

Keynote

Visual Analytics for Security



Joe Parry

i2, Great Britain, Head of Research

Abstract

The origins of the visual analytics domain lie in the intersection between the needs and processes of intelligence analysts and the flourishing new visualization techniques. i2 have been delivering visual analysis tools for the law enforcement and intelligence community for the last 20 years, and we have been watching the birth of visual analytics with great interest. In this talk, Joe will give his perspective on the following questions:

- What are the unique characteristics of this domain?
- To what extent is the intelligence community using visual analytic techniques today?
- Where do these techniques fit in terms of their processes?
- What benefits are they getting?
- What problems remain unsolved?
- What are the main barriers to the adoption of new techniques?

Biographical Note

Joe Parry is Head of Research at i2 Group in Cambridge UK. i2 is the leading worldwide provider of visual investigative analysis software for law enforcement, government, military, intelligence and commercial organizations - their software is used by thousands of analysts on a daily basis. Over Joe's eleven years with the company he has had a pivotal architectural role in several major developments, including the flagship Analyst's Notebook product. His research team provides many of the advanced algorithms and techniques that lie behind i2's products, such as social network analysis, text analytics and facial recognition. His most recent projects pioneer the use of rich internet application (RIA) and Web 2.0 style technology for intelligence analysts.