

The 7th International Symposium on Visual Information Communication and Interaction

VINCI 2014

Conference Program

Venue: CSIRO, Sydney (11 Julius Avenue, North Ryde, NSW 2113, Australia)

Day 1: Wednesday, 6 August 2014

LOCATION: Auditorium, CSIRO	
08:00 – 09:30	Registration
09:30 – 09:40	Welcome address: Dr. Tomasz Bednarz (CSIRO, conference chair)
09:40 – 10:00	Opening address: Dr. John Taylor (CSIRO)
10:00 – 11:00	Keynote Speech 1: Applying the weighted barycentre method to interactive graph visualization Professor Peter Eades, University of Sydney Chair: Kang Zhang
11:00 – 11:30	Morning Tea Break
11:30 – 12:00	Session 1: Information visualization Chair: Tony Huang <ul style="list-style-type: none"> Adaptive Visualization Interface That Manages User's Cognitive Load Based on Interaction Characteristics <i>Anatoly Yelizarov</i> CoVE: A Colony Visualization System for Animal Pedigrees <i>Brady Cannon, Minoti Hiremath, Cheryl Jorcyk and Alark Joshi</i> A Space-Filling Multidimensional Visualization (SFMDVis) for Interactive Visual Analytics <i>Tze-Haw Huang, Mao Lin Huang, Quang Vinh Nguyen and Laiping Zhao</i>
12:00 – 12:30	
12:30 – 13:00	
13:00 – 14:00	Lunch, Location TBA
14:00 – 14:30	Session 2: Graph drawing and visualization Chair: Peter Eades <ul style="list-style-type: none"> A Flip-Book of Edge-Splatted Small Multiples for Visualizing Dynamic Graphs <i>Michael Burch and Daniel Weiskopf</i> Visualizing Bag-of-Features Image Categorization Using Anchored Maps <i>Yi Gao, Hsiang-Yun Wu, Kazuo Misue, Kazuyo Mizuno and Shigeo Takahashi</i> Hyperbolic Tree + Time Disc: Visualizing Hierarchical Time-series Data <i>Ning Li, Zhifang Jiang, Zixiang Liu and Haoxin Sun</i>
14:30 – 15:00	
15:00 – 15:15	
15:15 – 15:45	Afternoon Tea Break
15:45 – 16:15	Session 3: Visual design and art Chair: Sai-Keung Wong <ul style="list-style-type: none"> Developing useful Visualizations of Domestic Energy Usage <i>Joris Suppers and Mark Apperley</i> How Should We Use Colour in Euler Diagrams? <i>Andrew Blake, Gem Stapleton, Peter Rodgers and John Howse</i>
16:15 – 16:45	

16:45 – 17:00	<ul style="list-style-type: none"> Data Visualisation Trends in Mobile Augmented Reality Applications <i>Callum Parker and Martin Tomitsch</i>
17:00 – 17:15	<ul style="list-style-type: none"> Design of a Tangible Data Visualization <i>Alireza Rezaeian and Jared Donovan</i>
17:15 – 18:00	<p>Poster Presentations and Poster Exhibition Chair: Michael Burch</p> <ul style="list-style-type: none"> Facial Expression Generation in 3D Space <i>Sahan Udana and Anuja Dharmaratne</i> Comparative impression analysis between real and virtual human skins <i>Fumie Banba, Takayuki Itoh, Naruhito Toyoda and Hitomi Otaka</i> An Android GPS-Based Navigation Application For Blind <i>Nisha K.K, Pruthvi H.R, Shwetha N Hadimani, G Ram Mohana Reddy, Ashwin T.S and Shridhar Domanal</i> A Feature Point Based Approach for Pose Variant Face Recognition <i>Madhawa Gunasekara, Anuja Dharmaratne and Damitha Sandaruwan</i> Semantic Human Activity Detection in Videos <i>Hiranth Weerathna and Anuja Dharmaratne</i> Study on influence of the visibility in store lighting <i>Hiroki Fujita, Yoshio Nakashima and Mamoru Takamatsu</i> Participatory Data Analytics: Collaborative Interfaces for Data Composition and Visualisation <i>Daniel Filonik</i>

Day 2: Thursday, 7 August 2014

LOCATION: Auditorium, CSIRO	
08:00 – 09:00	Registration
09:00 – 10:00	Keynote Speech 2: Interacting with Light: Spatial Augmented Reality Professor Bruce Thomas, University of South Australia Chair: Takayuki Itoh
10:00 – 10:30	Morning Tea Break
	Session 4: Visualization methodologies Chair: Kang Zhang
10:30 – 11:00	<ul style="list-style-type: none"> Parallel Coordinates with Data Labels <i>Hong Zhou, Panpan Xu, Zhong Ming and Huamin Qu</i>
11:00 – 11:30	<ul style="list-style-type: none"> Generating Reusable Visual Notations using Model Transformation <i>Iman Avazpour, John Grundy and Hai L. Vu</i>
11:30 – 12:00	<ul style="list-style-type: none"> Encapsulating Interaction Techniques of 3D Language Editors in Visual Patterns <i>Jan Wolter and Uwe Kastens</i>
12:00 – 12:15	<ul style="list-style-type: none"> Design Implications from the Preliminary Results of a Telemedicine Patient-Technology Interaction Study <i>Sakib Jalil, Trina Myers and Ian Atkinson</i>
12:15 – 12:30	<ul style="list-style-type: none"> Radial vs. Cartesian Revisited: A Comparison of Space-Filling Visualizations

	<i>Minwook Kim and Geoffrey M. Draper</i>
12:30 – 14:00	Lunch, Location TBA
14:00 – 14:30	<p>Session 5: Visualization applications Chair: Hong Zhou</p> <ul style="list-style-type: none"> Supporting Access Control within a Mockup-based EUDWeb Environment <i>Loredana Caruccio, Vincenzo Deufemia, Christopher D'souza, Giuseppe Polese and Athula Ginige</i>
14:30 – 15:00	<ul style="list-style-type: none"> A Time-based Visualization for Web User Classification in Social Networks <i>Andrew Brunker, Quang Nguyen, Anthony Maeder, Rhys Tague, Gregory Kolt, Trevor Savage, Corneel Vandelanotte, Mitch Duncan, Anetta Itallie, Cristina Caperchione, Richard Rosenkranz and Kerry Mummery</i>
15:00 – 15:15	<ul style="list-style-type: none"> Metaphors in Interactive Visual Analytics <i>Jacob Cybulski, Susan Keller and Dilal Saundage</i>
15:15 – 15:45	Afternoon Tea Break
15:45 – 16:15	<p>Session 6: Visualization on mobile devices and image processing Chair: Quang Vinh Nguyen</p> <ul style="list-style-type: none"> Ember: A Smartphone Web Browser Interface for the Blind <i>Isha Jassi, Ruchika S, Susmitha Pulakhandam, Subhayan Mukherjee, Ashwin T S and G Ram Mohan Reddy</i>
16:15 – 16:45	<ul style="list-style-type: none"> Aesthetic Mobile Visualization Supporting Awareness in Collaborative Software Development <i>Meng-Yao Chen, Cong Chen, Shu-Qing Liu and Kang Zhang</i>
16:45 – 17:00	<ul style="list-style-type: none"> Photomosaic Generation for Photograph Collection Browsing <i>Sakamoto Kiho and Itoh Takayuki</i>
17:00 – 17:15	<ul style="list-style-type: none"> Super Resolution to Identify License Plate Numbers in Low Resolution Videos <i>Lakkhana Mallikarachchi and Anuja Dharmaratne</i>
17:15 – 17:30	<ul style="list-style-type: none"> Monocular Human Motion Tracking in Latent Space based on Sequential Immune Genetic Algorithm <i>Yi Li, Zhenfeng Wu and Ting Sun</i>
19:00 – 22:00	Conference banquet (Captain Cook Cruises, Sydney Harbour)

Day 3: Friday, 8 August 2014

LOCATION: Auditorium, CSIRO	
08:00 – 09:00	Registration
09:00 – 10:00	<p>Keynote Speech 3: Twelve years of Diagrams Research Dr. Helen Purchase, University of Glasgow Chair: Peter Eades</p>
10:00 – 10:30	Morning Tea Break

10:30 – 11:00	Session 7: Design theory in the digital age Chair: Andrew Blake <ul style="list-style-type: none"> • Emergence and Artistic Visualization <i>Jennifer Seevinck</i> • Art and Chartjunk: A guide for NEUVis <i>Phillip Gough, Xavier Ho, Kate Dunn and Tomasz Bednarz</i> • Web-based Multiuser 3D Room Layout System Using Interactive Evolutionary Computation with Conjoint Analysis <i>Ryuya Akase and Yoshihiro Okada</i>
11:00 – 11:30	
11:30 – 12:00	
12:00 – 13:00	Lunch, Location TBA
13:00 – 14:00	Plenary talk: DataRemix: Have we all become information DJs? Professor Ruth West, University of North Texas Chair: Christopher Lueg
14:00 – 14:30	Session 8: Interaction methods Chair: Yoshihiro Okada <ul style="list-style-type: none"> • Interactive Sand Art Drawing Using Kinect <i>Kai-Min Chen and Sai-Keung Wong</i> • Vision Based Laser Controlled Keyboard System for the Disabled <i>Aarti Prabhu, Deeksha S D, Hiba Ahsan, Shridhar Domanal, Ashwin T S and G Ram Mohana Reddy</i> • Large Scale, Collaborative, Invasive Species Planning and Visualisation Tool <i>Dylan Mathiesen, Trina Myers and Ian Atkinson</i> • Using Your Fingers to Think: Interactive Exploration of Subjective Constraints <i>Andrew Bennett and Christopher Lueg</i>
14:30 – 14:45	
14:45 – 15:00	
15:00 – 15:15	
15:15 – 15:45	Afternoon Tea Break
15:45 – 16:15	Closing session