2016 IEEE Symposium on Visualization for Cyber Security (VizSec 2016)

Baltimore, Maryland, USA
24 October 2016

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

Table of Contents

Papers

J-Viz: Finding Algorithmic Complexity Attacks via Graph Visualization of Java Bytecode
Md. Jawaherul Alam, Michael Goodrich, and Timothy Johnson

Cesar: Visual Representation of Source Code Vulnerabilities
Hala Assal, Sonia Chiasson, and Robert Biddle

Visualisation of Actionable Knowledge to Mitigate DRDoS Attacks
Michael Aupetit, Yury Zhauniarovich, Giorgos Vasiliadis, Marc Dacier, and Yazan Boshmaf

Mixed Method Approach to Identify Analytic Questions to be Visualized for Military Cyber Incident Handlers
Laurin Buchanan, Anita D'Amico, and Drew Kirkpatrick

Understanding the Context of Network Traffic Alerts
Bram C.M. Cappers and Jarke J. van Wijk

V3SPA: A Visual Analysis, Exploration, and Diffing Tool for SELinux and SEAndroid Security Policies
Robert Gove

Uncovering Periodic Network Signals of Cyber Attacks
Ngoc Anh Huynh, Wee Keong Ng, Alex Ulmer, and Jörn Kohlhammer

Detecting Malicious Logins in Enterprise Networks Using Visualization
Hossein Siadati, Bahador Saket, and Nasir Memon

Bigfoot: A Geo-based Visualization Methodology for Detecting BGP Threats
Meenakshi Syamkumar, Ramakrishnan Durairajan, and Paul Barford

Case Studies

CyberPetri at CDX 2016: Real-time Network Situation Awareness
Dustin Arendt, Dan Best, Russ Burtner, and Celeste Lyn Paul

Visualizing a Malware Distribution Network
Sebastian Peryt, Jose Andre Morales, William Casey, Aaron Volkmann, and Yang Cai

Visually Guided Flow Tracking in Software-defined Networking
Tobias Post, Thomas Wischgoll, Adam R. Bryant, Bernd Hamann, Paul Müller, and Hans Hagen