



# 1<sup>st</sup> IEEE International Workshop on Critical Infrastructure Protection

November 3–4, 2005

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## Workshop Program

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## **Program Committee**

Eyal Adar (IT-CON, Israel)  
Jack Cole (US Army Research Laboratory, USA)  
Geert Deconinck (K.U. Leuven, Belgium)  
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Lars Nicander (FHS Stockholm, Sweden)  
Saifur Rahman (Virginia Tech, USA)

## **General Chair**

Bernhard M. Hämmerli (HTA Lucerne, Switzerland)

## **Program Chair**

Stephen D. Wolthusen (Fraunhofer-IGD, Germany and Gjøvik University College, Norway)

The workshop is sponsored by the IEEE Computer Society Task Force on Information Assurance. For information on the IEEE TFIA and related activities please refer to <http://www.ieee-tfia.org>

The workshop is held cooperation with the special interest group on critical infrastructure protection (FG KRITIS) of the Gesellschaft für Informatik. For information on the GI FG KRITIS please refer to <http://www.gi-ev.de/fachbereiche/sicherheit/fg/kritis/>

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0800 — 0930 **Registration / Breakfast**

0930 — 0945 Welcome and Introduction

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### Session I: Detection and Recovery

**0945 — 1015** A Framework for Real-Time Worm Attack Detection and Backbone Monitoring  
*T. Dübendorfer*

**1015 — 1045** On a Microkernel Based System Architecture Enabling Recovery from Rootkits  
*J. Grizzard*

**1045 — 1100** **Break**

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### Session II: Metrics and Indicators

**1100 — 1130** C(I)IP Task Description and a Proposal for a Substitute of National CIIP Policies  
*Bernhard M. Hämmerli*

**1130 — 1200** Corporate Portal as Security Backbone  
*Uwe Maurer*

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**1200 — 1330** **Lunch**

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**1330 — 1415** **Invited Talk I**

The European R & D on resilience of the information infrastructure: moving towards FP7  
*Jacques Bus*

**1415 — 1430 Break and Opportunity for Breakout Sessions with Dr. Bus**

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**Session III: Planning and Human Factors**

**1430 — 1500** Humans as Critical Infrastructure: Public-Private Partnerships Essential to Resiliency and Response  
*Joshua Barnes*

**1500 — 1530** The Need to Improve Local Self-Awareness in CIP/CIIP  
*Roberto Setola*

**1530 — 1600 Break**

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**1600 — 1630 Invited Talk II**  
IT Security in Process Control Systems *H. Honecker*

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**Session IV: Communication Systems**

**1630 — 1700** A Case for Protocol Dependency  
*Juhani Eronen*

**1700 — 1730** Critical Telecommunications Infrastructure Protection in Brazil  
*Emilio Tissato Nakamura*

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**Evening Social Event**

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**November 4, 2005**

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**Session V: Civil and Power Engineering Aspects**

**0900 — 0930** Intelligent Distributed Autonomous Power Systems (IDAPS) and their Impact on Power System Vulnerability Reduction  
*Saifur Rahman*

**0930 — 1000** Critical Infrastructure Awareness Required by Civil Emergency Planning  
*Eric Luijff*

**1000 — 1030 Break**

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**Session VI: Modeling and Risk Assessment**

**1030 — 1100** GIS-based Command and Control Infrastructure for Critical Infrastructure Protection  
*Stephen D. Wolthusen*

**1100 — 1130** Risk Assessment: Challenges and Tools  
*Eyal Adar*

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**1230— 1245** Closing Remarks  
*B. M. Hämmerli, J. L. Cole, and S. D. Wolthusen*