Exhibition & Posters

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

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-Hsung 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, Guha Jim, Yasuhiko Onitsuka, Akinori Kagayama & Hiroshi Tsiji, Osaka Prefecture University, Japan

Music Design Assistance Using Examples
Haruhiro Katayose, Kwansei 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
Presenters will be at their posters during the scheduled morning break (10:00-10:30 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, Danielle Frignione & Laura Tarantino, University of L’Aquila, 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 Lifrick, Millersville University, USA, Barry Rominch, 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 & Katsuri 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, Hayou 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 Apiances with Cellular Phones
Haeinn Lee, Iowa State University, USA

Compensating for the Eye-Hand Span Improves Gaze Control in Human-Computer Interfaces
Mei Xiao, Juelandar Hyppolite, Marc Pompillun & 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 & Hirono 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

Color-Based Communication Enhanced by Sharing Human Senses of Values Based on the Agreement Strength of Responding Phrases
Masayuki Ibara & 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 Alexandri, Stavroula-Evita F. Fotina & Eleni Ethimiotou, Institute for Language and Speech Processing, Greece

Growing Virtuality in a Professional Association—A Data Driven Approach
Kasen Boye Rasmussen, University of Southern Denmark, Denmark & Repeke 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 & Pavol Štúr, Czech Technical University in Prague, Czech Republic

Autonomous 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 Sedgobo, Thales Research & Technology, France

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

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

Bi-Modal Interaction Loop for a Geo-Spatial Query
Franck Dumoncel & Cyril Bazin, Greyc-Universite de Caen, France & Mauro Gaio, LUPPA-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
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