

BELIV'06

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Proceedings of BELIV'06
BEyond time and errors: novel evaLuation
methods for Information Visualization

A workshop of the [AVI 2006](#) International Working Conference



Beliv'06 Workshop Table of Content

Challenges with Controlled Studies

- **Evaluating Information Visualizations.....**
Andrews
- **An Explorative Analysis of User Evaluation Studies.....**
Geoffrey Ellis, Alan Dix

Lessons Learned from Case Studies

- **Evaluating Visual Table Data Understanding.....**
Nathalie Henry, Jean-Daniel Fekete
- **Evaluating Information Visualization Applications with Focus Groups: the CourseVis experience.....**
Riccardo Mazza
- **Methods for the Evaluation of an Interactive InfoVis Tool Supporting Exploratory Reasoning Processes.....**
Markus Rester, Margit Pohl, Klaus Hinum, Silvia Miksch, Christian Popow, Susanne Ohmann, Slaven Banovic

Methodologies: Novel Approaches and Metrics

- **Strategies for Evaluating Information Visualization Tools: Multi-dimensional In-depth Long-term Case Studies.....**
Ben Shneiderman, Catherine Plaisant
- **Visual Quality Metrics.....**
Enrico Bertini, Giuseppe Santucci
- **Metrics for Analyzing Rich Session Histories.....**
Howard Goodell, Chih-Hung Chiang, Curran Kelleher, Alex Baumann, Georges Grinstein

Methodologies: Heuristics for Information Visualization

- **Heuristics for Information Visualization Evaluation.....**
Torre Zuk, Lothar Schlesier, Petra Neumann, Mark S. Hancock, Sheelagh Carpendale
- **Systematic Inspection of Information Visualization Systems.....**
Carmelo Ardito, Paolo Buono, Maria Francesca Costabile, Rosa Lanzilotti

Developing Benchmarks datasets and tasks

- **Shakespeare's Complete Works as a Benchmark for Evaluating Multiscale Document-Navigation Techniques.....**

Yves Guiard, Yangzhou Du, Jean-Daniel Fekete, Michel Beaudouin-Lafon,
Caroline Appert, Olivier Chapuis

- **Threat Stream Data Generator: Creating the Known Unknowns for Test and Evaluation of Visual Analytics Tools**.....
Whiting, Mark, Haack, Jereme, Varley, Caroline
- **Just how dense are dense graphs in the real world? A methodological note**.....
Guy Melançon
- **Task Taxonomy for Graph Visualization**.....
Bongshin Lee, Catherine Plaisant, Cynthia Sims Parr
- **A Taxonomy of Tasks for Guiding the Evaluation of Multidimensional Visualizations**.....
Eliane Valiati, Marcelo Pimenta, Carla M.D.S. Freitas

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Foreword

Information visualization systems can be very complex and require evaluation efforts targeted at the component level, the system level, and the work environment level. Some components can be evaluated with metrics that can be observed or computed (e.g. speed, accuracy, scalability), while others require empirical user evaluation to determine their benefits while used by humans.

Controlled experiments remain the workhorse of evaluation but there is a growing sense in the community that information visualization systems need new methods of evaluation, from longitudinal field studies, insight based evaluation and other metrics adapted to the perceptual aspects of visualization as well as the exploratory nature of discovery. While the overall growth of information visualization is accelerating, the growth of techniques for the evaluation of systems has been relatively slow. That is true for both usability studies and intrinsic quality metrics. Usability studies still tend to be addressed in an ad hoc manner, focusing on particular systems, addressing only time and errors issues, and failing to produce reusable and robust results. Intrinsic quality metrics are even more rare and immature while it is vital defining and assessing them.

The aim of the workshop is to collect and discuss innovative ideas on infovis evaluation methods. That includes new ways of conducting user studies, definition and assessment of infovis effectiveness through the formal characterization of perceptual and cognitive tasks and insights, definition of quality criteria and metrics. Case study and survey papers are also part of the workshop since they present interesting general guidelines, practical advices, and lessons learned.

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