

Call for Paper: 9th International Symposium on Knowledge Visualization and Visual Thinking, KV2015

Introduction

In an increasingly complex world, Knowledge Visualization and Visual Thinking are gaining importance in all areas of science, business and society. Analogue and digital visual approaches aim to support the creation, application and communication of knowledge and insights – particularly in situations where people from different educational, cultural and professional backgrounds collaborate.

Whilst Information Visualization (IV) focuses on the use of computer-based tools to explore large data sets, Knowledge Visualization (KV) and Visual Thinking investigate (a) how to create and transfer insights between individuals and within groups, (b) how to manage and reduce complexity and to allow understanding, and (c) how to support learning, communication and interaction through new approaches and techniques.

Knowledge Visualization aims to facilitate the mutual transfer of facts, insights, experiences, values, expectations, perspectives, opinions and predictions. Researchers and practitioners in the domains of Knowledge Visualization and Visual Thinking develop strategies, tools and methods to make knowledge visible and to improve processes through which knowledge can be identified, accessed, assessed, shared, discussed, applied and generally managed.

Objective

The Symposium on Knowledge Visualization and Visual Thinking is an international, interdisciplinary forum for contributions from fields such as Knowledge Management and Visualization, Information Design and Architecture, Cognitive Science, Argument Mapping, Business Sketching, Visual Analytics, Arts, Interface Design, Business Analysis, Project Management, Economics, Market Research, Learning Sciences, Media and Communication Studies.

The joint aim is to address and discuss theories, methodologies, techniques, applications, evaluations and case studies related to the visualization of knowledge and to processes which involve visual thinking.

Scope

This call for papers seeks original papers and contributions concerning, but not limited to:

- Theories, frameworks and models of knowledge visualization and all aspects of visual thinking
- Systems, methods and ideas on the evaluation of visualization methods and on conveying un-/intended inferences (e.g. why do visualizations fail, even misrepresent, misinform, mislead etc)
- Research on the economic and social impact of visualizations (e.g. efficiency, meaning, policy, cross-cultural)
- Case studies on innovations in the visualization of knowledge, particularly in the area of 'Complexity Management' (e.g. visualizing complex change projects)
- Experiences on the use of visual metaphors in science, business, politics and society
- Evaluations in the area of marketing and management support (e.g. abstract services in business, strategy implementation etc)
- Research on the use of visual methods to communicate complex facts (e.g. nanotechnology to the general public, use of visualizations in media, in urban planning as to future cities, in general simulation etc)
- Models and applications for infrastructures using interactive touch-displays (e.g. large multi-touch displays)
- Experiences on the use of live sketching to facilitate knowledge sharing, integration, and creation
- New forms of interactive Dynagrams (dynamic decision diagrams) for collaborative contexts
- Knowledge Visualizations for a VUCA World (highly volatile, uncertain, complex, and ambiguous contexts)

Further Information and Contact

KV2015 is part of the 19th International Conference on Information Visualisation (IV2015), 21-24 July 2015, Barcelona, Spain. Details and guidelines for submission of full papers or posters (Deadline: **2 March 2015**) are available at <http://www.graphicslink.co.uk/IV2015/>.

All enquiries regarding the Symposium on Knowledge Visualization and Visual Thinking should be addressed to Sebastian Kernbach (sebastian.kernbach@unisg.ch). To maintain a high quality standard, early submission is encouraged. Since this is a collaborative and innovative forum, Sebastian is open to discuss your suggestions and ideas at early stages.

Organizing Committee

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The 9th International Symposium on Knowledge Visualization and Visual Thinking (KV2015) is part of the 19th International Conference on Information Visualisation (IV2015)

Information Visualisation Society Conference



19th International Conference Information Visualisation

21, 22, 23 and 24 July 2015

The University of Barcelona • Barcelona • Spain •



One of the longest running Information Visualisation conferences

IV2015 Conference Link:

<http://www.graphicslink.co.uk/IV2015/>.

Direct link to the Symposium on Knowledge Visualization and Visual Thinking (KV2015):

<http://www.graphicslink.co.uk/IV2015/KV.htm>.

All important dates are available here:

<http://www.graphicslink.co.uk/IV2015/DATES.htm>.

***** New Visual Thinking Workshop *****

In 2015 we will provide for the first time a one day workshop on the day before the conference (21st July 2015) on "Visual Thinking for (PhD) researcher" which is a hands-on workshop with the aim to show and experience how to think more clearly, have more engaging conversations, and create richer research by using visual thinking.

All details are here: http://www.graphicslink.co.uk/IV2015/VisualThinking_PhDresearchers_IV15.pdf.