The 12th International Conference on Humans and Computers
Conference Program - Hamamatsu Sessions

DECEMBER 9, 2009, Sanaru Hall

8:30  Registration

9:00  Opening Address

9:10-10:40  Session 1A  Session chair: Prof. Kamen Kanev, Shizuoka University

ID1564: (Virtual [World) Music]: A Collaborative Spatial Sonic Immersive World Musical Virtual Global Environment
Michael Frishkopf

ID2104: Sound Interface Design for Smart Table Computer Interaction
Karen Collins, Bill Kapralos, Kamen Kanev

ID2227: Print-based Interfaces for Multimodal Virtual Tours - Cryptosteganographic Affordances for Multimodal Interfaces and Immersive Experiences
Michael Cohen, Norbert Gyorbiro, Kamen Kanev

ID2303: Archetypal Sound Effect Icons for Improved Multimedia Accessibility
Karen Collins, Peter Taillon

ID2408: SONIDO: Using Sonification to Enhance Teaching and Learning of Network Intrusion Detection
Miguel Vargas Martin, Bill Kapralos, Miguel A. Garcia-Ruíz, Mark Green, Adrienne Brown

ID2557: Structured Models Design for Improved Speech Recognition
Konstantin Markov

10:40-11:00  Coffee Break

11:00-12:45  Session 1B  Session chair: Prof. Jieqing Feng, Zhejiang, University

ID3113: Generalization of the Log-aesthetic Curve
Kenjiro T. Miura, R.U. Gobithaasan

ID3214: Input of Log-aesthetic Curves by Control Points - Plugging an LA Curve Module in a Commercial Geometric Modeler
Ryo Shirahata, Shinichi Agari, Kenjiro T. Miura
ID3325: Numerical Aesthetic Measure of Curves
R.U. Gobithaasan, Jamaludin Md. Ali

ID3422: An Interactive Method for Generating Solid Primitives Based on Large-scale Point-clouds
Nozomi Kanata, Satoshi Fujii, Hiroshi Masuda

ID3505: A Cloud-rendering Method Using Ray Tracing and Smoothed Particle Hydrodynamics
Junji Sone, Takeshi Nishimura, Itaru Kaneko, Katsumi Yamada, Yoshimasa Tokuyama, Kouichi Konno, Kenjiro T. Miura

ID3602: Blurred Wire Netting Removal from an Image Using Multiple Focusing
Akiyoshi Matsui, Atsushi Yamashita, Toru Kaneko

ID3765: Virtualization in the Software Project Management
Evgeny Pyshkin, Andrey Bazhenov

12:45-13:45  Lunch Break

13:45-14:45  Session 1C  Session chair: Prof. Michael Cohen, University of Aizu

Susumu Ishihara

ID4215: Design of an Evolutionary Agent for Lifelog-based Automatic Editing
Tomomi Yamada, Ivan Tanev, Katsunori Shimohara

ID4323: An Assistive Robot for Children with Autism to Intensify Basic Imitation Skills
Tohru Matsumoto, P.Ravindra S. De Silva, Isao Fujimoto, Azusa Saito, Masatake Higashi

ID4419: Impact of the Technology Revolution in Rural Sri Lanka Areas Implementing a Banking System
Asanka D. Dharmawansay, R.P.C. Janaka Rajapaksez, Ashu Marasinghe

15:00-16:00  Session 1D  Session chair: Prof. Kamen Kanev, Shizuoka University

ID5106: High-Resolution Optical Imaging Technique Based on Active Control of Spatial Distribution of Structured Illumination
Shin Usuki, Satoru Takahashi, Kiyoshi Takamasu
ID5211: Ontology-based Annotations for Test Interpretation and Scoring
Noriyuki Matsuda, Kamen Kanev, Tsukasa Hirashima, Hirokazu Taki

Samith T. Wickramaarachchyi, R.P.C. Janaka Rajapaksez, Ashu Marasinghe

ID5463: A Possible Way of Determining the Local Contribution of the Topographical Masses to the Geoid of Sri Lanka
H.M.I. Prasanna

16:00-16:15  Coffee Break

16:15-18:00  Invited Session  Session chair: Prof. Kenjiro T. Miura, Shizuoka University
Invited Session Opening Speech by the President of the University of Aizu
Shigeaki Tsunoyama

ID1169: Fast Mesh Interpolation and Mesh Expansion with Applications
Shuhua Lai, Fuhua (Frank) Cheng

ID1239: Computer-Human Interaction in Industrial Applied Mathematics
Michael Vynnycky

ID1368: 2D Shape Manipulation and Morphing
Jieqing Feng

ID1466: Event Computing: Towards an Adaptive System Diagnosis
Petre Dini

18:30-20:30 Conference Reception at Hotel Concorde Hamamatsu

DECEMBER 10, 2009, Sougou Kenkyu Building

9:00-10:30  Session 2A  Session chair: Prof. Minetada Osano, University of Aizu
ID6137: An Approach to Building a Multilingual Translation Dictionary that Contains Case, Prepositional and Ontological Information
Maxim Mozgovoy, Tuomo Kakkonen

ID6220: How a Person is Isolated: an Approach to Expressing Human Stress in a Small-World Network
Yusuke Oki, Yuichi Yaguchi
ID6330: The Design and Implementation of Movie-based Algorithms for Direct Solution of Systems of Linear Algebraic Equations
*Dmitry Vazhenin, Alexander Vazhenin*

ID6426: Anticipatory Emotional Alert for Mobile Phone Communication
*Hapugahage Thilak Chaminda, Achini Basnayake, Minetada Osano*

ID6555: Task Verification Strategies in e-Learning Environment
*Dmitry Vazhenin, Ruth Cortez, Alexander Vazhenin*

ID6624: An Intelligent Decision Support System for the Multi-Agent Based Collaborated Supply Chain Network
*Achini Basnayake, Thilak Hapugahage, Minetada Osano*

10:30-10:45 Coffee Break

10:45-12:15 Session 2B Session chair: Prof. Kenjiro T. Miura, Shizuoka University

ID7158: Overview of the Current Russian Speech Recognition Technology
*Daria Vazhenina, Konstantin Markov*

ID7262: Wonderland–CVE Bridge
*Rasika Ranaweera, Nick Nagel, Michael Cohen*

ID7335: TwisToe: A Foot-Operated Physical Gaming Interface
*Tatsuya Kobayashi, Takuto Yanagida, Kamen Kanev*

ID7440: Surface Marking for Global Positioning and Navigation
*Hirotaka Kato, Kamen Kanev*

ID7509: An Algorithm to Generate Indicative Summaries for Japanese Documents
*Sayuri Ebisu, Vitaly Klyuev*

ID7631: Search Engine Query Expansion Using Japanese WordNet
*Ai Yokoyama, Vitaly Klyuev*

12:15-17:00 A field trip to a Suzuki production plant near Hamamatsu
The bus leaves right after the session and lunch will be offered on the way. After the trip the bus goes to the Museum of Musical Instruments and Hamamatsu railway station.