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# ***Visualization and Data Analysis 2014***

**Pak Chung Wong**  
**David L. Kao**  
**Ming C. Hao**  
**Chaomei Chen**  
*Editors*

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## Introduction

VDA 2014 is the 21<sup>st</sup> annual IS&T/SPIE Conference on Visualization and Analysis. VDA covers all R&D and application aspects of data visualization and visual analytics. This year the conference is held in conjunction with IS&T/SPIE Electronic Imaging (EI) 2014 Symposium at the Hilton San Francisco in Union Square, San Francisco, CA from February 3 to February 5, 2014.

The conference is organized by four chairs (Pak Chung Wong, David L. Kao, Ming C. Hao, and Chaomei Chen) and four co-chairs (Christopher G. Healey, Mark A. Livingston, Ian Roberts, and Thomas Wischgoll). David Kao and Ming Hao serve as the paper chairs and Chaomei Chen serves as the best paper chair. Ian Roberts manages the VDA conference website at <http://vda-conference.org>. The entire conference committee supports all aspects of conference organizing activities including paper review, publicity and sponsorship development, and keynote speaker invitation.

VDA 2014 received 34 submissions from around the world. Each submission received at least three peer reviews. The two paper chairs examined the reviewers' comments and selected 20 manuscripts as full papers for conference presentation. The best paper chair independently selected the five best conference papers from the accepted full papers. A special issue of extended versions of the best papers will be published in a major data visualization journal, *Information Visualization (IVI)*. The five best VDA 2014 papers are:

1. [9017-4] Configurable IP-space maps for large-scale, multi-source network data visual analysis and correlation
2. [9017-10] User-driven sampling strategies in image exploitation
3. [9017-12] Visualization of off-screen data on tablets using context-providing bar graphs and scatter plots
4. [9017-15] Relating interesting quantitative time series patterns with text events and text features
5. [9017-18] Visual abstraction of complex motion patterns

The conference also accepted 12 poster papers for interactive presentation on Tuesday evening from 5:30pm to 6:45pm.

The conference program for this year includes two keynote addresses on Monday and Tuesday. The two keynote speakers are Dr. Pak Chung Wong of Pacific Northwest National Laboratory and Dr. Eser Kandogan of IBM Alameda Research Center. Wong's presentation will focus on cybersecurity visualization, and Kandogan's presentation will address "just-in-time visual analytics."

We acknowledge Kitware, SPIE, and an anonymous IT company for sponsoring the conference. We also thank the paper and poster authors, program committee members, and paper reviewers for their hard work to make the

conference a success. Finally, we gratefully acknowledge the support of IS&T/SPIE staff for their tireless support of the conference.

**Pak Chung Wong**  
**David L. Kao**  
**Ming C. Hao**  
**Chaomei Chen**