IEEE SYMPOSIUM ON INFORMATION VISUALIZATION (INFOVIS '98)

Sponsored by the IEEE Computer Society Technical Committee on Computer Graphics

October 19-20, 1998 • *Imperial VI & VII*

Monday, October 19

8:30 - 10:00	***Opening Remarks and Keynote Address*** : **Leveraging Human Capabilities in Information Perceptualization**, George Robertson, *Microsoft*
10:00 - 10:30	Break
10:30 - 12:00	***Papers*: Visualizing Hierarchies and Networks**

(1) **WebPath - a Three-dimensional Web History**, Emmanuel Frecon, Gareth Smith

(2) **Traversal-based Visualization of Data Structures**, Jeffrey Korn, Andrew Appel

(3) **Reconfigurable Disc Trees,** Chang Sung Jeong, Alex Pang

(4) **An Interactive View for Hierarchical Clustering,** Graham Wills

12:00 - 1:30	Lunch
1:30 - 3:00	***Papers*: Visualizing Large Information Spaces**

(1) **Taming Large Datasets with Dynamic Aggregation,** Mei Chuah

(2) **The Generalized Detail-In-Context Problem,** T. Alan Keahey

(3) **Similarity Clustering of Dimensions for an Enhanced Visualization of Multidimensional Data,** Mihael Ankerst, Stefan Berchtold, Daniel Keim

(4) **Uncluttering Force-Directed Layouts,** E. Gansner, S. North

(5) **Combining Topological & Multidimensional Scaling for Visualizing Large Datasets,** D. Brodbeck, L. Giardin

3:00 - 3:30	Break
3:30 - 5:00	***Papers*: Visualization Frameworks and Systems**

(1) **An Operator Interacton Framework for Visualization Spreadsheets,** Ed Chi, John Riedl

(2) **Algorithm Visualization for Distributed Environments,** Yoram Moses, Zvi Polunsky, Ayellet Tal, Leonid Ulitsky

(3) **IVORY - an object-oriented Framework for Physics-Based Information Visualization in Java,** T.C. Sprenger, M.H. Gross, D. Bielser, T. Strasser

(4) **Geographic Visualization: Designing Manipulable Maps for Exploring Temporally Varying Georeferenced Statistics,** Alan MacEachren, Frank Boscoe, Daniel Haug, Linda Pickle

7:00	**Reception**

Tuesday, October 20

8:30 - 9:15	***Panel*: Visualization in Command and Control Centers** – *A discussion of issues and challenges for both military and industry centers for command and control of large complex systems*
9:15 - 10:00	***Short Reports and Late Breaking Hot Topics I***

(1) **Information Slices,** Andrews

(2) **Enhancing Visualizations with Motion,** L. Bartram

(3) **Bringing the Advantages of 3D Distortion Viewing Into Focus,** Carpendale et al.

10:00 - 10:30	Break
10:30 - 12:00	***Short Reports and Late Breaking Hot Topics II***

(1) **Saying It in Graphics: From Intentions to Visualizations,** Stephan Kerpedjiev, Giuseppe Carenini, Nancy Green, Johanna Moore, Steven Roth

(2) **Visualizing Decision Table Classifiers,** Bary Becker

(3) **Comparative Visualization of Protein Structure-Sequence Alignments,** Marc Hansen, Doanna Meads, Alex Pang

(4) **Tactical map-based information,** Steven Holste

(5) **Visualizing Contract Wins & Losses,** S. Kim et al.

(6) **Contextual Model Fitting,** L. Tweedle

(7) **Navigating Aggregation Spaces,** A. Mockus

12:00-1:30	Lunch
1:30 - 3:00	***Papers:* Visualizing Text and Documents**

(1) **Lensbar - Visualization for Browsing and Filtering Large Lists of Data,** Toshiyuki Masui

(2) **The Shape of Shakespeare: Visualizing Text Using Implicit Surfaces,** Randall Rohrer, David Ebert, John Sibert

(3) **BiblioMapper: A Cluster-based Information Visualization Technique,** Min Song

(4) **Multi-faceted Insight Through Interoperable Visual Information Analysis Paradigms,** Beth Hetzler, Paul Whitney, Lou Martucci, Jim Thomas

3:00 - 3:30	Break
3:30 - 5:00	***Capstone Address*** : **Visual Explanations**, Edward Tufte, *Yale University*

IEEE InfoVis '98 Symposium gratefully acknowledges support from:

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VIZLIES '98

TUESDAY EVENING SPECIAL SESSION — PARTY

Tuesday 7:30pm • *Imperial VI & VII*
How to Lie and Confuse with Visualization

Symposium Chair
Jim Hollan, *University of California, San Diego*
Program Co-Chairs
Graham Wills, *Lucent Technologies' Bell Labs,* gwills@research.bell-labs.com
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