

# SuperMin: Min Memories

**By Robert S. Laramée**

The Visual and Interactive  
Computing Group  
Computer Science Dept.  
Swansea University  
Swansea, Wales, UK  
r.s.laramée “at” swansea.ac.uk



Swansea University  
Prifysgol Abertawe



# SuperMin: Min Memories

**By Robert S. Laramée**

The Visual and Interactive  
Computing Group  
Computer Science Dept.  
Swansea University  
Swansea, Wales, UK  
r.s.laramée “at” swansea.ac.uk



Swansea University  
Prifysgol Abertawe



# SuperMin: Min Memories

**By Robert S. Laramée**

The Visual and Interactive  
Computing Group  
Computer Science Dept.  
Swansea University  
Swansea, Wales, UK  
r.s.laramée “at” swansea.ac.uk



Swansea University  
Prifysgol Abertawe



# Overview

- First Encounters
- Collaborative Activities and Fond Memories
- Conclusions and Future Work



# First Encounters

- November 2005: Job Advertisement
- January 2006: 1<sup>st</sup> Telephone Call
- February 2006: Job Interview



# 1st Conference: VisSym 2006, 8-10 May 2006



# 2nd Conference: IEEE Visualization Oct 2006

The screenshot shows a web browser window displaying the IEEE Visualization 2006 website. The browser's address bar shows the URL <http://vis.computer.org/Vis2006/>. The website features a navigation menu with links for Home, Index, Contents, Search, Glossary, Help, First, Previous, Next, Last, Up, Copyright, and Author. The main content area is divided into several sections:

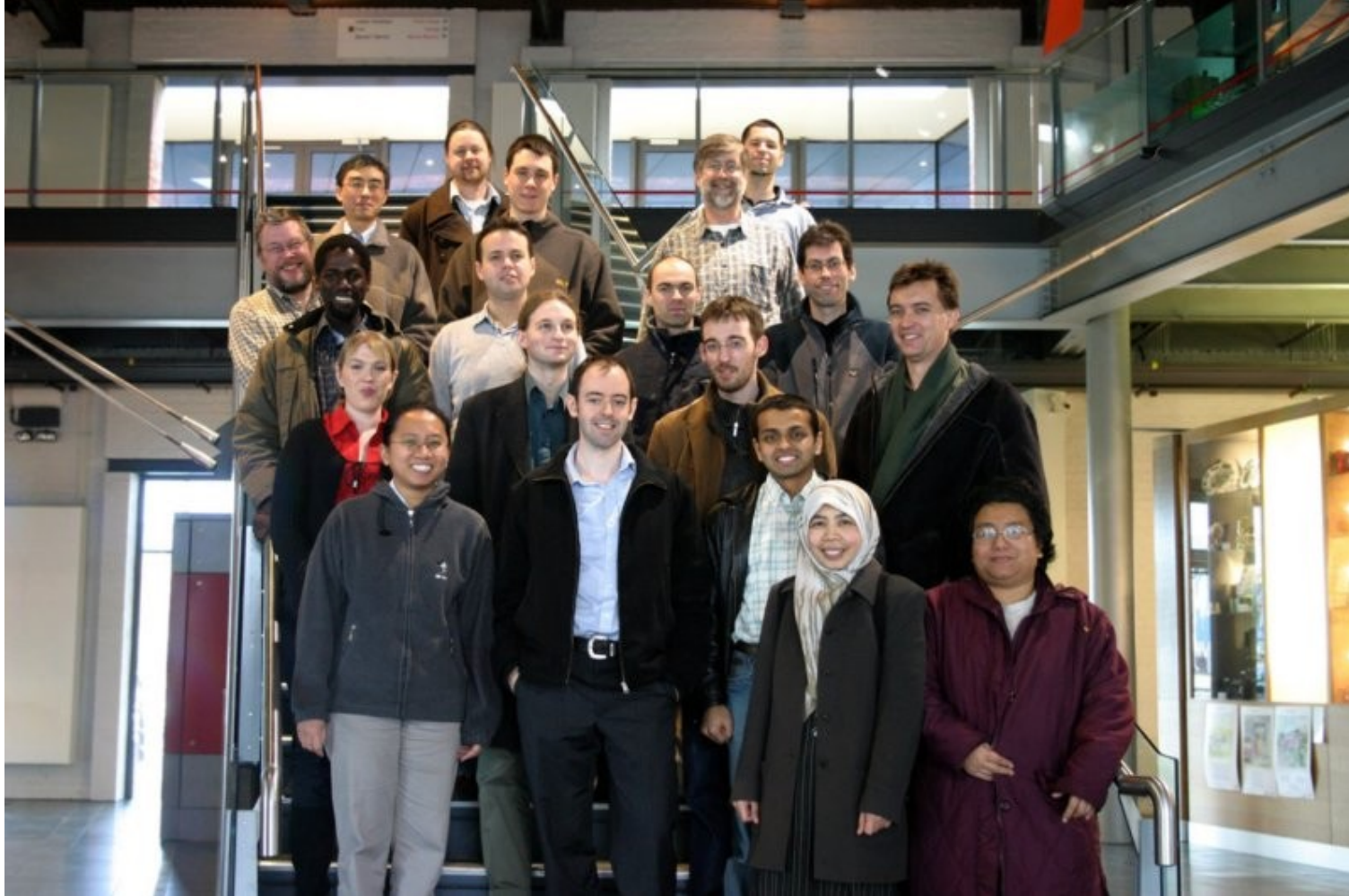
- Header:** A banner with the text "VIS 2006 IEEE VISUALIZATION" and the dates "OCTOBER 29 - NOVEMBER 3, 2006 • BALTIMORE • MARYLAND • USA".
- Welcome!** A section with a paragraph of text: "Vis 2006 is the premier forum for visualization advances in science and engineering for academia, government, and industry. This event brings together researchers and practitioners with a shared interest in techniques, tools, and technology. The conference will include workshops, tutorials, papers, panels, demonstrations, posters, and exhibitions. Vis 2006 was held at the Hyatt Regency in Baltimore, Maryland, October 29 - November 3, 2006. Co-located with Vis 2006 was the highly successful InfoVis Symposium: IEEE Symposium on Information Visualization. Also co-located was the newly established IEEE VAST Symposium: IEEE Symposium on Visual Analytics Science and Technology." Below this is a note: "See you in Sacramento, California, Saturday, October 27, through Thursday, November 1, 2007 for IEEE Visualization 2007!"
- Powerpoint presentations and other supplementary material from IEEE Visualization 2006 presentations may now be found and downloaded here.**
- Congratulations to the following award winners at Vis 2006:**
  - Best Research Paper:**  
*On Histograms and Isosurface Statistics*  
Hamish Carr, Brian Duffy, Barry Denby (University College Dublin)
  - Best Application Paper:**  
*Understanding the Structure of the Turbulent Mixing Layer in Hydrodynamic Instabilities*  
Daniel Laney, Peer-Timo Bremer, Ajith Mascarenhas, Paul Miller, Valerio Pascucci (Lawrence Livermore National Laboratory)
- The conference program is now available.** Click here to download a PDF copy of the program.
- Slide templates are now available.** Please click here for more information.
- New in 2006:** The 2006 IEEE Visualization Conference and co-located IEEE VAST

The left sidebar contains a navigation menu with the following items:

- + Week-at-a-Glance
  - o IEEE InfoVis Website
  - o IEEE VAST Website
- + VIS Sessions
- + Exhibition
- + Registration
- + Student Volunteers
- + Call for Participation
- + Committees
- + Speaker Information
  - o Site Map
  - o Email Us

Below the menu is a search box with the label "SEARCH".

# 1st Away Day: 2 Mar 2007





# 1st EPSRC Grant: June 2007

Interactive, High-Dimensional Flow Visualization Using Image Space-Based Approaches by Robert S. Laramée (Principal Investigator) (and **Min Chen**), Research Grant funded by the Engineering and Physical Sciences Resource Council (EPSRC EP/F002335/1), UK, June 2007, £232,272.00



# 1st KAV Workshop/3<sup>rd</sup> Conference: Oct 2007

File Edit View Bookmarks Widgets Feeds Mail Tools Help

Open Save Print Find Home

Knowledge-assiste... x

http://www.cs.swan.ac.uk/KAV2007/

Home Index Contents Search Glossary Help First Previous Next Last Up Copyright Author

## KAV Knowledge-assisted Visualization

OCTOBER 29-2007 SACRAMENTO, CA USA in affiliation with IEEE Visualization 2007

- [Call for participation](#)
- [Workshop Organization](#)
- [Important Dates](#)
- [Paper guidelines](#)
- [Submission](#)
- [Program - NEW](#)
- [IEEE Visualization 2007](#)
- [IEEE Info Vis 2007](#)
- [KAV 2008](#)

### CALL FOR PARTICIPATION



Most of the existing visualization techniques and systems were not designed to utilize the knowledge and information derived from the process of scientific visualization or from abstract data analysis. As visual exploration is an inherently iterative process, it is highly desirable to enable more effective visualization by utilizing information about the visualization process itself (e.g., users' chosen visualization parameters and abstractions), and information about the scientific data to be visualized (e.g., high level abstract characterization, and findings). The combination of such information from different visualization processes can also infer new knowledge that can aid data visualization in an intelligent manner if it is stored and organized in a structured fashion.

We begin to see growing efforts to collect and use such information and knowledge, especially when the cost of visualization is high or when the visualization work is collaborative in nature. In addition, information visualization techniques are increasingly used in the context of scientific visualization due to the diverse types of information that need to be looked at for more comprehensive data analysis.

This workshop aims at stimulating the research efforts for knowledge- and information - enabled data visualization by providing a forum for shaping this important and exciting research area. We solicit submissions on work in progress as well as mature results. In particular, the utilization of information and knowledge in producing visually effective data visualization and facilitating efficient visualization processes is the main focus of this workshop.

Topics include but are not limited to:

- [Metadata visualization](#)
- [Visualization enabled by topological information of the data](#)
- [Visualization enabled by statistical information of the data](#)

View (100%)

# 1<sup>st</sup> Internal Examination: Dec 2007

Internal Examiner for  
the PhD thesis,  
**Autonomic  
Visualization** by  
David Chisnall,  
Department of  
Computer Science,  
Swansea University,  
December 2007  
(punishment)

File Edit View Bookmarks Widgets Feeds Mail Tools Help

Open Save Print Find Home

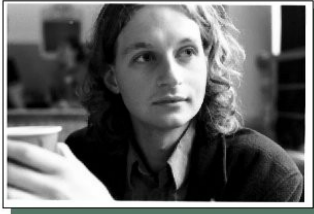
David Chisnall x +


http://www.cs.swan.ac.uk/~csdavec/

Home Index Contents Search Glossary Help First Previous Next Last Up Copyright Author

**Computer Science**  
Gwyddor Cyfrifiadur

**David Chisnall**





**RESEARCH INTERESTS**

- Dynamic Object Oriented Programming Languages
- Computer Memory Models
- Out of Core Algorithms
- Autonomic Computing
- Organising the 'No Growthup' student seminar series.

**TEACHING DUTIES**

- [CS-35S / CS-M78: High Performance Computing in C/C++](#)

**OPEN SOURCE WORK**

- [Etools](#) (Core Team member)
- [GNUstep](#) (Contributor)
- [LIVM](#) (Working on Objective-C code generation)

**OTHER INTERESTS**

- UWS Choir (slightly lapsed)
- Salsa and Tango Dancing
- Ultimate Frisbee

**CONTACT INFORMATION**

**TELEPHONE:** (+44) (0)1792 205678 ext. 4566


**EMAIL:** [csdavec@swansea.ac.uk](mailto:csdavec@swansea.ac.uk)


**ADDRESS:** David Chisnall, Department of Computer Science, University of Wales Swansea, Singleton Park, Swansea, SA2 8PP, UK.


**Publications**

**Academic**

- Ken Brodie, John Brooke, Min Chen, David Chisnall, Ade Fewings, Chris Hughes, Nigel W. John, Mark W. Jones, Mark Riding, and Nicolas Roard, [Visual Supercomputing - Technologies, Applications and Challenges](#). *Computer Graphics Forum*, Number 24, Issue 2, 2005, pp217-245. It was initially presented in *Eurographics 2004*, Grenoble, 2004 [BibTeX](#)
- Mark Riding, Jason Wood, Ken Brodie, John Brooke, Min Chen, David Chisnall, Chris Hughes, Nigel W. John, Mark W. Jones, Nicolas Roard, [e-Viz: Towards an Integrated Framework for High Performance Visualization](#). *UK e-Science Programme 2005*, Nottingham [BibTeX](#)

  
Buy from [amazon.co.uk](#)

  
Buy from [amazon.co.uk](#)

  
Buy from [amazon.co.uk](#)

View (100%)

# 2<sup>nd</sup> KAV Workshop/4<sup>th</sup> Conference: Oct 2008

File Edit View Bookmarks Widgets Feeds Mail Tools Help

Open Save Print Find Home

Knowledge-assiste... x +

http://kav.cs.wright.edu/2008/

Home Index Contents Search Glossary Help First Previous Next Last Up Copyright Author

## KAV 08

### Knowledge-assisted Visualization

OCTOBER 19, 2008 • COLUMBUS, OHIO, USA

#### Call for Participation

##### Aim and Scope of the Workshop

Most of the existing visualization techniques and systems were not designed to utilize the knowledge and information derived from the process of scientific visualization or from abstract data analysis. As visual exploration is an inherently iterative process, it is highly desirable to enable more effective visualization by utilizing information about the visualization process itself (e.g., users' chosen visualization parameters and abstractions), and information about the scientific data to be visualized (e.g., high level abstract characterization, and findings). The combination of such information from different visualization processes can also infer new knowledge that can aid data visualization in an intelligent manner if it is stored and organized in a structured fashion.

We begin to see growing efforts to collect and use such information and knowledge, especially when the cost of visualization is high or when the visualization work is collaborative in nature. In addition, information visualization techniques are increasingly used in the context of scientific visualization due to the diverse types of information that need to be looked at for more comprehensive data analysis.

This workshop aims at stimulating the research efforts for knowledge- and information-assisted visualization by providing a forum for shaping this important and exciting research area. We solicit submissions on work in progress as well as mature results. In particular, the utilization of information and knowledge in producing visually effective data visualization and facilitating efficient visualization processes is the main focus of this workshop.

Topics include but are not limited to:

- **Metadata visualization**
- **Visualization enabled by topological information of the data**
- **Visualization enabled by statistical information of the data**
- **Visualization enabled by geometric information of the data**
- **Visualization enabled by semantic information of the data**
- **Visualization via learning**
- **Visualization via shared knowledge in a collaborative setting**
- **Knowledge representation for visualization**

You may find this [position paper](#) by the main organizers of *Kav2007* and *Kav2008* helpful in appreciating the research directions which this workshop tries to stimulate.

© 2008 Wright State University

puter Science  
ddor Cyfrifiadur

View (100%)

# Data Visualization: 2008-2009


File Edit View Bookmarks Widgets Feeds Mail Tools Help

Open Save Print Find Home

Data Visualization, ... x

http://cs.swan.ac.uk/~csbob/teaching/csm07-vis/

Home Index Contents Search Glossary Help First Previous Next Last Up Copyright Author



Swansea University  
Prifysgol Abertawe

Computer Science  
Gwyddor Cyfrifiadur

**Modules:**

- CS\_337 Data Visualization
- CS\_M07 Data Visualization

**Announcement:**

Due to the unexpected number of students, the times and locations of CS\_337 & CS\_M07 have changed. As of 6 Oct 2010, CS\_337 & CS\_M07 meets every Tuesday at 2pm and 3pm in Wallace Building 222. Please download the latest version of the departmental timetable from Bob's web page (click on "administration and management").

**Announcement:**

All students taking the Data Visualization module are welcome to come join us every Thursday at [The Visible Lunch](#)

**Recommended Co-Requisites for Third Year Students**

1. (Prerequisite) CS 217 Computer Graphics I: Image Processing and Synthesis
2. Recommended Co-Requisite: CS\_307 Computer Graphics II: Modelling and Rendering
3. Recommended Co-Requisite: CS\_317 Computer Graphics Laboratory

**Recommended Co-Requisites for Masters Students**

1. Recommended Co-Requisite: CS\_M17 Volume Graphics
2. Recommended Co-Requisite: CS\_M37 Graphics Surveys and Research Methodology
3. Recommended Co-Requisite: CS\_M47 Graphics Processor Programming
4. Recommended Co-Requisite: CS\_M57 Computer Graphics Visual Computing Project (MRes only)

All of the lecture material, including the material for the assessed coursework, can be found by logging onto [Blackboard](#). However, we will post some useful links to supplementary material here.

- [The Module Syllabus](#): Some information about the module to start things out.

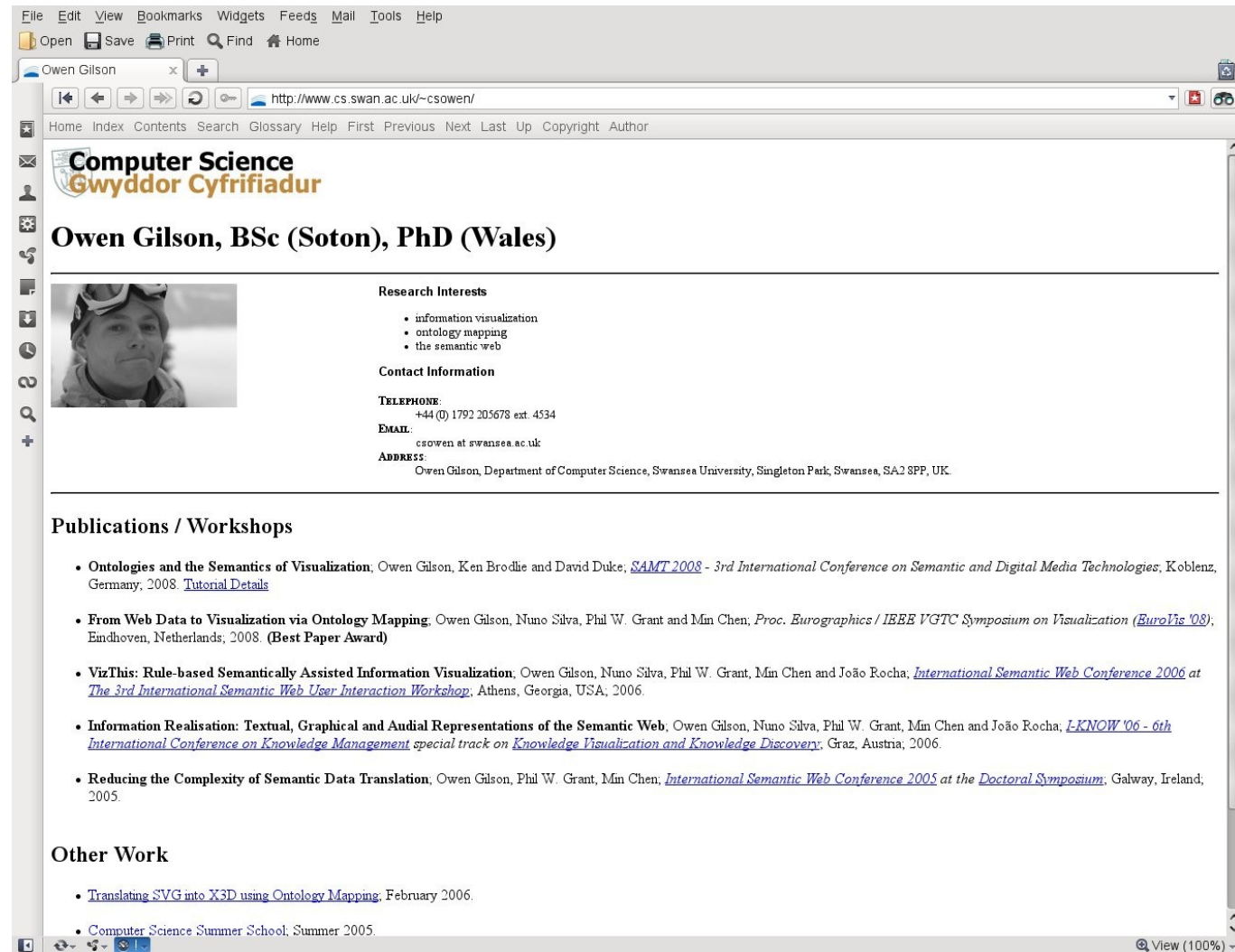
Links to **Visualization Books**:

1. [Interactive Data Visualization](#) by M. Ward, G. Grinstein, and D. Keim

View (100%)

# 2<sup>nd</sup> Internal Examination: Dec 2008


Internal Examiner for  
the PhD thesis, An  
Ontological Approach  
to Information  
Visualization by  
Owen T. Gilson,  
Department of  
Computer Science,  
Swansea University,  
April 2009



File Edit View Bookmarks Widgets Feeds Mail Tools Help  
Open Save Print Find Home  
Owen Gilson x +  
http://www.cs.swan.ac.uk/~cswowen/  
Home Index Contents Search Glossary Help First Previous Next Last Up Copyright Author

**Computer Science**  
Gwyddor Cyfrifiadur

**Owen Gilson, BSc (Soton), PhD (Wales)**



**Research Interests**

- information visualization
- ontology mapping
- the semantic web

**Contact Information**

**TELEPHONE:**  
+44 (0) 1792 205678 ext. 4534

**EMAIL:**  
cswowen at swansea.ac.uk

**ADDRESS:**  
Owen Gilson, Department of Computer Science, Swansea University, Singleton Park, Swansea, SA2 8PP, UK.

**Publications / Workshops**

- **Ontologies and the Semantics of Visualization**, Owen Gilson, Ken Brodie and David Duke; [SAMT 2008 - 3rd International Conference on Semantic and Digital Media Technologies](#), Koblenz, Germany, 2008. [Tutorial Details](#)
- **From Web Data to Visualization via Ontology Mapping**, Owen Gilson, Nuno Silva, Phil W. Grant and Min Chen; *Proc. Eurographics / IEEE VGTC Symposium on Visualization (EuroVis '08)*, Eindhoven, Netherlands, 2008. (**Best Paper Award**)
- **VizThis: Rule-based Semantically Assisted Information Visualization**, Owen Gilson, Nuno Silva, Phil W. Grant, Min Chen and João Rocha; [International Semantic Web Conference 2006 at The 3rd International Semantic Web User Interaction Workshop](#), Athens, Georgia, USA, 2006.
- **Information Realisation: Textual, Graphical and Audial Representations of the Semantic Web**, Owen Gilson, Nuno Silva, Phil W. Grant, Min Chen and João Rocha; [LKNOW'06 - 6th International Conference on Knowledge Management special track on Knowledge Visualization and Knowledge Discovery](#), Graz, Austria, 2006.
- **Reducing the Complexity of Semantic Data Translation**, Owen Gilson, Phil W. Grant, Min Chen; [International Semantic Web Conference 2005 at the Doctoral Symposium](#), Galway, Ireland, 2005.

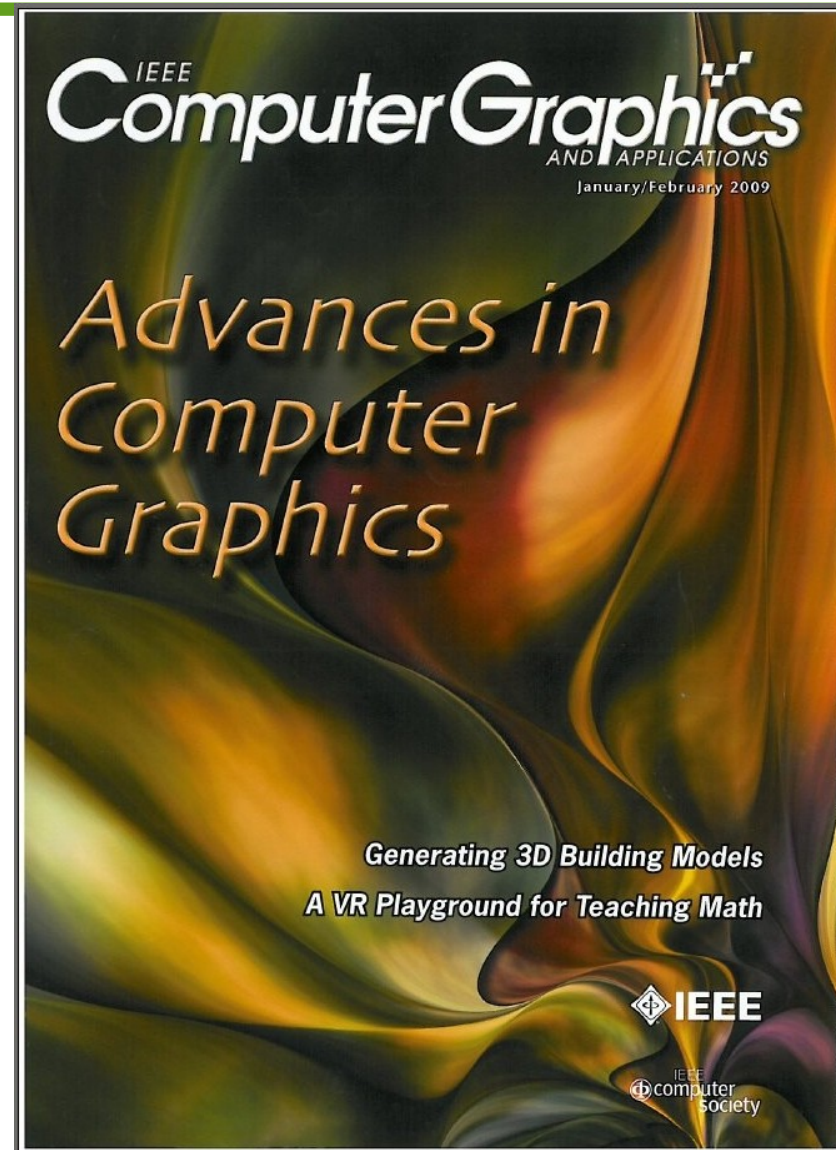
**Other Work**

- [Translating SVG into X3D using Ontology Mapping](#), February 2006.
- [Computer Science Summer School](#), Summer 2005.

View (100%)

# 1<sup>st</sup> Joint Paper: Jan '09

Min Chen, David Ebert, Hans Hagen, Robert S. Laramée, Robert van Liere, Kwan-Liu Ma, William Ribarsky, Gerik Scheuermann, and Deborah Silver, **Data, Information and Knowledge in Visualization** in *IEEE Computer Graphics and Applications* (IEEE CG&A), Vol. 29, No. 1, January/February 2009, pages 12-19



# 1st Edited Journal: Oct 2009

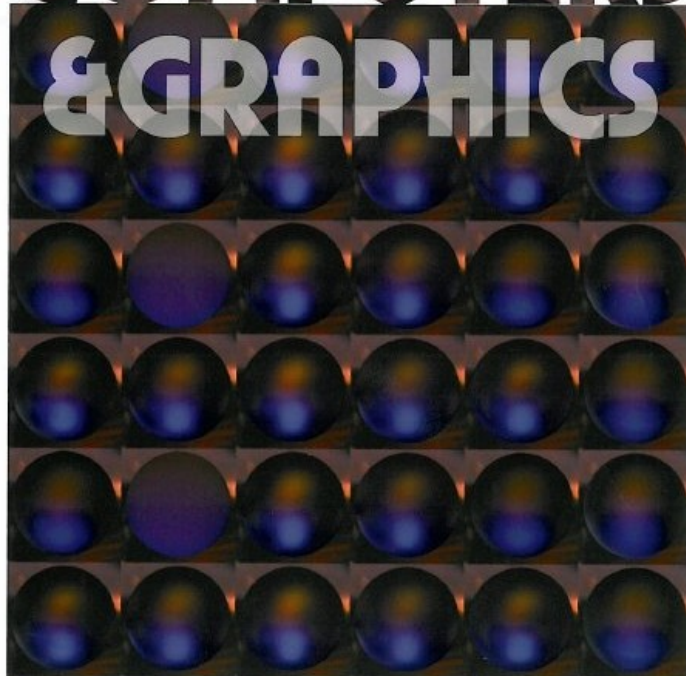


Volume 33, Issue 5, October 2009

ISSN 0097-8493

Editor in Chief: Joaquim Jorge

## COMPUTERS & GRAPHICS



An international journal of systems & applications in computer graphics  
Algorithms and techniques for interaction, multimedia, modeling and visualization

### Special Section in this Issue:

#### Knowledge Assisted Visualization

Guest Editors: Robert van Liere, Robert S. Laramée,  
Gerik Scheuermann, Kwan-Liu Ma

 ScienceDirect  
Available online at  
[www.sciencedirect.com](http://www.sciencedirect.com)

## COMPUTERS & GRAPHICS

An International Journal

Website: <http://www.elsevier.com/locate/cag/>

### Contents

Volume 33, Issue 5, 2009

#### Special Section in this Issue:

#### KNOWLEDGE ASSISTED VISUALIZATION

Guest Editors: Robert van Liere, Robert S. Laramée, Gerik Scheuermann, Kwan-Liu Ma

		SPECIAL SECTION: KNOWLEDGE ASSISTED VISUALIZATION
Robert van Liere, Robert S. Laramée, Gerik Scheuermann and Kwan-Liu Ma	583	Foreword
Daniel Patel, Øyvind Sture, Helwig Hauser, Christopher Giertsen and M. Eduard Gröller	585	Knowledge-assisted visualization of seismic data
H. Jänicke and G. Scheuermann	597	Steady visualization of the dynamics in fluids using $\epsilon$ -machines
Julia EunJu Nam, Mauricio Maurer and Klaus Mueller	607	A high-dimensional feature clustering approach to support knowledge-assisted visualization
Xiaoyu Wang, Dong Hyun Jeong, Wenwen Dou, Seok-Won Lee, William Ribarsky and Remco Chang	616	Defining and applying knowledge conversion processes to a visual analytics system
Samuel Silva, Joaquim Madeira and Beatriz Sousa Santos	624	Erratum to "POLYMECo—An integrated environment for polygonal mesh analysis and comparison" [Comput. Graphics 33 (2009) 181–191]
Kyusik Chung, Chang-Hyo Yu, Donghyun Kim and Lee-Sup Kim	625	Shader-based tessellation to save memory bandwidth in a mobile multimedia processor

(continued)

Indexed in GMT Abstr, Cam Sci Abstr, Comput Cont, Curr Cont, Research Alert®,  
Curr Cont/CompuMath, Curr Cont/Eng Tech & Applied Sci, Curr Cont/SCISEARCH® Data, Eng Ind,  
Ergon Abstr, Info Sci, Abstr, INSPEC Data, PIRA, SSSA/CISA/ECA/ISMEC, SCOPUS®

ISSN 0097-8493

PRINTED BY POLESTAR WHEATONS LTD, EXETER, UK



0097-8493(200910)33:5;1-Q

R  
r.s.laramée@swansea.ac.uk

<http://cs.swan.ac.uk/~csbob/>



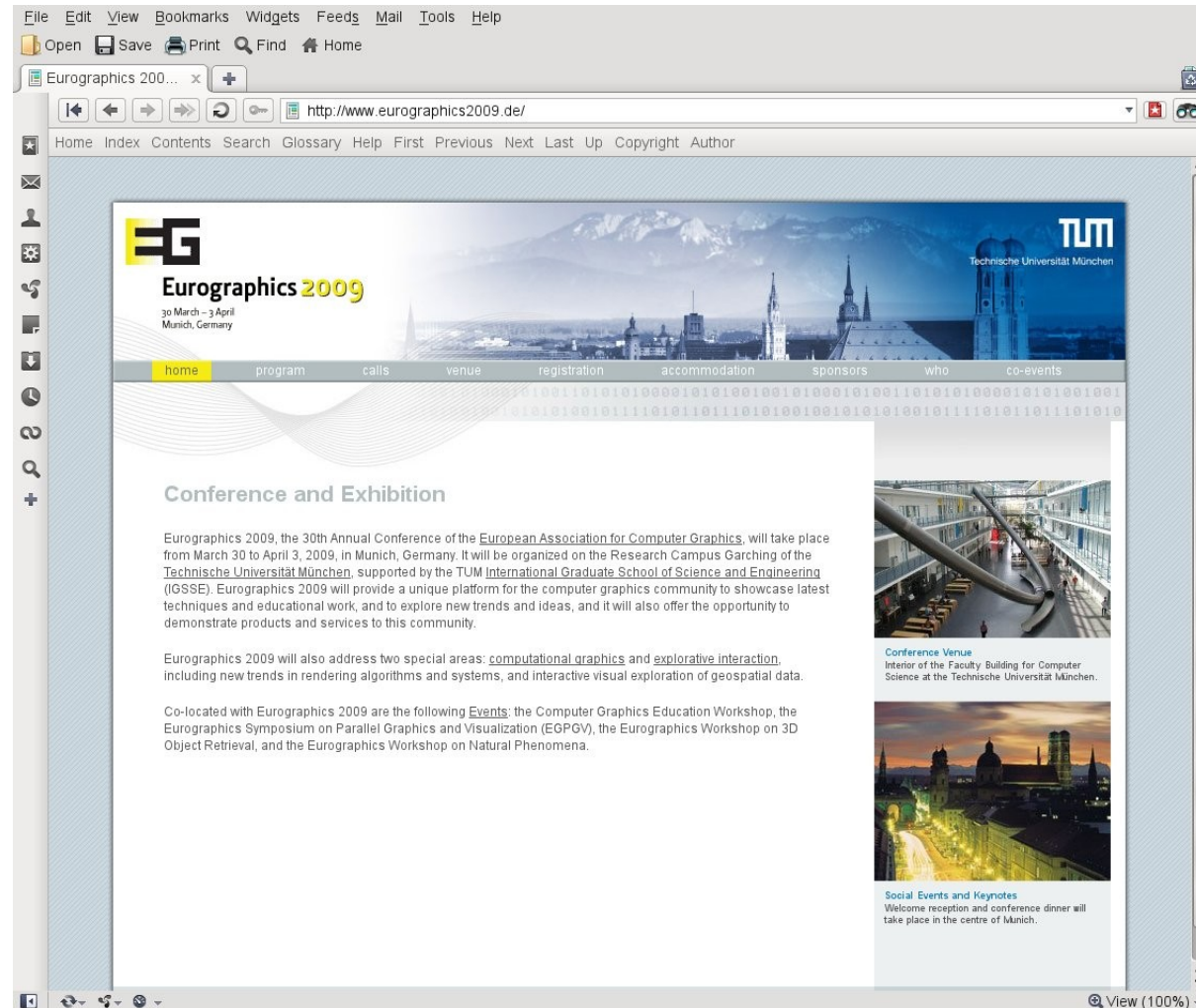
ce  
Gwyddor Cyfrifiadur



# 2nd/3rd Joint Papers: Apr 2009, 2010

Tony McLoughlin, Robert S. Laramée, Ronald Peikert, Frits H. Post, and Min Chen, **Over Two Decades of Integration-Based, Geometric Flow Visualization** in *EUROGRAPHICS 2009, State of the Art Reports*, pages 73-92, 30 March - 3 April 2009, Munich, Germany

Tony McLoughlin, Robert S. Laramée, Ronald Peikert, Frits H. Post, and Min Chen, **Over Two Decades of Integration-Based, Geometric Flow Visualization** in *Computer Graphics Forum (CGF)*, Vol. 29, No. 6, September 2010, pages 1807-1829



# RIVIC: Jan 2009

The screenshot shows a Joomla! website for RIVIC. The main content area is titled "The Research Institute of Visual Computing - About Us".

**MAIN MENU**

- Home
- About Us
- Scientific Programmes
- Institutions
- News
- Publications
- Rivic Member Profiles
- External Associates

**LOGIN HERE**

Username:

Password:

Remember me

[Login](#)

[Forgot login?](#)

**LATEST EVENTS**

**SEARCH SITE CONTENT**

Search...

**EVENTS CALANDER**

<< April 2011 >>

Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

**MOST READ**

- The Research Institute of Visual Computing - About Us
- Contacts
- Swansea Recruitment
- Aberystwyth Scientific programmes



# Software Engineering: 2009-2010



File Edit View Bookmarks Widgets Feeds Mail Tools Help

Open Save Print Find Home

CS\_254, Software ... x

http://cs.swan.ac.uk/~csbob/teaching/cs254-softEng/

Home Index Contents Search Glossary Help First Previous Next Last Up Copyright Author

 Swansea University Prifysgol Abertawe  Computer Science Gwyddor Cyfrifiadur

**Module: CS\_254, Software Engineering**

**Announcement:**

[20 Jan '11] [Grid Tools Ltd](#) agrees to sponsor the 1st, 2nd and, 3rd place group prizes!

[2 Oct '10] Please visit the new [CS\\_254P Software Engineering Tutorial web page](#).

[1 Oct '10] Software Engineering meets (1+2) Mondays at 14:00 and 15:00 in the Taliesin Annexe Arts Hall and (3) Thursdays at 16:00 in Faraday Building room J.

We post some useful links to supplementary material here in order to help second year students with their study of software engineering.

**Helpful Reading and Documentation:**

1. [Free Tech Books](#): No more using the money excuse for not having your textbooks. Here you'll find free online computer science and programming books, textbooks, and lecture notes.
2. [Software Engineering 8](#) by I. Sommerville, the web site to accompany the book
3. [Software Engineering: Principles and Practice](#), by H. van Vliet, accompanying web site
4. [Interaction Design, Beyond Human-Computer Interaction](#) by J. Preece et al., the web site to accompany the book (Recommended by Max Wilson)
5. [Human-Computer Interaction, 3rd Edition](#) by A. Dix et al., the web site to accompany the book
6. [Practical Software Engineering: A Case Study Approach](#) by L.A. Maciaszek and B.L. Liong, the web site to accompany the book
7. [Designing Object-Oriented Software](#) by Wirfs-Brock et al., the web site to accompany the book
8. [Module Evaluation Questionnaire](#): please help improve future editions of the module using this feedback.

**Links Related to Human-Centered Software Development:**

1. [Usability.gov](#): offers guidelines on how to develop usable and useful web sites. The heuristics are also applicable to software applications.
2. [Externalisation – how writing changes thinking](#): by Alan Dix (on the benefits of personas)
3. [Apple's 1987 Knowledge Navigator Video](#)

Documentation and Links directly related to **Assessed Coursework**:

Team A	Team B
swaps with	



# 3<sup>rd</sup> Workshop/5<sup>th</sup> Conference: ReVisE Oct 2009

File Edit View Bookmarks Widgets Feeds Mail Tools Help

Open Save Print Find Home

Refactoring Visual... x

http://revise.cs.wright.edu/program.html

Home Index Contents Search Glossary Help First Previous Next Last Up Copyright Author

## REVISE 09

**Refactoring Visualization from Experience**  
12 OCTOBER, 2009 ATLANTIC CITY, NEW JERSEY, USA

### Workshop Program - Monday, 12 October 2009

---

*Introductions (8:30 - 8:40)*

---

*Keynote (8:40 - 9:30) by Hank Childs, Lawrence Berkeley Labs and UC Davis*  
Title: **How Petascale Visualization Will Change the Rules**

---

**Session 1 (9:30 - 10:30)**  
Chair: Matt Ward

---

1) **Customizing ParaView**  
Utkarsh Ayachit and David DeMarle *Kitware, Inc.*  
Questioner: Hans Hagen

---

2) **Refactoring Data Transforms in MatSE for Flexibility**  
Paul Craig and Jessie Kennedy *Edinburgh Napier University.*  
Questioner: Hans Hagen

---

**Session 2 (10:45 - 12:15)**  
Chair: Min Chen

---

1) **Re-architecting Visualizations to Java Swing**  
Martin Graham and Jessie Kennedy *Edinburgh Napier University*  
Questioner: Thomas Ertl

---

2) **A Lean Process Model using In-House Source Code Libraries for Efficient Development of Visualization Applications**

© 2009 Wright State University  
Questions, comments, or suggestions on the web page can be addressed to: [Thomas Wischgoll](mailto:Thomas.Wischgoll@wright.edu)

View (100%)



# RIVIC Graduate School: April 2010

File Edit View Bookmarks Widgets Feeds Mail Tools Help  
Open Save Print Find Home  
Resume -Robert S... x RIVIC Graduate Sc... x  
http://cs.swan.ac.uk/~csbob/rivic/  
Home Index Contents Search Glossary Help First Previous Next Last Up Copyright Author

**RIVIC**  
Research Institute of Visual Computing

PRIFYSGOL ABERYSTWYTH UNIVERSITY  
PRIFYSGOL BANGOR  
CARDIFF UNIVERSITY  
PRIFYSGOL CAERDYDD  
Swansea University  
Prifysgol Abertawe

## Visual Computing Graduate School 2010

Sponsored by Wales Research Institute of Visual Computing (RIVIC)

**Dates:**  
Tue 6 - Fri 9, April, 2010

**Place:**  
Swansea University, UK

**Official RIVIC Graduate School 2010 Home**

**Call for Participation**

**Program**  
(Printer Friendly Version)

**Registration**

**RIVIC home**

**Getting To Swansea**

**Maps and Location**

**Accommodation**

**Local Tourism**

**Local Weather Forecast**

**Photos**

**Reserve Visitor Parking**

View (100%)

# Visible Lunch, Aug 2010: #100 (7 MC)

File Edit View Bookmarks Widgets Feeds Mail Tools Help

Open Save Print Find Home

The Visible Lunch... x

http://cs.swan.ac.uk/~csbob/visibleLunch/index.php

Home Index Contents Search Glossary Help First Previous Next Last Up Copyright Author

starting at 12:30

**Place:**

4th floor SmallTalk Room or Kitchen  
Faraday Tower  
Computer Science Department  
Swansea University  
SA2 8PP

**Coordinator(s):**

Robert S. Laramee,  
Zhao Geng,  
Zhenmin Peng, and  
Victoria Wang

If you have a talk you'd like to give or an event you would like to take place in conjunction with the Visible Lunch then please contact a coordinator!

**Former Coordinator(s):**

Tony McLoughlin, 2007-2011

**Group Link:**

Join us on [facebook](#) as well.

**Poster:**

Check out the new [Visible Lunch poster](#)! Feel free to hang it up.

**Related Links:**

[Delighted Beauty.org](#) lead by Tom Cheesman


[SQL-the Software Quality Laboratory](#)

**Aims**

the (unusual) opportunity to practice their presentation skills. Another unusual feature of the visible Lunch are the post-talk questions and discussions. The question and discussion period following a presentation is not constrained to the strict five or ten minutes imposed by typical conferences, workshops, or other more formal seminars. The post-presentation discussions at the Visible Lunch often last much longer, e.g., 30 minutes or more, and allow time for a true debate. In fact, this is the only open, uncensored discussion forum offered in the computer science department.

The Visible Lunch is also inter-disciplinary. We have hosted engaging speakers from biology, engineering, industry, psychology, modern languages, earth science, law, as well as other areas of computer science such as human-computer interaction and theory. The Visible Lunch serves as a suitable platform from which to launch inter-disciplinary collaboration.

We also note that the presentation content is of very high quality. **Six** practice talks featured at the Visible Lunch have already presented contributions that were chosen as best papers (They are indicated in the program below.). A seventh paper was shortlisted for best paper.



The Visual Computing Group Photo, July 2009  
[Link to more Visible Lunch Photos](#)  
The Visual Computing Group Photo, March 2007

View (100%)

# Visual Analytics in Resilience Roadshow: Sep 2010

File Edit View Bookmarks Widgets Feeds Mail Tools Help  
Open Save Print Find Home  
Resilience Roadsh... x +  
http://cs.swansea.ac.uk/vibe/resilience/agenda.php  
Home Index Contents Search Glossary Help First Previous Next Last Up Copyright Author

## Visual Analysis of Data during Emergencies

Knowledge Discovery through **Visualization**

Home **Event Agenda** Speaker Profiles Contact

### Event Agenda

Below is the final programme for the Visual Analytics in Resilience Roadshow. We look forward to seeing you there!

#### Event Host

Barbara Wilding, CBE, QPM, CCMI, FRSA (former Chief Constable of South Wales Police)

#### Agenda Outline

08:30-09:00	Tea & Coffee, and collecting name badges
09:00-09:05	Welcome by Barbara Wilding
09:05-09:15	Opening by Gareth Hall, Director General (Enterprise), WAG
09:15-10:05	Dr. Joe Kielman, Lead, Futures Research, U.S. DHS <i>Keynote: The Path of Visual Analytics and the US Resilience Program</i>
10:05-10:30	Professor Hans Hagen (Kaiserslautern, Germany), Visual

#### Essential Info

**When is it?**  
Monday 13 September 2010

**Where is it?**  
Wales Millennium Centre, Cardiff  
([click for map](#))

**Sponsored by**  
Welsh Assembly Government and UK Visual Analytics Centre

[Add to Google Calendar](#)  
[Add to iCal or Outlook](#)

View (100%)

# 6<sup>th</sup> Conference: IEEE VisWeek Oct 2010

File Edit View Bookmarks Widgets Feeds Mail Tools Help

Open Save Print Find Home

Resume - Robert S... x Welcome to VisWe... x

http://vis.computer.org/VisWeek2010/

Home Index Contents Search Glossary Help First Previous Next Last Up Copyright Author

October 24 - 29, 2010 | Salt Lake City, Utah, USA

SEARCH

FOR CBR

IEEE VGTC IEEE IEEE computer society

## Welcome to VisWeek 2010!

16th IEEE InfoVis Conference  
5th IEEE VAST Conference  
Symposium on Software Visualization

October 24 - 29, 2010 | Salt Lake City, Utah, USA

Follow us on Twitter at @ieevisweek to keep up with conference activities and announcements.

**Conference at a Glance:** Click [here](#) for a thumbnail view of the Conference schedule.

The **IEEE VisWeek 2010** Final Program is now available. To download, please click [here](#) (PDF, 5.5 MB).

**Breaking news: VisLies** is back for 2010. The ever popular audience participatory **VisLies** session — or “*How to Lie and Confuse with Visualization*” &mdash will continue its tradition of bringing you laughs, tears of joy, and hopefully some deep thoughts. **Tuesday evening, 8:30PM — 10:00PM.** Imperial Ballroom C/D.

**IEEE VisWeek 2010** is the premier forum for visualization advances for academia, government, and industry. This event brings together researchers and practitioners with a shared interest in tools, techniques, and technology. The conferences and symposium will include an exciting and informative collection of workshops, tutorials, papers, panels, demonstrations, posters, and exhibitions. We invite you to participate in **IEEE Visualization**, **IEEE Information Visualization**, and **IEEE Visual Analytics Science and Technology (IEEE VAST)**, along with the co-located **Symposium on Software Visualization (SOFTVIS)**, by sharing your research, insights, experience, and enthusiasm in Salt Lake City, Utah.

Salt Lake City offers attendees the amenities of a large metro city while also providing the opportunity for numerous recreational activities in the

### Important Dates

**VisWeek 2010**  
Sunday, October 24 - Friday, October 29, 2010

### Supporters (become one)

Platinum  
 www.sca.utah.edu

Gold

Silver  
Microsoft  
  
 imagination at work

View (100%)





# 7<sup>th</sup> Conference: Eurographics Apr 2011

The screenshot shows a web browser window displaying the Eurographics 2011 website. The browser's address bar shows the URL <http://eg2011.bangor.ac.uk/>. The website header features the event title "Eurographics 2011 LLANDUDNO UK" and the dates "11-15 April 2011", along with the host information "Bangor University School of Computer Science". A navigation menu includes links for HOME, CALLS, VENUE, CO-EVENTS, EG2011 SPONSORS, ACCOMMODATION, REGISTRATION, PROGRAMME, and KEYNOTES.

The main content area is titled "WELCOME TO THE WEBPAGES OF EUROGRAPHICS 2011" and contains the following text: "Eurographics 2011 was the 32nd annual conference of the European Association for Computer Graphics. The conference took place in the town of Llandudno in Wales, UK at Venue Cymru. The hosts for 2011 were the Research Institute of Visual Computing, locally organised by the Visualization and Medical Graphics group at the School of Computer Science, Bangor University."

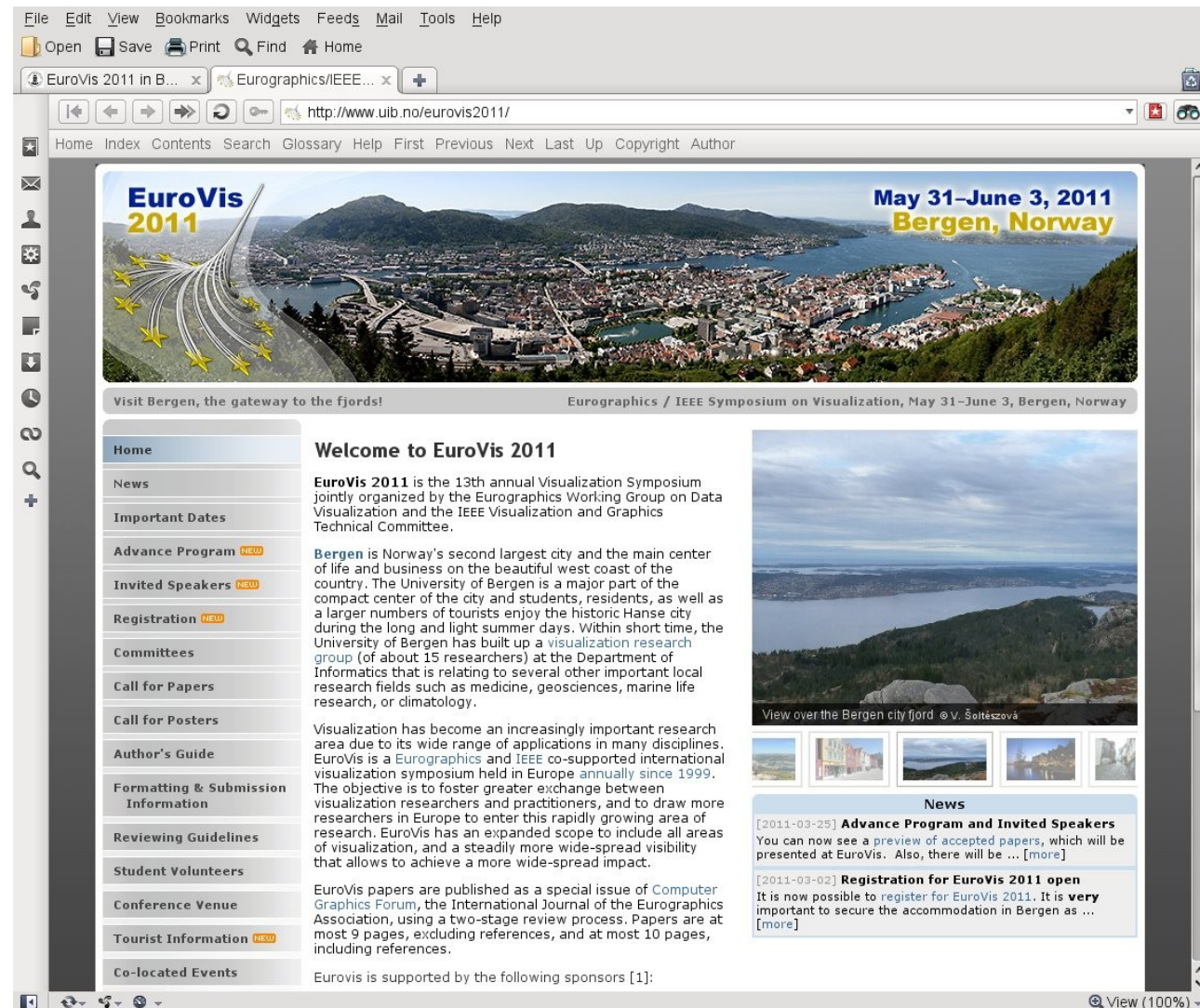
Below this text is a section titled "EG2011 is now closed - Diolch!" followed by a photograph of the conference dinner. The photo shows a large group of people seated at round tables in a dimly lit room, with a large screen in the background displaying the event logo and dates.

To the right of the main content is an "EVENT NEWS" sidebar with a list of updates: "Keynote speakers for EG2011 were: Kurt Akeley; Frits Post; and Guillaume Thierry. More details appear here.", "Wales Red Dragon mesh model is available for download.", "Visit Llandudno", and "Industrial Session: Disney Animation Studios."

At the bottom of the page, there is a link for "EG2011 Conference Programme - final version (booklet version .pdf) (linear version .pdf)" and a note that "More details about the Eurographics 2011 Conference Dinner can be found here."

# 4th Joint Paper/8<sup>th</sup> Conference: June 2011

Heike Jaenicke, Thomas Weidner, David Chung, Robert S. Laramée, Peter Townsend, and Min Chen, **Visual Reconstructability as a Quality Metric for Flow Visualization**, *Computer Graphics Forum (CGF)*, Vol. 30, No. 3, 2011, (Proceedings of EuroVis 2011, 31 May - 3 June 2011, Bergen, Norway)



The screenshot shows the EuroVis 2011 website in a browser window. The browser's address bar displays 'http://www.uib.no/eurovis2011/'. The website features a large banner image of Bergen, Norway, with the text 'EuroVis 2011' and 'May 31–June 3, 2011 Bergen, Norway'. Below the banner, there is a navigation menu with links like 'Home', 'Index', 'Contents', 'Search', 'Glossary', 'Help', 'First', 'Previous', 'Next', 'Last', 'Up', 'Copyright', and 'Author'. The main content area is divided into two columns. The left column contains a sidebar with links to 'Home', 'News', 'Important Dates', 'Advance Program', 'Invited Speakers', 'Registration', 'Committees', 'Call for Papers', 'Call for Posters', 'Author's Guide', 'Formatting & Submission Information', 'Reviewing Guidelines', 'Student Volunteers', 'Conference Venue', 'Tourist Information', and 'Co-located Events'. The right column contains a 'Welcome to EuroVis 2011' section with a paragraph of text, a 'News' section with two news items, and a 'Sponsors' section. The browser's status bar at the bottom shows 'View (100%)'.

# Dagstuhl: June 2011

The screenshot shows a web browser window displaying the Dagstuhl website. The browser's address bar shows the URL: <http://www.dagstuhl.de/en/program/calendar/semhp/?semnr=11231>. The website header includes the text "SCHLOSS DAGSTUHL Leibniz-Zentrum für Informatik" and a search bar. The main navigation menu has tabs for "About Dagstuhl", "Program", "Publications", and "Library". The "Program" tab is active. The page content includes a breadcrumb trail: "You are here: Program » Calendar » Seminar Homepage". Below this, the URL <http://www.dagstuhl.de/11231> is shown, followed by the dates "05.06.11 - 10.06.11, Seminar 11231" and the title "Scientific Visualization". The "Organizers" section lists: Min Chen (University of Wales - Swansea, GB), Hans Hagen (TU Kaiserslautern, DE), Charles D. Hansen (University of Utah, US), and Arie Kaufman (SUNY - Stony Brook, US). The "For support, please contact" section lists Simone Schilke and Roswitha Bardohl. The "Documents" section includes links for "List of Participants", "Shared Documents", and "Seminar Wiki". The "Seminar Schedule" section has a link to "Upload here" and a note to use seminar number and access code. The "Motivation" section describes Scientific Visualization (SV) as the transformation of abstract data into readable images. The right sidebar contains sections for "Book exhibition", "Documentation", "Publications", and "Dagstuhl's Impact". The footer of the browser window shows "View (100%)".

Robert S. Laramee  
[r.s.laramee@swansea.ac.uk](mailto:r.s.laramee@swansea.ac.uk)

<http://cs.swan.ac.uk/~csbob/>

# Snooker Visualization: May 2011-2013



# Acknowledgments

- Thank you SuperMin!
- Any questions?

