



iv2013 - 17<sup>th</sup> International Conference Information Visualisation

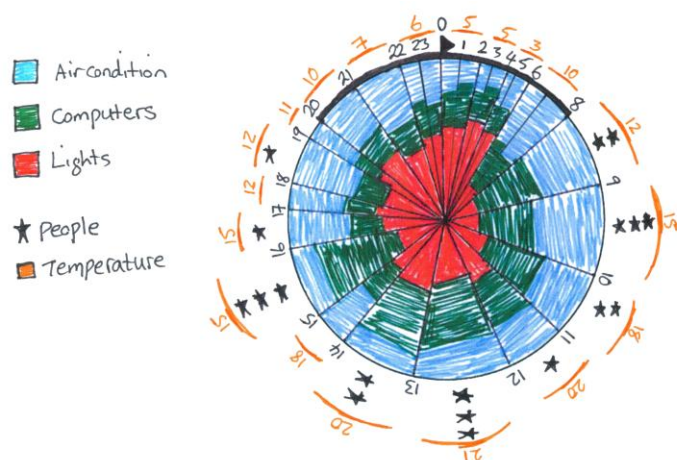
15, 16, 17 and 18 July 2013

SOAS, University of London • London • UK •

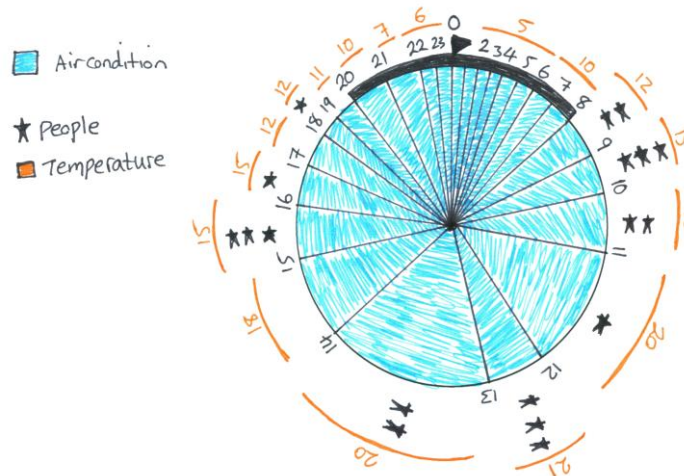
<http://www.graphicslink.co.uk/IV2013/>

Venue ~ <http://www.soas.ac.uk/>

# The PROGRAMME



© Time-pie visualization: Providing contextual information for energy consumption data



© Masoodian, Masood; Endrass, Birgit; Bühling, René; Ermolin, Pavel; André, Elisabeth



**iV2013 & cgiv2013 - DIGITAL ART GALLERY Online Exhibition**  
July 2013- June 2014



VIRTUAL GALLERY VENUE  
[www.graphicslink.co.uk/DART.htm](http://www.graphicslink.co.uk/DART.htm)



© Joohyun Jung Pyune ~ Before Me

**Exhibiting Artists:**

**Angela Ferraiolo**

**Anna Chupa**

**Bogdan Soban**

**Cody Gallagher**

**Dena Elisabeth Eber**

**Dorothy Aceves**

**Elizabeth Cooper**

**Elizabeth Cornell**

**Emily Schleiner**

**Emily Shapiro**

**Gabriele Peters**

**Gloria DeFilipps Brush**

**Harvey Goldman**

**Herve Lehning**

**Hillary Hia**

**Jennifer Gottlieb**

**Jing Ziou**

**Jocelyn Gurland**

**John Corbett**

**John Labadie**

**Joohyun Jung Pyune**

**Lane Last**

**Leslie Lockyer**

**Leslie Nobler Farber**

**Lindsay Alexander**

**Logan McGee**

**Margie Labadie**

**Matthew Cox**

**Mohammad Majid al-Rifaie**

**Philip Sanders**

**Raymond St. Arnaud**

**Richard Hopper**

**Safioulline Maxim**

**Santiago Echeverry**

**Sarawut Chutiwongpeti**

**Terry Trickett**

**Anna Ursyn**

**Vladimir Geroimenko**

**Yuqing Ye**



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## 6<sup>th</sup> Doctoral Research Workshop Information Visualisation

*Organised by*  
**Information Visualisation Society**

*In cooperation with*  
**Visualisation & Graphics Research Unit, LSBU**

The Information Visualisation Society (IVS) is an international organization that aims to provide a foundation for integrating the human-centred, technological and strategic aspects of information visualisation in order to promote international exchange, cooperation and development. Building upon the reported success of last year's workshop, IVS is pleased to announce the "**6<sup>th</sup> Doctoral Research Workshop**" which will run as part of the 16th International Conference on Information Visualisation (iV2013).

### **Doctoral Research workshop**

This workshop focuses on the issues that doctoral students face during their studies and includes following interactive sessions:

- Introduction to "What is a PhD? " from panel members
- A short tutorial on one of the key aspects that PhD issues
- **Case studies** - Presentation of number of case studies from PhD students candidates to the workshop with aim that highlights the issues that facing in the course of their studies.
- **Expert panel feedback** - Each presentation is followed by discussion and suggestion not only from panem members but from fellow researchers.
- **Expert tips on individual PhD student presentation and research.**

## 6<sup>th</sup> Information Visualisation SHOWCASE

*Organised by*  
**Visualisation & Graphics Research Unit, LSBU**

The SHOWCASE is a cooperative process for the presentation and discussion of your software, ideas and research.

The objective of the SHOWCASE is to provide delegates with the opportunity to present their work in a truly meaningful manner. This event provides presenters with the opportunity to proactively engage with a range of delegates from Academia and Industry in the broad field of Information Visualization.

Authors of posters, accepted for publication in the Book of Abstracts, will be offered a flexible format for display. Additionally, authors of full papers, accepted for publication in the IEEE published Conference Proceedings, may prefer to present their work during the SHOWCASE event, as opposed to the traditional oral presentation.

For example

- You may want to do a traditional poster display.
- You may want to give a demonstration of your software using a laptop.
- You can even bring your own equipment and do something entirely different.

Just let us know what you require and we will discuss these arrangements with you directly.

### **Showcase Interaction**

During the SHOWCASE **interaction** will be **pro-actively supported**. During the session, presenters will be able to request one or more of the following interaction opportunities

1. **Usability study:** We can arrange for another iV2013 delegate to visit you in order to participate in a usability evaluation
2. **Peer-to-Peer feedback:** We can arrange for a relevant conference programme committee member or delegate to visit you and provide you with feedback

3. **Expert tips:** We can arrange for one of our Experts to visit you briefly during the SHOWCASE event

### Additional Benefits

- Delegates who have the opportunity to present their work via the SHOWCASE event present their work to all iv2013 delegates.
- The SHOWCASE is a **unique single track event** scheduled mid-way through the Conference, over a two-hour session.

### Showcase Exhibitors:

Applying 3D Dynamic Visualisation to (Palaeo)  
Geomorphic Reconstruction: Modelling a  
Tenth Century Jökulhlaup at Sólheimajökull  
Glacier, South Iceland

Booth, Laura M; Isaacs, John P  
University of Dundee, UK

Visual Search And Processing for Lexeme and  
Morpheme Constructs

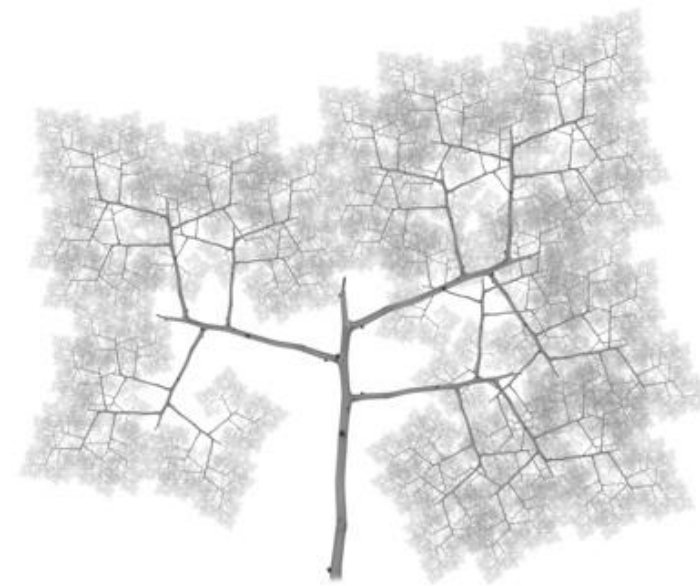
Lin, Hsin Hsin  
NFOTECH Research & Consultancy,  
Singapore

Visual Clustering for Large Scale Commercial  
Enterprises

Dhot, Tarundeep; Charkhabi, Masoud  
Canadian Imperial Bank of Commerce,  
Canada

Trans medium methodology ,Interdependency  
of medium and meaning production

Fazel, Maryam  
Sheffield university



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Tessellations Company

This tree was constructed by graphically iterating a photographic building block created from photographs of some twigs from a palo verde tree. Modification of the original photographs to allow seamless joining of smaller and larger copies of the building block, and the 15 iterations involved in the construction process, were performed.

## Monday 15 July 2013

10:00	< SOAS - The Brunei Gallery • <b>Level 2</b> >
	<b>Registration</b>
10:30	< SOAS - The Brunei Gallery • <b>B211</b> >
-	<b>Doctoral Research Workshop</b>
13:00	Chairs: Banissi, Prof. Ebad, London South Bank University, UK Subject Liasing Committee chairs: John Counsell
	<b>10.00 Registration</b>
	<b>10.30 Opening &amp; Welcome from discussion Panel members</b>
	<b>10:45 Panel member contribution on Doctoral issue</b> < Research Proposal & Research Questions>
	<b>11:00 Doctoral Researcher Contribution:</b> Patrizia Schettin, Universita della Svizzera italiana , Switzerland “The intercultural and immersive museum” Sourav Dalal, VGRU, London South Bank University, United Kingdom, “Mapping Visual comfort zone for 3D Stereoscopic viewing” Nada Nawaf Mohammed, VGRU, London South Bank University, United Kingdom, “3D Stereoscopic Compression”
	<b>12:30 Panel member Discussion</b> < Literature Review>
13:00	< SOAS - The Brunei Gallery • <b>SOAS Main Building Dinner</b> >
	<i>Lunch Break</i>
14:00	< SOAS - The Brunei Gallery • <b>B211</b> >
-	<b>Doctoral Research Workshop</b>
17:00	<b>14.00 Panel member contribution on Doctoral issue</b> < Research Methodology>
	<b>14:15 Doctoral Researcher Contribution:</b> Cher Devey, City University London, United Kingdom, “A framework for organisations to manage cyber risk and data breach events in terms of governance, risk and compliance” Amlendu Kumar, VGRU, London South Bank University, United Kingdom, “A frame work for Strategic Planning”
	<b>15:10 Panel Discussion</b> < Writing Research Thesis>
	<b>15:30 Break</b>
	<b>16:00 Doctoral Researcher Contribution:</b> Ahmad Aljamal, VGRU, London South Bank University, United Kingdom, “Design Language of Islamic Geometric Patterns (IGP)” John St Marthe, VGRU, London South Bank University, United Kingdom, “A Framework for Serious Games in Health”
	<b>16:45 Panel Discussion</b> < The assessment>
	<b>17:00 Close</b>



10:00 - 17:00	<p>&lt; SOAS - The Brunei Gallery • B204 &gt;</p> <p><b>Information Visualization – A course</b></p> <p>Prof. Bob Spence, Imperial College London, UK</p> <p><b>ABSTRACT</b></p> <p>Bob Spence is the author of one of the two (equally) most popular textbooks on information visualization. His one-day course is directed, not at researchers, but rather to two groups of people. One group comprises students who come to information visualization for the first time: they can come from any discipline, especially since no knowledge of computer science or mathematics is required. The other group potentially interested in the course comprises those who have to teach the subject and who wish to see one approach to that task.</p> <p><b>Biography</b></p> <p><b>Bob Spence</b> has been conducting research into Human-computer Interaction, and information visualization in particular, since 1968. He regularly presents an updated course on information visualization every year at Imperial College London, the Technical University of Eindhoven in The Netherlands and, from 2013, Madeira University (Portugal). Bob is a Fellow of the Royal Academy of Engineering.</p> <p>10:00 Registration  10:30 Morning session  11:30 Break  12:00 Late Morning session  13:00 Lunch Break  14:00 Afternoon session  15:15 Break  15:45 Late Afternoon session  17:00 Finish</p>
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## Tuesday 16 July 2013


09:00	< SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre Foyer> <b>Registration</b>
10:15	< SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre > <b>Opening &amp; Welcome</b> <b>Subject Liasing Committee chairs:</b> Prof Ebad Banissi, London south Bank University, UK Prof. Francis T. Marchese, Pace University, USA Prof. Gilles Venturini, University Francois Rabelais of Tours, France Dr. Hanane Azzag, University of Paris 13, France Prof. Martin J. Eppler, University of St.Gallen, Switzerland
10:30	< SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre> <b>Session iV2013_1.1: Information Visuaisation</b> Chair: Prof. Bob Spence, Imperial College London, UK  < keynote Lecture > <b>Machine Analysis of Facial Behaviour</b> Prof. Maja Pantic, Imperial College London, Computing Dept., UK
11:30	< SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre Foyer > <i>Break</i>



12:00 - 13:00	< SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre >	
	<b>Session iV2013_1.2: Information Visualisation</b> Chair: Prof. Randolph George Goebel, University of Alberta, Canada <b>Matching Application Requirements with Dynamic Graph Visualization Profiles</b> <u>Fabian Beck</u> <sup>1</sup> , <u>Michael Burch</u> <sup>1</sup> , <u>Stephan Diehl</u> <sup>2</sup> <sup>1</sup> VISUS, University of Stuttgart, Germany; <sup>2</sup> University of Trier, Germany <b>Multivariate Network Exploration with JauntyNets</b> <u>Ilir Jusufi</u> , <u>Andreas Kerren</u> , <u>Biörn Zimmer</u> Linnaeus University, Sweden, ISOVIS Group <b>Edge Bundling by Rapidly-Exploring Random Trees</b> <u>Michael Burch</u> , <u>Hansjoerg Schmauder</u> , <u>Daniel Weiskopf</u> VISUS, Germany	
13:00	< SOAS - The Brunei Gallery • SOAS Main Building Dinner >	
	Lunch Break	
14:15 - 15:30	< SOAS - The Brunei Gallery • B202 > <b>Session iV2013_1.3: Information Visualisation - Theory &amp; Techniques - I</b> Chair: Prof. Francis T. Marchese, Pace University, USA <b>System Log Visualization Adopting Variable Recommendation and Feature-Based Filtering</b> <u>Aki Hayashi</u> <sup>1</sup> , <u>Takayuki Itoh</u> <sup>1</sup> , <u>Satoshi Nakamura</u> <sup>2</sup> <sup>1</sup> Ochanomizu University, Japan; <sup>2</sup> Meiji University, Japan <b>Force-Directed Parallel Coordinates</b> <u>Rick Walker</u> <sup>1</sup> , <u>Philip Alexander Legg</u> <sup>2</sup> , <u>Serban Pop</u> <sup>1</sup> , <u>Zhao Geng</u> <sup>1</sup> , <u>Robert S Laramée</u> <sup>2</sup> , <u>Jonathan C Roberts</u> <sup>1</sup> <sup>1</sup> School of Computer Science, Bangor University, UK; <sup>2</sup> School of Computer Science, Swansea University, UK <b>Prefix Tag Clouds</b> <u>Michael Burch</u> , <u>Steffen Lohmann</u> , <u>Daniel Pompe</u> , <u>Daniel Weiskopf</u> University of Stuttgart, Germany <b>Radial Layered Matrix Visualization of Dynamic Graphs</b> <u>Corinna Vehlouw</u> , <u>Michael Burch</u> , <u>Hansjörg Schmauder</u> , <u>Daniel Weiskopf</u> University of Stuttgart, Germany	< SOAS - The Brunei Gallery • B211 > <b>Session GMAI2013_1.4: Geometric Modeling &amp; Imaging</b> Chair: Dr. David Bednarek, Charles University in Prague, Czech Republic <b>A new approach for 3D craniometric measurements using 3D skull models</b> <u>Paulo Dias</u> <sup>1</sup> , <u>Daniel Santos</u> <sup>1</sup> , <u>Danilo Souza</u> <sup>1</sup> , <u>Helder Santos</u> <sup>2</sup> , <u>Catarina Coelho</u> <sup>2</sup> , <u>Maria Teresa Ferreira</u> <sup>2</sup> , <u>Eugénia Cunha</u> <sup>3</sup> , <u>Beatriz Sousa Santos</u> <sup>1</sup> <sup>1</sup> Department of Electronics Telecommunications and Informatics, IEETA, University of Aveiro, Portugal; <sup>2</sup> Grupo Dryas Octopetala, Coimbra, Portugal; <sup>3</sup> CENCIFOR – Forensic Sciences Center, University of Coimbra, Portugal <b>Cave chamber data modeling and 3D Web visualization</b> <u>José Inácio Jesus Rodrigues</u> <sup>1,2,4</sup> , <u>Ivo Silvestre</u> <sup>1</sup> , <u>Mauro Figueiredo</u> <sup>1,2,4</sup> , <u>Cristina Veiga-Pires</u> <sup>1,2,3</sup> <sup>1</sup> University of Algarve, Portugal; <sup>2</sup> Centro de Investigacao Marinha e Ambiental – CIMA; <sup>3</sup> Faculdade de Ciências e Tecnologia – Universidade do Algarve; <sup>4</sup> Instituto Superior de Engenharia – Universidade do Algarve <b>Surface Modeling Using Partial Differential Equations: A Survey</b> <u>Lihua You</u> <sup>1</sup> , <u>Xiaogang Jin</u> <sup>2</sup> , <u>Xiangyu You</u> <sup>3</sup> , <u>Jian J. Zhang</u> <sup>4</sup> <sup>1</sup> Bournemouth University, United Kingdom; <sup>2</sup> Zhejiang University, China; <sup>3</sup> Coventry University, United Kingdom; <sup>4</sup> Bournemouth University, United Kingdom

14:15	< SOAS - The Brunei Gallery • B204 >
-	<b>Session IV2013_1.5:</b> Knowledge Visualization and Visual Thinking
15:20	Chair: Prof. Martin J. Eppler, University of St.Gallen, Switzerland
	<b>Visual Support for Project and Portfolio Management</b>
	<b>Manuela Rauch<sup>1</sup>, Wolfgang Kienreich<sup>1</sup>, Gerald Aquila<sup>2</sup>, Vedran Sabol<sup>1</sup></b>
	<sup>1</sup> Know-Center GmbH, Austria; <sup>2</sup> Onepoint Software GmbH, Austria
	<b>Visualizing conceptual relations in legal terminology</b>
	<b>Chris Culy<sup>1</sup>, Elena Chiocchetti<sup>2</sup>, Natascia Ralli<sup>2</sup></b>
	<sup>1</sup> University of Tuebingen, Germany; <sup>2</sup> European Academy Bolzano, Italy
	<b>An Experimental Evaluation on the Impact of Visual Facilitation Modes on Idea Generation in Teams</b>
	<b>Martin J. Eppler<sup>1</sup>, Heidi Forbes Öste<sup>2</sup>, Sabrina Bresciani<sup>1</sup></b>
	<sup>1</sup> University of St. Gallen, Switzerland; <sup>2</sup> The Art of Social Strategy, a division of 2BalanceU AB, Malmö, Sweden
	<b>10 Years after Tufte's "Cognitive Style of PowerPoint": Synthesizing its Constraining Qualities</b>
	<b>Sebastian Kernbach<sup>1</sup>, Sabrina Bresciani<sup>2</sup></b>
	<sup>1</sup> University of Lugano, Switzerland; <sup>2</sup> University of St. Gallen, Switzerland
	< SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre Foyer >
<b>15:20</b>	<i>Break</i>

15:50 - 17:00	<p style="text-align: center;">&lt; SOAS - The Brunei Gallery • <b>B202</b> &gt; &gt;</p> <p><b>Session iV2013_1.6:</b> Information Visualisation – Applications Chair: Dr Richard Brath, Oculus Info Inc., USA</p> <p><b>Combining Scientific and Information Visualization Artifacts for Complex System Diagnosis</b> <u>Adrian Rusu</u><sup>1</sup>, Radu Jianu<sup>2</sup> <sup>1</sup>Rowan University, U.S.A.; <sup>2</sup>Florida International University, U.S.A.</p> <p><b>Low-dimensional Parallel Coordinates Collection for High-dimensional Data Visualization</b> <u>Haruka Suematsu</u><sup>1</sup>, Zheng Yunzhu<sup>1</sup>, Takayuki Itoh<sup>1</sup>, Ryohei Fujimaki<sup>2</sup>, Satoshi Morinaga<sup>3</sup>, Yoshinobu Kawahara<sup>4</sup> <sup>1</sup>Ochanomizu University, Japan; <sup>2</sup>NEC Laboratories, America; <sup>3</sup>NEC, Japan; <sup>4</sup>Osaka University, Japan</p> <p><b>A Matrix-Based Visualization for Exploring Dynamic Compound Digraphs</b> <u>Michael Burch</u>, Benjamin Schmidt, Daniel Weiskopf VISUS, Germany</p> <p>&lt; short paper &gt; <b>A Linked Visualization of Trajectory and Flow Quantity to Support Analysis of People Flow</b> <u>Fukute Aya</u><sup>1</sup>, Onishi Masaki<sup>2</sup>, Itoh Takayuki<sup>1</sup> <sup>1</sup>Ochanomizu University, Japan; <sup>2</sup>National Institute of Advanced Industrial Science and Technology, Japan</p>	<p style="text-align: center;">&lt; SOAS - The Brunei Gallery • <b>B211</b> &gt;</p> <p><b>Session GMAI2013_1.7:</b> Geometric Modeling &amp; Imaging Chair: Prof. Carlos Ferreira, University of Aveiro, Portugal</p> <p><b>Novel Approach for Surface to Surface Intersection Approximation</b> <u>Muhammad Sarfraz</u><sup>1</sup>, Misbah Irshad<sup>2</sup> <sup>1</sup>Kuwait University, Kuwait; <sup>2</sup>Punjab University, Pakistan &lt;***&gt;</p> <p><b>Robust and Sparse RGBD Data Registration of Scene Views</b> <u>abdenour amamra</u>, nabil aouf cranfield university, United Kingdom</p> <p><b>A bi-phase model of folding Origami interactively with gap representation</b> <u>Mariko Sasakura</u><sup>1</sup>, Kengo Tanaka<sup>1</sup>, Emika Yamashita<sup>1</sup>, Hiroyuki Tanabe<sup>2</sup>, Takeshi Kawakami<sup>2</sup> <sup>1</sup>Okayama University, Japan; <sup>2</sup>I. P. System Inc.</p>
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15:50 - 17:00	<p style="text-align: right;">&lt; SOAS - The Brunei Gallery • B204 &gt;</p> <p><b>Session Vis2013_1.8: Visualization, Art, and Design</b> Chair: Prof. Vladimir Geroimenko, Plymouth University, UK</p> <p><b>Virtues and Vices: Examples of Medieval Knowledge Visualization</b> <u>Francis T. Marchese</u> Pace University, United States of America</p> <p><b>A mathematical look to the world</b> <u>Hervé Lehning</u> www.lehning.eu, France</p> <p><b>Magic Squares and Aesthetic Events</b> <u>Hans Eberhard Dehlinger</u><sup>1</sup>, Fang You<sup>2</sup>, Jian Ming Wang<sup>3</sup>, Ming Jiao<sup>3</sup> <sup>1</sup>University of Kassel, School of Art, Germany; <sup>2</sup>School of Communication and Design, Sun Yat-sen University, Guangzhou, China; <sup>3</sup>School of Software, Sun Yat-sen University, Guangzhou, China</p>
17:00 	<p style="text-align: right;">&lt; SOAS - The Brunei Gallery • ## &gt;</p> <p><b>Session iV2013_1.9: Animation, Special Effects and Multimedia Show</b> Chair: Bannatyne, Prof. Mark, IUPUI, USA &lt;***&gt;</p>


## Wednesday 17 July 2013

09:00	< SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre Foyer >	
	<i>Registration</i>	
09:30 - 11:15	<p style="text-align: center;">&lt; SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre &gt;</p> <p><b>Session iV2013_2.1:</b> Information Visualisation – Theory &amp; Techniques Chair: Prof. Vladimir Geroimenko, Plymouth University, UK</p> <p><b>Text Visualization_Expressive Materials and Diverse Approaches</b> <u>Hyoyoung Kim</u> Chung-Ang University, Korea, Republic of (South Korea) &lt;++++&gt;</p> <p><b>Evaluating MoodPic – A Concept for Collaborative Mood Music Playlist Creation</b> <u>Arto Juhani Lehtiniemi</u><sup>1</sup>, Jarno Ojala<sup>2</sup> &lt;presenter: <u>Harri Siirtola</u>&gt; <sup>1</sup>Nokia Research Center, Finland; <sup>2</sup>Tampere University of Technology, Finland</p> <p><b>Voronoi-Based Label Placement for Metro Maps</b> <u>Hsiang-Yun Wu</u><sup>1</sup>, Shigeo Takahashi<sup>1</sup>, Chun-Cheng Lin<sup>2</sup>, Hsu-Chun Yen<sup>3</sup> <sup>1</sup>The University of Tokyo, Japan; <sup>2</sup>National Chiao Tung University, Taiwan; <sup>3</sup>National Taiwan University, Taiwan</p> <p><b>Time-pie visualization: Providing contextual information for energy consumption data</b> <u>Masood Masoodian</u><sup>1</sup>, <u>Birgit Endrass</u><sup>2</sup>, René Bühling<sup>2,3</sup>, Pavel Ermolin<sup>2</sup>, Elisabeth André<sup>2</sup> <sup>1</sup>The University of Waikato, Hamilton, New Zealand; <sup>2</sup>Augsburg University, Germany; <sup>3</sup>University of Applied Sciences, Augsburg, Germany</p> <p><b>Interactive Curriculum Visualization</b> <u>Harri Siirtola</u>, Kari-Jouko Räihä, Veikko Surakka University of Tampere, Finland</p> <p><b>Checked Tree: Interactive Toolset for Flexible Data Exploration</b> <u>Vladimir Guchev</u> Moscow State University of Railway Engineering, Russian</p>	<p style="text-align: center;">&lt; SOAS - The Brunei Gallery • B202 &gt;</p> <p><b>Session Viz2013_2.2:</b> Co-operative Design Visualisation Chair: Prof. Francis T. Marchese, Pace University, USA</p> <p><b>Colored Mosaic Matrix: Visualization Technique for High-Dimensional Data</b> <u>Hiroaki Kobayashi</u><sup>1</sup>, Kazuo Misue<sup>2</sup>, Jiro Tanaka<sup>2</sup> <sup>1</sup>Department of Computer Science, University of Tsukuba; <sup>2</sup>Faculty of Engineering, Information and Systems, University of Tsukuba</p> <p><b>Web3D GIS for city models with CityGML and X3D</b> <u>José Inácio Jesus Rodrigues</u><sup>1,2</sup>, Mauro Figueiredo<sup>1,2</sup>, Celso P. Costa<sup>1</sup> <sup>1</sup>University of Algarve, Portugal; <sup>2</sup>Centro de Investigação Marinha e Ambiental, Portugal</p> <p><b>The Effect of Stereoscopic Immersive Environments on Projection-based Multi-dimensional Data Visualization</b> <u>Ronak Etemadpour</u><sup>1</sup>, Eric Monson<sup>2</sup>, Lars Linsen<sup>1</sup> <sup>1</sup>Jacobs University, Bremen, Germany; <sup>2</sup>Duke University, Durham, NC, USA.</p> <p><b>Developing a Novel Approach for 3D Visualisation of Tarland</b> <u>Chen Wang</u>, David Miller, Yang Jiang, Jane Morrice The James Hutton Institute, UK</p> <p>&lt; short paper &gt; <b>Comparison of Advanced and Standard Real-Time 3D Rendering Methods for Interactive Landscapes</b> <u>Vladeta Stojanovic</u>, Ruth Falconer, John Isaacs, David Blackwood, Daniel Gilmour</p> <p>&lt; poster &gt; <b>Applying 3D Dynamic Visualisation to (Palaeo) Geomorphic Reconstruction: Modelling a Tenth Century Jökulhlaup at Sólheimajökull Glacier, South Iceland</b> Laura M Booth, John P Isaacs School of Environment, University of Dundee, UK</p>

<p>09:30 - 11:15</p>	<p style="text-align: center;">&lt; SOAS - The Brunei Gallery • B204 &gt;</p> <p><b>Session iV2013_2.3: Multimedia</b> Chair: John Counsell, Cardiff Metropolitan University, UWIC, UK</p> <p><b>An Interactive Virtual Environment for Teaching “Triangulations and Coordinates Calculations” to Surveying Students</b> <u>Nicoletta Adamo-Villani</u>, Hazar Dib, Stephen Garver Purdue University, United States of America &lt;+++&gt;</p> <p><b>Effectiveness of Note-taking Content Features on Test Scores in Online Courses</b> <u>Minoru Nakayama</u><sup>1</sup>, Kouichi Mitsuura<sup>2</sup>, Hiroh Yamamoto<sup>1</sup> <sup>1</sup>Tokyo Institute of Technology, Japan; <sup>2</sup>Shinshu University, Japan</p> <p><b>UAV Sensor Operator Training Enhancement through Heat Map Analysis</b> <u>Ashish Amresh</u>, John Femiani, Jason Fairfield, Adam Fairfield Arizona State University, United States of America</p> <p>&lt; short paper &gt; <b>Effectiveness of Note-taking Content Features on Test Scores in Online Courses</b> <u>Minoru Nakayama</u><sup>1</sup>, Kouichi Mitsuura<sup>2</sup>, Hiroh Yamamoto<sup>1</sup> <sup>1</sup>Tokyo Institute of Technology, Japan; <sup>2</sup>Shinshu University, Japan</p> <p>&lt; short paper &gt; <b>Using a Serious Game Approach to Teach ‘Operator Precedence’ to Introductory Programming Students</b> <u>Nicoletta Adamo-Villani</u>, Robb Cutler, Thomas Haley-Hermiz, Andrew Cutler Purdue University, United States of America &lt;+++&gt;</p> <p>&lt; short paper &gt; <b>A Process of Seamlessly Replacing CG Elements into Live-action Footage</b> <u>Jin Zhi</u> University of Dundee, United Kingdom</p>	<p style="text-align: center;">&lt; SOAS - The Brunei Gallery • B211 &gt;</p> <p><b>Session Vis2013_2.4 : Advances in Interactive and Visual Data Clustering</b> Chair: Dr. Hanane Azzag, University of Paris 13, France</p> <p><b>A new measure for group outliers detection and visualization</b> <u>Amine Chaibi</u>, Mustapha Lebbah, Hanane Azzag University of Paris 13, France</p> <p><b>An Interactive, Example-Based, Visual Clustering System</b> <u>Pierrick Bruneau</u>, Benoit Otjacques CRP - Gabriel Lippmann, Luxembourg</p> <p><b>Nonlinear dimensionality reduction for cluster identification in metagenomic samples</b> Andrej Gisbrecht, Barbara Hammer, <u>Bassam Mokbel</u>, Alexander Sczyrba Bielefeld University, Germany</p> <p><b>A Semi-Supervised Approach to Visualizing and Manipulating Overlapping Communities</b> <u>Patrick M. Dudas</u>, Martijn A. de Jongh, Peter Brusilovsky University of Pittsburgh, United States of America</p> <p>&lt; short paper &gt; <b>Cluster coloring of the Self-Organizing Map: An information visualization perspective</b> <u>Peter Sarlin</u>, <u>Samuel Rönnqvist</u> Åbo Akademi University, Turku Centre for Computer Science – TUCS, Finland</p> <p>&lt; short paper &gt; <b>Visualisation of association rules based on a molecular representation</b> <u>zohra ben said</u>, GUILLET, Fabrice; RICHARD, Paul; PICAROUGNE, Fabien; BLANCHARD, Julien LIUM, France</p>
<p>11:15</p>	<p style="text-align: center;">&lt; SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre Foyer &gt;</p> <p><i>Break</i></p>	

11:45 - 13:00	<p style="text-align: center;">&lt; SOAS - The Brunei Gallery • <b>Brunei Gallery Lecture Theatre</b> &gt;</p> <p><b>Session iV2013_2.5: Visual Information &amp; Knowledge Analytics</b> Chair: Prof. Chris Culy, University of Tuebingen, Germany</p> <p>&lt; keynote lecture &gt;  <b>Visual Analysis of Financial Data</b>  <b>Eugene Sorenson</b>  Visual Applications &amp; Bloomberg Launchpad, Bloomberg LP, New York, USA</p> <p>&lt; panel papers &gt;  <b>Knowledge Visualization for Social Entrepreneurs</b>  <b>Sabrina Bresciani, <u>Martin J. Eppler</u></b>  University of St. Gallen, Switzerland</p> <p><b>The role of direct manipulation of visualizations in the development and use of multi-level knowledge models</b>  <u><b>Randolph George Goebel</b></u>  University of Alberta, Canada</p>
13:00	<p style="text-align: center;">&lt; SOAS - The Brunei Gallery • <b>SOAS Main Building Dinner</b> &gt;</p> <p><i>Lunch Break</i></p>



13:15 - 14:15 	<p>&lt; <b>LONDON</b> - SOAS - The Brunei Gallery • <b>Brunei Gallery Lecture Theatre Foyer</b> &gt;</p> <p><b>Session iV2011_2.6:</b> POSTER – SHOW CASE Chair: John Counsell, Cardiff Metropolitan University, UWIC, UK</p> <p><b>Applying 3D Dynamic Visualisation to (Palaeo) Geomorphic Reconstruction: Modelling a Tenth Century Jökulhlaup at Sólheimajökull Glacier, South Iceland</b> <b>Booth, Laura M: Isaacs, John P</b> University of Dundee, UK</p> <p><b>Visual Search And Processing for Lexeme and Morpheme Constructs</b> <b>Lin, Hsin Hsin</b> NFOTECH Research &amp; Consultancy, Singapore</p> <p><b>Visual Clustering for Large Scale Commercial Enterprises</b> <b>Dhot, Tarundeep; Charkhabi, Masoud</b> Canadian Imperial Bank of Commerce, Canada</p> <p><b>Trans medium methodology ,Interdependency of medium and meaning production</b> <b>Fazel, Maryam</b> Sheffield university</p>	<p>&lt; SOAS - The Brunei Gallery • <b>B202</b> &gt;</p> <p>iV2013_ Special Interest Group meetings – Post conference publication</p>
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14:15 - 15:30	<p style="text-align: center;">&lt; SOAS - The Brunei Gallery • B202 &gt;</p> <p><b>Session iV2013_2.7:</b> Information Visualisation - Application Chair: Prof. Gilles Venturini, University Francois Rabelais of Tours, France</p> <p><b>A Typology for Data Visualization on the Web</b> <u>Ana Raquel Figueiras</u> FCSH - Universidade Nova de Lisboa, Portugal</p> <p><b>How to model a customized visualization</b> <u>Mohamed Mouine</u>, Guy Lapalme Université de Montreal, Canada</p> <p><b>Pianola - Visualization of Multivariate Time-Series Security Event Data</b> Alistair Thomson<sup>2</sup>, <u>Martin Graham</u><sup>1</sup>, Jessie Kennedy<sup>1</sup> <sup>1</sup>Edinburgh Napier University; <sup>2</sup>ECS Security Ltd</p> <p><b>Finding Research Communities and their Relationships by Analyzing the Co-authorship Network</b> <u>Carolina de Figueiredo Bento</u><sup>1</sup>, Hideaki Takeda<sup>2</sup> <sup>1</sup>Instituto Superior Técnico - TagusPark, Portugal; <sup>2</sup>National Institute of Informatics - Tokyo, Japan</p>	<p style="text-align: center;">&lt; SOAS - The Brunei Gallery • B204 &gt;</p> <p><b>Session iV2013_2.8:</b> Application of Graph Theory Chair: Dr. Adrian Rusu, Rowan University, USA</p> <p><b>One Graph, Multiple Drawings</b> <u>Maurin NADAL</u>, Guy MELANCON CNRS UMR 5800 LaBRI, France</p> <p><b>Extending the H-Tree Layout Pedigree: An Evaluation</b> <u>João Miguel Santos</u><sup>1</sup>, Beatriz Sousa Santos<sup>1,2</sup>, Paulo Dias<sup>1,2</sup>, Samuel Silva<sup>1,2</sup>, Carlos Ferreira<sup>3,4</sup> <sup>1</sup>Department of Electronics Telecommunications and Informatics, Aveiro University, Portugal; <sup>2</sup>IEETA / Institute of Electronics Engineering and Telematics of Aveiro, Portugal; <sup>3</sup>Department of Economics, Management and Industrial Engineering, Aveiro University, Portugal; <sup>4</sup>Operational Research Centre (CIO), Lisbon University, Portugal</p> <p><b>Shortest Path Approach to Edge Routing</b> <u>Jiri Dokulil</u><sup>1</sup>, Jana Katreniakova<sup>2</sup>, <u>David Bednarek</u><sup>3</sup> <sup>1</sup>University of Vienna, Vienna, Austria; <sup>2</sup>Comenius University, Bratislava, Slovakia; <sup>3</sup>Charles University, Prague, Czech Republic</p> <p><b>Initial Positioning Method for Online and Real-time Dynamic Graph Drawing of time varying data</b> <u>Aki Hayashi</u>, Tatsushi Matsubayashi, Takahide Hoshide, Tadasu Uchiyama NTT Service Evolution Laboratories, NTT Corporation, Japan</p>
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14:15	< SOAS - The Brunei Gallery • B211 >	
-	<b>Session iV2013_2.9:</b>	
15:30	Chair: Dr. Amalia Rusu, Fairfield University, USA	
	< short paper > <b>Emotions, worlds and colors: a strategies to visualize and analyze patterns from visitors narratives in museums</b>	
	<b><u>Patrizia Schettino</u></b>	
	< poster > <b>Trans medium methodology ,Interdependency of medium and meaning production</b>	
	<b><u>Maryam Fazel</u></b>	
	Sheffield university, United Kingdom	
	< poster > <b>Visual Search And Processing for Lexeme and Morpheme Constructs</b>	
	<b><u>Hsin Hsin Lin</u></b>	
	INFOTECH Research & Consultancy, Singapore	
	< short paper > <b>Categorisation of Audience Relationship between Action and Visualisation in Interactive Art Installations</b>	
	<b><u>Je-ho Oh, Chung-kon Shi</u></b>	
	KAIST, Korea, Republic of (South Korea)	
15:15	< SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre Foyer >	
	<i>Break</i>	

15:45 - 17:00	<p align="center">&lt; SOAS - The Brunei Gallery • B202 &gt;</p> <p><b>Session iV2013_2.10: Business Intelligence</b> Chair: Fatma Bouali, University of Lille 2, France</p> <p><b>3D and immersive interfaces for Business Intelligence: the case of OLAP</b> <b>Sébastien Lafon<sup>1</sup>, Fatma Bouali<sup>1,2</sup>, Christiane Guinot<sup>1</sup>, Gilles Venturini<sup>1</sup></b> <sup>1</sup>University Francois Rabelais of Tours, France; <sup>2</sup>University of Lille 2, France</p> <p><b>Parallel Coordinates Technique in Visual Data Mining: Advantages, Disadvantages, and Combinations</b> <b>Alfredo Cuzzocrea<sup>1</sup>, Davood Zali<sup>2</sup></b> <sup>1</sup>ICAR-CNR and University of Calabria, Italy; <sup>2</sup>Polytechnique Montréal, Canada</p> <p><b>Visual and interactive exploration of a large collection of Open Datasets</b> <b>Tianyang Liu<sup>1</sup>, Durdana Bangash Ahmed<sup>1</sup>, Fatma Bouali<sup>1,2</sup>, Gilles Venturini<sup>1</sup></b> <sup>1</sup>University Francois Rabelais of Tours, France; <sup>2</sup>University of Lille 2, France</p> <p>&lt; poster &gt; <b>Visual Clustering for Large Scale Commercial Enterprises</b> <b>Tarundeep Dhot, Masoud Charkhabi</b> Canadian Imperial Bank of Commerce, Canada, Canada</p>	<p align="center">&lt; SOAS - The Brunei Gallery • B204 &gt;</p> <p><b>Session iV2013_2.11: Visualisation</b> Chair: Dr. Mustapha Lebbah, Université Paris 13, France</p> <p><b>Augmented Reality on Construction Sites using a Smartphone-Application</b> <b>Kim Kirchbach</b> Karlsruhe Institute of Technology (KIT), Germany</p> <p><b>Artistic Visualisation of Practical Information Using Augmented Reality</b> <b>Vladimir Geroimenko</b> Plymouth University, United Kingdom</p> <p><b>A reference image generation method for marker-less AR</b> <b>Satoshi Yonemoto</b> Kyushu Sangyo University, Japan</p> <p><b>Laplacian Musculoskeletal Deformation for Patient-Specific Simulation and Visualisation</b> <b>Youbing Zhao<sup>1</sup>, Gordon J. Clapworthy<sup>1</sup>, Josef Kohout<sup>2</sup>, Feng Dong<sup>1</sup>, Yubo Tao<sup>1,3</sup>, Hui Wei<sup>1</sup>, Nigel McFarlane<sup>1</sup></b> <sup>1</sup>University of Bedfordshire, United Kingdom; <sup>2</sup>Department of Computer Science &amp; Engineering, University of West Bohemia, Plzeň, Czech Rep.; <sup>3</sup>State Key Lab. of CAD&amp;CG, Zhejiang University, Hangzhou, China</p> <p><b>Visualization of Individuals Characterized by a Set of Synchronized Signals</b> <b>Jiri Anyz, Olga Stepankova</b> Department of Cybernetics, Czech technical University, Czech Republic</p>
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15:45 - 17:00	<div data-bbox="949 240 1451 272">&lt; SOAS - The Brunei Gallery • B211 &gt;</div> <div data-bbox="286 272 860 304"><b>Session iV2013_2.12:</b> Information Visualization</div> <div data-bbox="286 304 873 336">Chair: Dr. Harri Siirtola, University of Tampere, FI</div> <div data-bbox="286 344 1144 376"><b>PRISMA-MDE – Information visualization Environment for Multiple Display.</b></div> <div data-bbox="286 376 1211 408"><b><u>Roberto Yuri da Silva Franco</u><sup>1</sup>, Bianchi Serique Meiguins<sup>1</sup>, Aruanda Simões Meiguins<sup>2</sup></b></div> <div data-bbox="286 408 860 440"><sup>1</sup>Federal University of Para, Brazil; <sup>2</sup>Rede de Informática</div> <div data-bbox="286 448 1106 480"><b>Visualization of Multidimensional Sensor Data in Industrial Engineering</b></div> <div data-bbox="286 480 1025 512"><b><u>Stephen Kimani</u><sup>1</sup>, Mariano Leva<sup>2</sup>, Massimo Mecella<sup>2</sup>, Tiziana Catarci<sup>2</sup></b></div> <div data-bbox="286 512 1113 544"><sup>1</sup>Jomo Kenyatta University (JKUAT), Kenya; <sup>2</sup>SAPIENZA University of Rome, Italy</div> <div data-bbox="286 552 931 584"><b>Using clustering to improve decision trees visualization</b></div> <div data-bbox="286 584 992 616"><b><u>Olivier Parisot</u>, Yoann Didry, Thomas Tamisier, Benoît Otjacques</b></div> <div data-bbox="286 616 902 647">Centre de Recherche Public Gabriel Lippmann, Luxembourg</div> <div data-bbox="286 655 1128 687"><b>Coordinating Multiple Views using an Ontology-based Semantic Mapping</b></div> <div data-bbox="286 687 1299 719"><b>Jorge Marques Prates, Lilian Passos Scatalon, Rogério Eduardo Garcia, <u>Danilo Medeiros Eler</u></b></div> <div data-bbox="286 719 1032 751">UNESP – Universidade Estadual Paulista “Júlio de Mesquita Filho”, Brazil</div>
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18:30  
–  
21:30



# Visualisation Social Networking Event

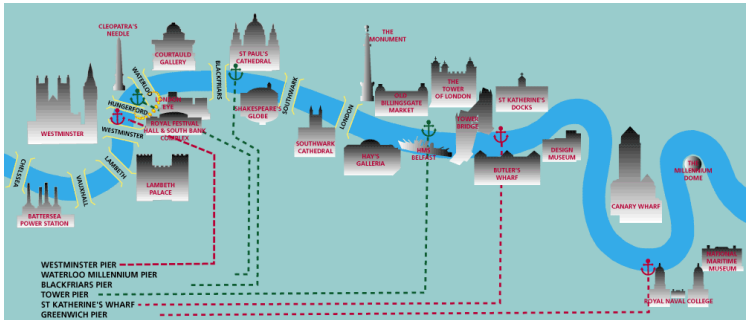
## Evening Cruise on The River Thames

A view from The River Thames, a leisurely cruise capturing a panoramic view of the London skyline, a unique blend of modernity interwoven seamlessly into forms and shades of history and culture of one of the world grand capital cities, which cannot be missed. An evening cruise on the river Thames has been organised for the conference delegates. Detail of this cruise is as follows:

Scheduled: Wenesday 17<sup>th</sup> July 2013  
Time: 18:30 (sharp)  
Embarking Pier: Westminster Pier  
Underground Stations: : Westminster  
  
Boat: Salient  
Type of Function: Thames River Cruise with buffet  
Duration: 18:30 - 22:00

COST: Registered Delegates at subsidised rate of: £35 GBP per person  
Guest of delegates at subsidised rate of: £40 GBP per person

Please confirm your attendance for this social event at the conference desk. Payment for this if possible should be settled with registration fee, otherwise tickets and payment can be finalised at the conference registration desk




## Thursday 18 July 2013

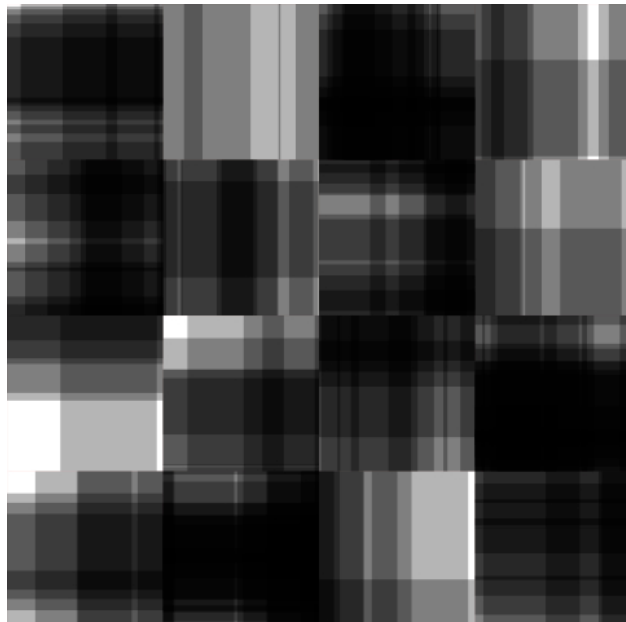
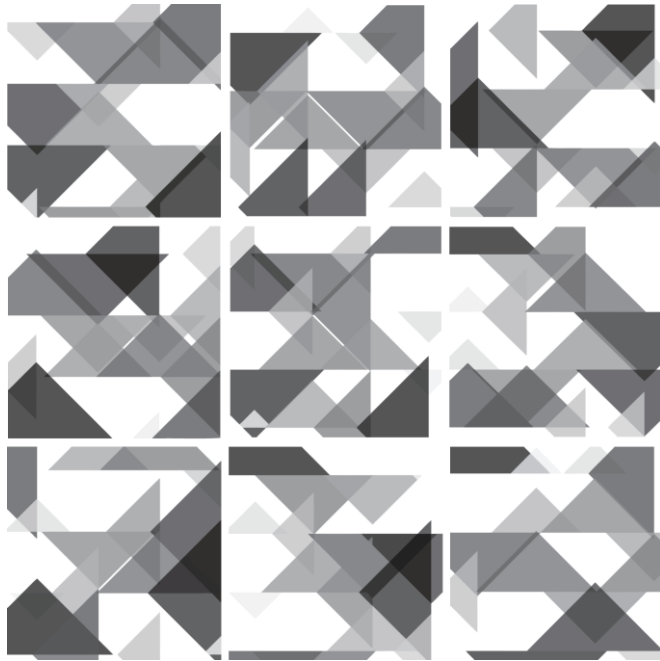
09:00	< SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre Foyer >	
	<i>Registration</i>	
09:30 - 11:15	<p>&lt; SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre &gt;</p> <p><b>Session iV2013_3.1: Business Intelligence</b> Chair: Alfredo Cuzzocrea, ICAR-CNR &amp; University of Calabria, Italy</p> <p><b>Analysis and Visualization of Research Collaboration Pattern of an Institute through Social Network Analysis Perspective</b> <b>Alok Pokharel<sup>1</sup>, Hideaki Takeda<sup>2</sup></b> <sup>1</sup>Asian Institute of Technology, Thailand; <sup>2</sup>National Institute of Informatics, Japan</p> <p><b>A Visualization Architecture for Collaborative Analytical and Data Provenance Activities</b> <b>Aqeel Al-Naser<sup>1</sup>, Masroor Rasheed<sup>1</sup>, Duncan Irving<sup>2</sup>, John Brooke<sup>1</sup></b> <sup>1</sup>The University of Manchester, United Kingdom; <sup>2</sup>Teradata Corp.</p> <p><b>Geovisual Analytics and Storytelling Using HTML5</b> <b>Patrik Lundblad, Mikael Jern</b> Linköping University, Sweden</p> <p><b>Current Work Practice and Users' Perspectives on Visualization and Interactivity in Business Intelligence</b> <b>Wolfgang Aigner</b> Vienna University of Technology, Austria</p> <p><b>Visual Analysis of Complex Networks for Business Intelligence with Gephi</b> <b>Sébastien Heymann<sup>1</sup>, Bénédicte Le Grand<sup>2</sup></b> <sup>1</sup>LIP6 - CNRS - Université Pierre et Marie Curie, France; <sup>2</sup>CRI - Université Paris 1 Panthéon – Sorbonne</p> <p><b>Visual Data-Driven Profiling of Green Consumers</b> <b>Annika H. Holmbom, Peter Sarlin, Zhiyuan Yao, Tomas Eklund, Barbro Back</b> TUCS-Turku Centre for Computer Science, Department of Information Technologies, Åbo Akademi University, Finland</p>	<p>&lt; SOAS - The Brunei Gallery • B204 &gt;</p> <p><b>Session iV2012_3.2: Information Visualisation – Application - II</b> Chair: Dr. Adrian Rusu, Rowan University, USA</p> <p><b>A Multilingual Handwriting Approach to CAPTCHA</b> <b>Amalia Rusu<sup>1</sup>, Steve Mislich<sup>2</sup>, Lukas Missik<sup>3</sup>, Benjamin Schenker<sup>4</sup></b> <sup>1</sup>Fairfield University, United States of America; <sup>2</sup>Greenville College, United States of America; <sup>3</sup>Harvard University, United States of America; <sup>4</sup>Cooper Union, United States of America</p> <p><b>Defining Visual User Interface Design Recommendations for Highway Traffic Management Centres</b> <b>Margit Pohl<sup>1</sup>, Johanna Haider<sup>1</sup>, Peter Fröhlich<sup>2</sup></b> <sup>1</sup>Vienna University of Technology, Austria; <sup>2</sup>FTW-Forschungszentrum Telekommunikation Wien</p> <p><b>Financial Visualization Case Study: Correlating Financial Timeseries and Discrete Events to Support Investment Decisions</b> <b>Richard Brath, Eugene Sorenson</b> Bloomberg LP, United States of America</p> <p><b>EyeC: Coordinated Views for Interactive Visual Exploration of Eye-tracking Data</b> <b>Gordan Ristovski<sup>1</sup>, Mathew Hunter<sup>2</sup>, Bettina Olk<sup>2</sup>, Lars Linsen<sup>1</sup></b> <sup>1</sup>School of Engineering and Science, Jacobs University, Bremen, Germany; <sup>2</sup>School of Humanities and Social Science, Jacobs University, Bremen, Germany</p> <p>&lt; short paper &gt; <b>Visualizing Time-Varying Topics via Images and Texts for Inter-Media Analysis</b> <b>Masahiko Itoh, Masashi Toyoda, Masaru Kitsuregawa</b> The University of Tokyo, Japan</p>



09:30	< SOAS - The Brunei Gallery • B211 >
-	<b>Session iV2012_3.3: Visual Analytics</b>
11:15	Chair: Prof. Randolph George Goebel, University of Alberta, Canada
	<b>Graph-based Relational Data Visualization</b>
	<u>Daniel Mario Lima</u> , Jose Fernando Rodrigues Jr, Agma Juci Machado Traina ICMC, Brazil
	<b>Using Otsu's Threshold Selection Method for Eliminating Terms in Vector Space Model Computation</b>
	<u>Danilo Medeiros Eler</u> , Rogério Eduardo Garcia UNESP, Univ Estadual Paulista, Brazil
	<b>Toward Visual Analytics of Unlinked Documents by Textual Analysis and Network Visualization</b>
	<u>Buntarou Shizuki</u> <sup>1</sup> , Hiroshi Hosobe <sup>2</sup> <sup>1</sup> University of Tsukuba, Japan; <sup>2</sup> Hosei University, Japan
	< short paper > <b>Extracting Hidden Information and Conclusions in Software Testing via Distributed Relational Visual Mining</b>
	<u>Walaa Akram Al Mashad</u> , <u>Ahmed Shawky moussa</u> , Akram salah faculty of computers and information, Cairo University, Egypt
	< short paper > <b>Trend Analysis Tool with Simultaneous Visualization of Rank and Value</b>
	<u>Saori Okubo</u> <sup>1</sup> , Tomoya Iwakura <sup>2</sup> , Kazuo Misue <sup>3</sup> <sup>1</sup> Graduate School of Systems and Information Engineering, University of Tsukuba, Japan; <sup>2</sup> Fujitsu Laboratories Ltd., Japan; <sup>3</sup> Faculty of Engineering, Information and Systems, University of Tsukuba, Japan
11:15	< SOAS - The Brunei Gallery • Brunei Gallery Lecture Theatre Foyer >
	<i>Break</i>

11:45 -	< SOAS - The Brunei Gallery • <b>Brunei Gallery Lecture Theatre</b> >
13:00	<b>Session iV2013_3.4: Information &amp; Knowledge Visual Analytics</b> Chair: Prof. Francis T. Marchese, Pace University, USA  < keynote Lecture > <b>Automatic generation of visualization like human's ones</b> <b><u>Dr David Auber</u></b> University of Bordeaux I, France  < keynote Lecture > <b>Smart Cities, Realtime Data, Augmented Reality and The Internet of Things: Towards the Geography of Everything</b> <b><u>Dr Andrew Hudson-Smith</u></b> Director and Reader in Digital Urban Systems, Centre for Advanced Spatial Analysis, University College London, UK  <b>Closing Presentation Session &amp; Best Paper Awards</b>
13:00	< SOAS - The Brunei Gallery • <b>SOAS Main Building Dinner</b> >  Lunch Break
14:00	< SOAS - The Brunei Gallery • meeting room >   <b>Society of Information Visualisation Committee &amp; iV2014 - Committee Members Meeting</b>
14:30	Close





# DIGITAL ART GALLERY

online exhibition

July 2013 ~ June 2014

VIRTUAL GALLERY VENUE

[www.graphicslink.co.uk/DART.htm](http://www.graphicslink.co.uk/DART.htm)



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© You Fang<sup>a</sup>, Hans Dehlinger<sup>b</sup>, Wang Jian Min<sup>a</sup>, Jao Ming<sup>c</sup>

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