



Research Interest Group

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Agenda

- **Introduction and welcome**
- **Overview and current status**
- **Presentations:**
 - **Dr. Stefan Lueders**
Detector Safety & Security
CERN IT Controls Group
 - **Dr. Robert Cunningham**
Information Systems Technology Group
MIT Lincoln Laboratory
- **Discussions and Way Forward**
 - **Approval of Charter**
 - **Next Steps**



Charter

- **Basic and applied research in security methodologies and technologies related to control systems, including Supervisory, Control, and Data Acquisition (SCADA) systems and Critical Infrastructures. We span the full spectrum of security, including reliability, safety, dependability, and trustworthiness. New approaches to vulnerability assessments, real-time monitoring, survivability and denial, and consequence management are sought. Further, the relatively new field of information forensics, or "infoforensics", of control systems is another area of interest. Lastly, the complexity of critical infrastructures yields inter-dependencies between component systems. Improved modeling and assessment of these inter-dependencies might yield new approaches to the prevention of cascading failures.**



Activity to Date

- **Formed Interest Group 3/24/2005**
- **Held Interest Group Meeting at 2005 PCSF Spring Meeting in Dallas**
- **Generated website:**
<https://www.pcsforum.org/groups/65/>
- **Held Interest Group Meeting at 2005 PCSF Fall Meeting in Chicago**



Goals

- **Share information on current and needed research**
 - **Document and publish to the Web site**
 - **Identify potential recipients who would find this information useful**

- **Identify additional potential members**
 - **Gather recommendations and document**
 - **Reach out to these people post-meeting to discuss objectives, their role and next steps.**

- **Work towards migrating the Interest Group to a Working Group by**
 - **Approving charter**
 - **Developing “Plan of Action” to include; deliverables, milestones, roles and responsibilities, etc**

- **Expand and improve the website**



Presentations

- **Dr. Stefan Lueders**
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CERN IT Controls Group
- **Dr. Robert Cunningham**
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Discussion and Way Forward

- Approval of charter
- Other groups for liaison?
- Other links for website?
- Other items?