



The tenth annual IEEE Symposium on Information Visualization (InfoVis), was held on October 10-12, 2004, in conjunction with IEEE Visualization 2004 conference.

InfoVis is the primary meeting in the field of information visualization, and is held in conjunction with the IEEE Visualization 2004 (Vis04) conference in Austin, Texas.

Computer-based information visualization, or "infovis", centers around helping people explore or explain data through systems that include static or interactive visual representation. The central design challenge in infovis is designing a cognitively useful spatial mapping of a dataset that is not inherently spatial. There are many possible visual encodings, only a fraction of which are helpful for a given task. We draw on the intellectual history of several traditions, including computer graphics, human-computer interaction, cognitive psychology, semiotics, graphic design, statistical graphics, cartography, and art. The synthesis of relevant ideas from these fields is critical for keeping pace with the torrents of data that confront us all.

Dr. Stephen Eick, Diane Cluxton and Jie Yun spoke on Hypothesis Visualization. DECIDE™ hypothesis visualization tool combines structured argumentation with the analysis of competing hypotheses and Bayesian hypothesis scoring. The tool enables analysts to associate evidence with hypotheses, set evidence believability and credibility, evaluate argument strengths; thereby creating well-reasoned analytic arguments. Users manipulate the hypotheses and their associated inference networks using visualization techniques. DECIDE™ presents new metaphors for visualizing and manipulating hypothesis based analysis.

About SSS Research, Inc.

Founded in 2003 by Dr. Stephen G. Eick, SSS Research develop products and services that enable analysts to understand complex information sets and convert this understanding into better decisions. We design state-of-the-art systems for national defense, intelligence and other high priority government missions with increased emphasis on Homeland Defense, Intelligence Analysis, and Information Security. For more information, visit <http://www.sss-research.com> or call 1.630.548.2332.

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