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18th IEEE International
Requirements Engineering Conference
September 27- October 1
Sydney, Australia

5th International Workshop on Visualization in Requirements Engineering REV'08

Program Chairs

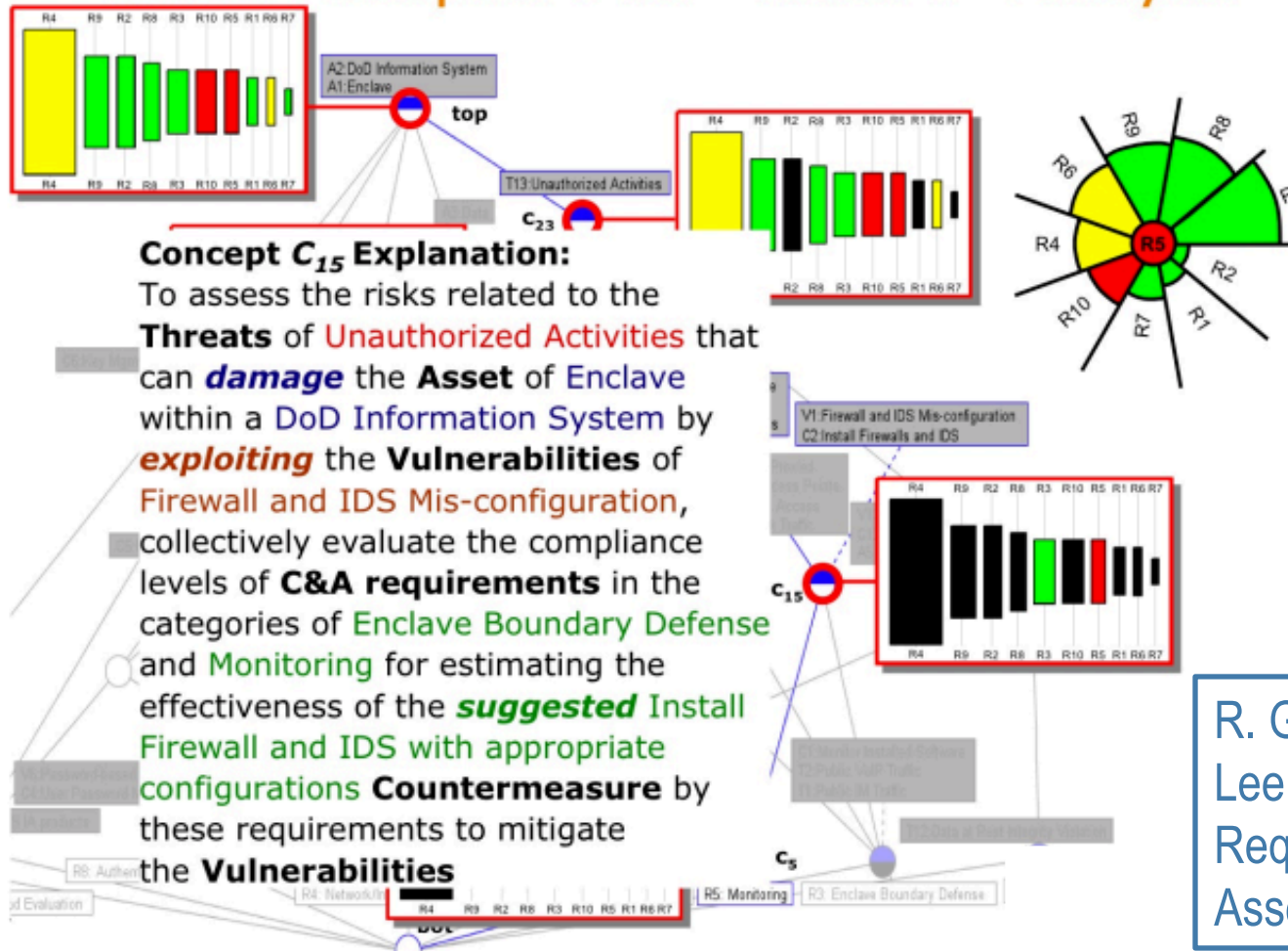## Brian Berenbach Olly Gotel David Callele

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Program Committee

- **Ian Alexander, Scenario Plus, UK**

- **Tom Arbuckle, University of Limerick, Ireland**

- **Paul Bannerman, NICTA, Australia**

- **Nelly Bencomo, Lancaster University, UK**

- **Dan Berry, University of Waterloo, Canada**

- **Manfred Broy, Technische Universität München, Germany**

- **Christof Ebert, Vector Consulting Services, Gmbh, Germany**

- **Holger Giese, Hasso Plattner Institute, Germany**

- **Seok-Won Lee, University North Carolina Charlotte, USA**

- **Nazim Madhavji, University of Western Ontario, Canada**

- **Daniel Moody, University of Twente, The Netherlands**

- **Frank Marchese, Pace University, USA**

- **Stephen Morris, City University London, UK**

- **Pete Sawyer, Lancaster University, UK**

- **Kurt Schneider, Leibniz Universität Hannover, Germany**

- **Krzysztof Wnuk, Lund University, Sweden**

- **Timo Wolf, Siemens Corporate Research, Munich, Germany**

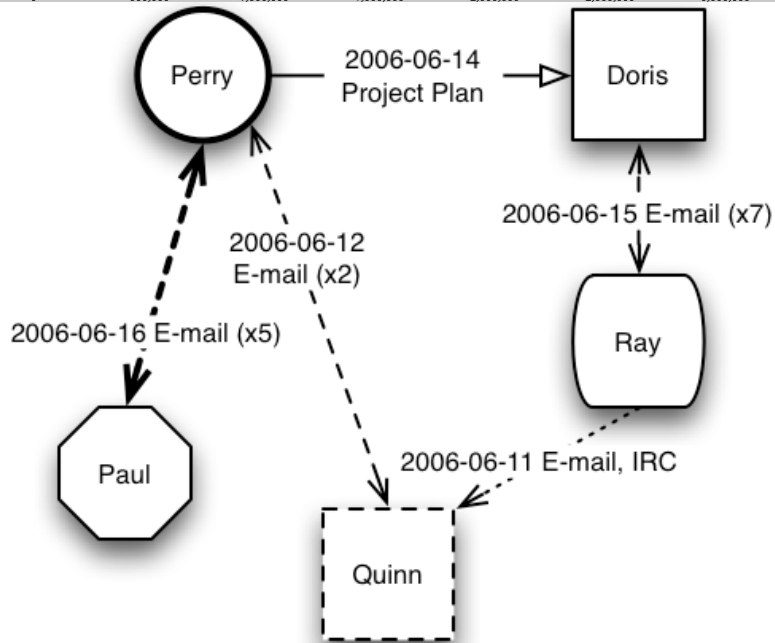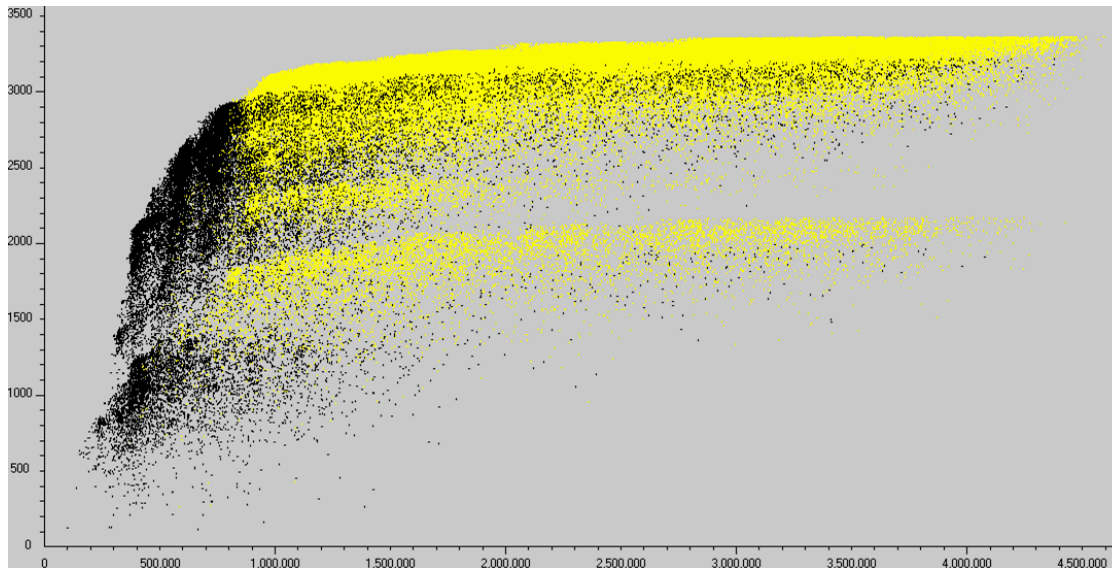- **Eric Yu, University of Toronto, Canada**

Workshop Goals

➢ The workshop aims to provide a collaborative session in which ideas related to the visualization of requirements and ways of making them practical are shared, reviewed and debated.

➢ The controversy surrounding the practicality of non-traditional requirements engineering techniques will be discussed.

➢ The workshop will be used to identify future work, issues, problems and priorities, and to propose recommendations around these dimensions for requirements engineering visualization research.
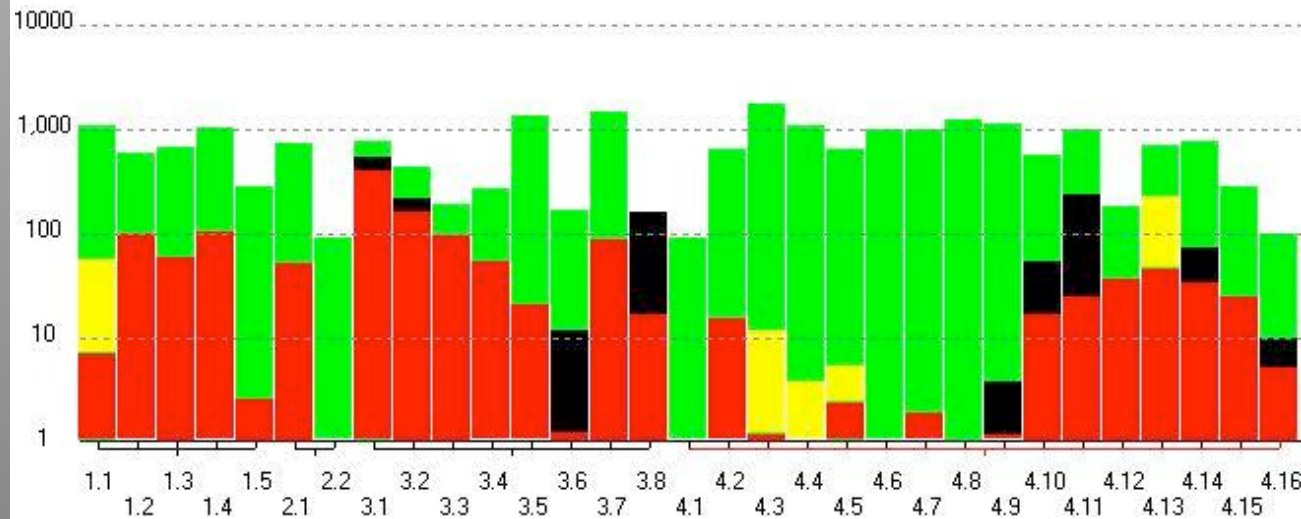
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Visual Metaphors for "What-if" Analysis

Concept C_{15} Explanation:
To assess the risks related to the **Threats** of Unauthorized Activities that can *damage* the **Asset** of Enclave within a DoD Information System by *exploiting* the **Vulnerabilities** of Firewall and IDS Mis-configuration, collectively evaluate the compliance levels of **C&A requirements** in the categories of Enclave Boundary Defense and Monitoring for estimating the effectiveness of the *suggested* Install Firewall and IDS with appropriate configurations **Countermeasure** by these requirements to mitigate the **Vulnerabilities**

R. Gandhi , Seok-Won Lee, "Visual Analytics for Requirements-driven Risk Assessment",
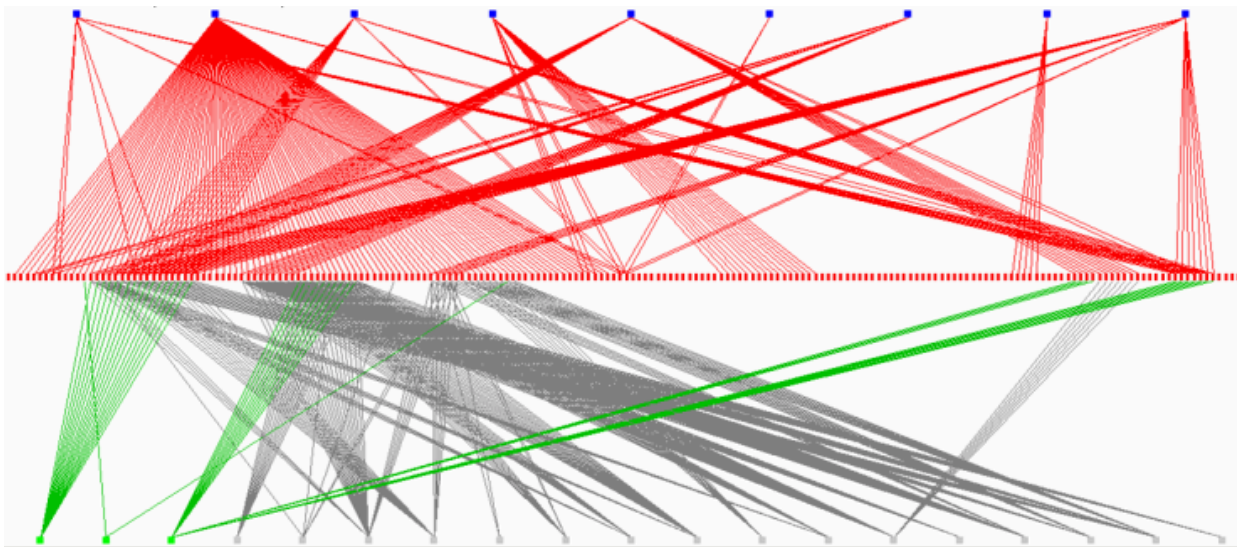
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M.S. Feather, S.L. Cornford , J D. Kiper, T. Menzies ,"Experiences using Visualization Techniques to Present Requirements, Risks to Them and Options for Risk Mitigation"
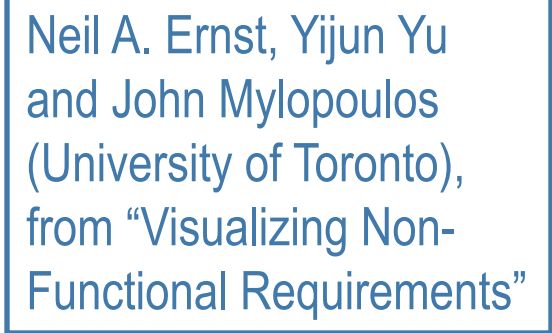
Irwin Kwan, Daniela Damian and Margaret-Anne Storey from "Visualizing Requirements-Centered Social Network to Maintain Awareness within Development Teams"

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Martin S. Feather, Steven L. Cornford, James D. Kiper and Tim Menzies , from "Experiences using Visualization Techniques to Present Requirements, Risks to Them and Options for Risk Mitigation"

M.S. Feather, S.L. Cornford , J D. Kiper, T. Menzies ,"Experiences using Visualization Techniques to Present Requirements, Risks to Them and Options for Risk Mitigation"

REV'10 Workshop

Neil A. Ernst, Yijun Yu and John Mylopoulos (University of Toronto), from "Visualizing Non-Functional Requirements"

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Morning Program

09:00 – 09:10	Welcome to REV'10 and Program Overview - Brian Berenbach. David Callele

09:10 – 10:30   **Session 1: Visualizing Goals and Concerns**
Moderator: Brian Berenbach

- Jennifer Horkoff*, Eric Yu - Visualizations to Support Interactive Goal Model Analysis *(Full Paper – 20 mins)*
  - o   *Discussant – Takanori Ugai*
- Ana Rita Oliveira, João Araújo*, Vasco Amaral - The VisualAORE DSL *(Full Paper – 20 mins)*
  - o   *Discussant – Sam Supakkul*
- Takanori Ugai*, Shinpei Hayashi, Motoshi Saeki - Stakeholders' Concern Visualization with Anchored map *(Short Paper – 10 mins)*
  - o   *Discussant – Jennifer Horkoff*

10:30 – 11:00   Coffee/Tea Break

11:00 – 12:30   **Session 2: Visualizing NFRs and Interactive Session**
Moderator: David Callele

- Sam Supakkul*, Lawrence Chung - Visualizing Non-Functional Requirements Patterns *(Full Paper – 20 mins)*
  - o   *Discussant – Takanori Ugai*
- David Callele* - Physualization: Going Beyond Paper Prototyping *(Interactive Session – 50 mins)*
- Yuhong Wen, He Zhang, Lin Liu*, Hongji Yang - Beyond An Engineering Approach: Creativity in Requirements Elicitation *(Introduction to Lunch Time Group Activity – 10 mins)*

12:30 – 13:30   Lunch

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Afternoon Program

13:30 – 15:00	**Session 3: Mini MERE (Multimedia and Games to Augment Visuals)** Moderator: David Callele

- Group Activity – Yuhong Wen, He Zhang, Lin Liu*, Hongji Yang *(1 hour)*
- David Callele*, Eric Neufeld, Kevin Schneider - A Proposal for Cognitive Gameplay Requirements *(Full Paper – 20 mins)*
  - Discussant – João Araújo

15:00 – 15:30	Coffee/Tea Break

15:30 – 17:00	**Session 4: Towards a Unified Requirements Modeling Language** Moderator: Brian Berenbach

- Jonas Helming, Maximilian Koegel, Florian Schneider, Christine Kaminski, Michael Haeger, Bernd Bruegge, Brian Berenbach* - Towards a Unified Requirements Modeling Language *(Short Paper – 10 mins)*
- Brian Berenbach –- Facilitated Roundtable on a Unified Requirements Modeling Language *(40 mins)*
- REV'10 Poster Discussion and Wrap-up - Brian Berenbach, David Callele *(40 mins)*

19:00 Workshop Dinner – venue to be announced   * Presenter

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And Now...

On with the workshop!