2009 Visual Information Communications International
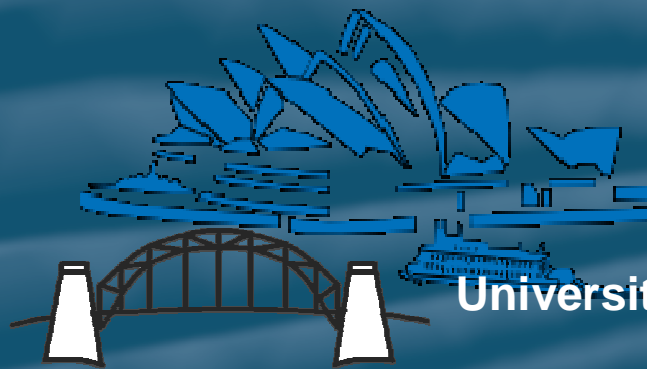
The Programme

24-25 September 2009
University of Technology, Sydney
Sydney, Australia

Thursday 24 September 2009

Lecture Theatre # CB02.4.11	
8:00	**Registration**
9:30	**Opening & Welcome** *Welcome & official opening from the University of Technology, Sydney* Prof. Hung Nguyen Dean of Faculty of Engineering and Information Technology *Conference welcome from VINCI'09 committee* Program Chair: A/Prof. Mao Lin Huang Faculty of Engineering and Information Technology
10:00	**Keynote Speak** Visual Analysis of Scientific Discoveries and Knowledge Diffusion A/Prof. Chaomei Chen, Drexel University, USA
11:00	**Morning Tea Break**
11:30	**Session 1: The Arts of Visual Layout, Presentation & Exploration** **Chair: TBA** The Physical Visualization of Information: Designing Data Sculptures in an Educational Context; *Andrew V. Moere, Stephanie Patel* Visual Analysis of History of World Cup: A Dynamic Network with Dynamic Hierarchy and Geographic Clustering; *Adel Ahmed, Xiaoyan Fu, Seok-Hee Hong, Quan H. Nguyen, Kai Xu* From Tree to Graph – Experiments with E-Spring Algorithm; *Pushpa Kumar, Kang Zhang, Mao L. Huang*
12:30	**Lunch Break**
13:30	**Session 2: The Arts of Visual Layout, Presentation & Exploration** **Chair: TBA** Visual Navigation with Schematic Maps; *Steffen Bogen, Ulrik Brandes, Hendrik Ziezold* DOI-Wave: A Focus+Context Interaction Technique for Networks Based on Attention-Reactive Interface; *Lei Ren, Lin Zhang, Dongxing Teng, Guozhong Dai, Qian Li* Multi-dimensional Data Visualization using Concentric Coordinates; *Jiawan Zhang, Yuan Wen, Quang V. Nguyen, Liangfu Lu, Mao L. Huang, Jiadong Yang, Jizhou Sun*
14:30	**Session 3: The Design of Visual Attributes, Symbols & Languages** **Chair: TBA** Construct Connotation Dictionary of Visual Symbols; *Ping Xiao, Ernesto Arroyo, Josep Blat* Constructing Confluent Context-Sensitive Graph Grammars from Non-confluent

	Productions for Parsing Efficiency; *Yang Zou, Jian Lü, Xiaoqin Zeng, Xiaoxing Ma, Qiliang Yang*
	Experimental Color in Computer Icons; *Yan-Peng Lim, Peter C. Woods*
15:30	**Afternoon Tea Break**
15:45	**Session 4: Methods for Visual Analytics & Knowledge Discovery** **Chair: TBA**
	Hidden Cluster Detection for Infectious Disease Control and Quarantine Management; *Yain W. Si, Kan I. Leong, Robert P. Biuk-Aghai, Simon Fong*
	Multi-Scale Vortex Extraction of Ocean Flow; *Cui Xie, Lihua Xiong, Cunna Liu, Xiao C. Li*
	A Novel Visualization Method for Detecting DDoS Network Attacks; *Jiawan Zhang, Guoqiang Yang, Liangfu Lu, Mao L. Huang, Ming Che*
	A Pool of Topics: Interactive Relational Topic Visualization for Information Discovery; *Inessa Seifert, Michael Kruppa*
18:00	**Dinner Banquet**

Friday 25 September 2009

	Lecture Theatre # CB02.4.11
9:00	**Registration**
10:00	**Keynote Speak** TBA Prof. Simeon Simoff, University of Western Sydney, Australia
11:00	**Morning Tea Break**
11:30	**Session 5: Systems, Interfaces and Applications of Visualization** **Chair: TBA** DaisyViz: A Model-based User Interface Toolkit for Development of Interactive Information Visualization; *Lei Ren, Feng Tian, Lin Zhang, Guozhong Dai* A New Interactive Platform for Visual Analytics of Social Networks; *Quang V. Nguyen, Mao L. Huang* Strategic Paths and Memory Map: Exploring a Building and Memorizing Knowledge; *Sandro Varano, Jean-Claude Bignon*
12:30	**Lunch Break**
13:30	**Session 6: Systems, Interfaces and Applications of Visualization** **Chair: TBA** Information Visualization Approach on the University Examination Timetabling Problem; *J. Joshua Thomas, Ahamad T. Khader, Bahari Belaton* Making Traffic Safety Personal: Visualization and Customization of National Traffic Fatalities; *Brian N. Hilton, Thomas A. Horan, Benjamin Schooley* Visualizing Table Dependency Relations to Reveal Network Characters in Database Applications; *Chengying Mao* Visualized Feature Modeling in Software Product Line; *Li Zheng, Chao Zhang, Zhanwei Wu, Yixin Yan*
14:50	**Session 7: Methods for Multimedia Data Recognition & Processing** **Chair: TBA** A Useful Visualization Technique: A Literature Review for Augmented Reality and its Application, limitation & future direction; *Donggang Yu, Jesse S. Jin, Suhuai Luo, Wei Lai, Qingming Huang* A Polarization Restraint Based Fast Motion Estimation Approach to H.264 Stereoscopic Video Coding; *Mingjing Ai, Lili Zhao, Yongmei Zhu, Qinping Zhao* Multi-Core Parallel of Photon Mapping; *Huaiqing He, Tianbao Wang, Qing Xu, Yaoyu Xing*
15:50	**Closing**