Huang, National Formosa University, Taiwan, Borshuing Liu, San Jonan University of Science & Technology, Taiwan & Chien-Hsiung Chen, National Taiwan University of Science & Technology, Taiwan

Human Error Seeds Simple Evaluation Method for Hospital Works

Yusaku Okada, Keio University, Japan

Computer and Human Adebayo Olajobi, Muto Tech Communication, Nigeria

Effects of Automation Reliability and Training on Monitoring Performance and Perceived Mental Workload

Indramani Singh & Anju Lata Singh, Banaras Hindu University, India

Simulating the Visual System of Compound Eye of Insects by Computer

Huang Xiang-Dong & Li Wen-Yuan, Tianjin University, China

Frequency Distributions for Names and Unconstrained Words Associated with the Letters of the English Alphabet

James Lewis, IBM Pervasive Computing Division, USA

Architecture and Ergonomics: Designing in Virtual Reality—Future of Choice?

Katarzyna Ujma-Wasowicz & Adam Gil, Silesian University of Technology, Poland

Using Personal Computers for Enhanced Presence Detection in Building Automation

Tobi Delbruck, Andi Fenkart & Raphael Zwiker, ETH/University of Zurich, Switzerland

Using Universal Design Concepts for an Assistive Technology Certificate Program

Kirk Behnke, California State University, Northridge, USA

A Typology of Website Genres

Abraham van der Vyver, Monash, SA, S. Africa

Enhanced VoiceXML

Jose Rouillard, Universite des Sciences et Technologies de Lille, France & Philippe Truillet, Université Paul Sabatier, France

A Dynamic and Interactive System for Managing the Information About the Reinforced Concrete Decay

Rossella Corrao, Antonio De Vecchi, Gabriella La Spina & Annalisa Marceca, University of Palermo, Italy

Shortcut Integrated Agent as Search Front

Ryosuke Saga, Guiha Jim, Yasuhiko Onitsuka, Akinori Kageyama & Hiroshi Tsuji, Osaka Prefecture University, Japan

Music Design Assistance Using Examples

Haruhiro Katayose, Kwansai Gakuin University, Japan

Application of the Episodic Model Association Matrix to Interface Design

Peter Patsula, Nanyang Technological University, Singapore

UKT—An Editing Tool for Multilingual Thesauri

Ute Koch, Social Sciences Information Center, Germany & Maximilian Eibl, GESIS, Germany

& Posters

Presenters will be at their posters during the scheduled morning break (10-10:30 am) and afternoon break (3:30-4 pm) each day, and other times at the discretion of presenter.

The Assessment of Spatial Presence— The Role of Task Load and User-Related Factors

Jari Laarni, Niklas Ravaja & Timo Saari,
Helsinki School of Economics, Finland

Augmented Reality: New Approach for Creating Unique Working Environment

Evgenia Chernenko & Tatiana Glotova,
Joensuu Science Park, Finland & Esko
Marjomaa, University of Joensuu, Finland

Privacy and Security in an On-Line Social Housing Community

Linda Macaulay, University of Manchester,
United Kingdom, Kathy Keeling,
Manchester Business School, United
Kingdom & Peter McGoldrick, University
of Manchester, United Kingdom

Harnessing the Power of a VoiceXML Engine to SMS Based HCI

Jose Rouillard, Universite des Sciences
et Technologies de Lille, France & Herve
Dutter, Converge Online, France

A Visual Environment for Tuning a Content-Based Vector Image Retrieval Engine

Tania Di Mascio, Daniele Frigioni & Laura
Tarantino, University of LAquila, Italy

Blended Learning and Multimedia for Adult People

Francisco Cipolla Ficarra, F&F Multimedia
Communications Corporation and
Universita degli Studi di Bergamo, Italy

A Single-Switch Performance Evaluation Tool

Blaise Liffick, Millersville University, USA,
Barry Romich, AAC Institute, USA & Katya
Hill, Edinboro University, USA

Supporting Stakeholder Collaboration Through Pair Writing

Adi Tedjasaputra & Eunice Ratna Sari,
TRANSLATE-EASY, Indonesia

How Long Should a Task Take? Identifying Specification Limits for Task Times in Usability Tests

Jeff Sauro, Oracle Inc., USA & Erika
Kindlund, Intuit, Inc., USA

Color Design Support by Color Selection Strategy Mapping Based on Designer Goals

Eric Cooper & Katsuari Kamei, Ritsumeikan
University, Japan

Reducing the Design Complexity of Auditory Environments

Palle Klante, OFFIS Research, Germany

Evaluating the Relationship Between the Man and the Computer: Interaction, Substitution or Maintenance?

Edson Paladini, Universidade Federal
de Santa Catarina, Brazil

Designer's Touch on Software Products

Ekin Dino & Cigdem Erbug, Middle East
Technical University, Turkey

Human Prosocial Response to Facial Expression of Interactive Agent

Yugo Takeuchi, Shizuoka University,
Japan & Takuro Hada, Nihon Denwa
Shisetsu, Japan

An Interactive Hybrid Swarm Optimization

Qing Luo, Haiyu Hou & Gerry Dozier,
Auburn University, USA

Analysis of Mediated Social Interactions: A Matrix of Methodological Confounds

Chad Harms, Iowa State University, USA

Human Interface Design for Controlling Home Appliances with Cellular Phones

Haeinn Lee, Iowa State University, USA

Compensating for the Eye-Hand Span Improves Gaze Control in Human-Computer Interfaces

Mei Xiao, Judelande Hyppolite, Marc
Pomplun & Sindhura Sunkara, University
of Massachusetts at Boston, USA &
Elena Carbone, University of Bielefeld,
Germany

Automatic Lettering Design Based on Human Kansei

Masazumi Miyoshi, Yoshifumi Shimoshio
& Hiroaki Koga, Kumamoto National
College of Technology, Japan

A Study on the Effects of the Usability of Products on User's Emotions—With Emphasis on an Extraction of User's Representative Emotions Expressed While Using Products

Sang-Hoon Jeong & Kun-Pyo Lee,
KAIST, S. Korea

Text-Based Communication Enhanced by Sharing Human Senses of Values Based on the Agreement Strength of Responding Phrases

Masayuki Ihara & Minoru Kobayashi,
NTT Corporation, Japan

Emphasis as an Extra-Linguistic Marker for Resolving Spatial and Temporal Ambiguities in Machine Translation for a Speech-to-Speech System Involving Greek

Christina Alexandris, Stavroula-Evita F.
Fotinea & Eleni Efthimiou, Institute for
Language and Speech Processing, Greece

Growing Virtuality in a Professional Association—A Data Driven Approach

Karsten Boye Rasmussen, University of
Southern Denmark, Denmark & Repke
de Vries, Royal Library of the Netherlands,
The Netherlands

Understanding the User Model of the Elderly People While Using Mobile Phones

Hsien-Hui Tang & Shih-an Kao, Chang
Gung University, Taiwan

Collaborative Work with Adapted Data Martin Klima & Pavla Slavik, Czech Technical University in Prague, Czech Republic

Autonomic Gaze Control of Avatars Using Voice Information in Virtual Space Voice Chat System

Kinya Fujita, Toshimitsu Miyajima &
Takashi Shimoji, Tokyo University of
Agriculture & Technology, Japan

Unlocking Potential of Research Projects for Broader Access to Education and Learning

Michela Ott, Lucia Ferlino & Mauro
Tavella, Istituto Tecnologie Didattiche-
CNR, Italy

On the Roles of a Modality- Independent and Task-Independent Dialogue Manager

Frederic Landragin & Celestin Sedogbo,
Thales Research & Technology, France

Interactive Image Exploration Using Relational Annotated Images Marcel Goetze & Stefan Schlechtweg, Otto-von-Guericke University of Magdeburg, Germany

Context Cube: Conceptual Framework of Context-Awareness for Ubiquitous Interaction Design Hyun-Jhin Lee, Hongik University, S. Korea & Hyun-Jeong Kim, KAIST, S. Korea

Bi-Modal Interaction Loop for a Geo-Spatial Query

Franck Dumoncel & Cyril Bazin, Greyc-
Universite de Caen, France, Mauro Gao,
LIUPPA-Universite de Pau, France &
Jacques Madelaine, Greyc-Universite de
Caen, France

An Approach to Optimizing the Employment of Training Media to Facilitate the Rapid Acquisition of Complex Satellite Systems Knowledge

Charles Barba, CHI Systems, Inc., USA,
H. Barbara Sorensen, Air Force Research
Laboratory, USA, Amanda Hafich &
Kelly Neville, CHI Systems, Inc., USA

Translating & Extending 2 Gestalt Grouping Principles to Include Time to Characterize Visual Motion on Screen: Good Continuation & Closure

Jinsook Kim & Sharon Poggenpohl,
Institute of Design, IIT, USA

Signification in Graphical User Interface Design

Rodrigo Campos, Pontifical University
do Rio de Janeiro, Brazil

Counting Effective Number of Buttons: An Informational Analysis of Input Device Performance

Toru Nakata, National Institute of
Advanced Industrial Science &
Technology, Japan

Turn-Taking in Controlled JSL Conversation

Eishi Watanabe, Kogakuin University,
Japan, Mina Terauchi, Polytechnic
University, Japan, Yuji Nagashima,
Kogakuin University, Japan & Kazuyuki
Kanda, Chukyo University, Japan

A Comparative Study of the Influence of Color as Culture-Dependent Design Element for Comfortable Websites Erika Saheki, Inoue Tomoyuki & Roberto Okada, Miyagi University, Japan

The Interaction Between ICT and Psychosocial Life Environment: From Young Urban Knowledge Workers to Students in School Ulrika Danielsson, Mid Sweden University, Sweden & Karin Danielsson, Umea University, Sweden

Shared Cognition and Resource Coordination in Distributed Decision-Making Teams Rita Vick, Quantum Leap Interactive, Inc., USA & Joseph McNamara, Quantum Leap Innovations, USA