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Proceedings

Edited by
Kwan-Liu Ma
Stephen North
Bill Yurcik

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Preface

Computer security is one of the key problems of our day. Security operations analysts and researchers alike cope with difficult challenges in the scale and complexity of the data that must be analyzed to ensure the integrity of computer networks and systems.

VizSEC 2005 covers many leading research topics in the interdisciplinary area of visualization and human interfaces for computer security. The submitted papers show several noteworthy trends. We are glad to see that many practical prototype systems are converging and building off each other. Also, the program includes papers on two relatively new security visualization domains - firewall alert and trust negotiation. Several institutes have two accepted papers, and we have a first commercial VizSEC paper.

To be inclusive, we accepted more than 50% of the submissions. About 20% of the papers incorporate user studies, which is good to see. It seems appropriate that this years' VizSEC drew more of an emphasis on viz than security, given co-location between premiere visualization conferences. The program is still somewhat U.S.-centric; so further efforts are needed to reach a broader technical audience.

VizSEC 2005 is delighted to acknowledge the sponsorship of AT&T Labs and the National Science Foundation, as well as the strong support of the IEEE Technical Committee on Visualization and Graphics. We particularly thank Jenny Papenbrock, Steven Bergner, and Torsten Möller for their work on the proceedings.

Kwan-Liu Ma, Stephen North, and Bill Yurcik

IEEE Visualization and Graphics Technical Committee (VGTC)

http://tab.computer.org/vgtc

Mission

The IEEE Visualization and Graphics Technical Committee (VGTC) is a formal subcommittee of the Technical Activities Board (TAB) of the IEEE Computer Society. The VGTC provides technical leadership and organizes technical activities in the areas of visualization, computer graphics, virtual and augmented reality, and interaction.

The VGTC sponsors not only the annual Visualization and Virtual Reality conferences, but also many focused symposia and conferences, including InfoVis, Volume Graphics, Point-Based Graphics, and EuroVis (formerly VisSym).

Awards

To recognize its members for their outstanding technical accomplishments, the VGTC sponsors a series of technical awards since 2004. The awards honor outstanding technical achievements in visualization and virtual reality. VGTC members may nominate individuals by contacting the awards chair, John Staudhammer, at http://tab.computer.org/vgtc/.

National Initiatives

The VGTC is actively involved in national initiatives that study and promote the immediate and long-range challenges in visualization and computer graphics and related research areas. For more information visit our web page.

Getting Involved

Membership in the VGTC is open to all individuals interested in visualization and computer graphics at a professional level. There are no dues for VGTC membership and no IEEE membership requirements.

Web Site

Visit the VGTC web site at http://tab.computer.org/vgtc. It offers information about how to join, VGTC activities, awards, national initiatives, conferences and symposia, and contains a link to a comprehensive membership directory.

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Institute of Computer Graphics
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keim@informatik.uni-konstanz.de

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