



New trends and challenges in information systems security research

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Lots of buzzwords with and without security

- **Cloud computing**
- **Trust**
- **Internet of things**
- **SCADA security**
- **Critical infrastructure**
- **Cyberwar**
- ...



A few fundamentals

- **IP and its overlying services are becoming ubiquitous**
- **Complexity is increasing**
- **Security will not succeed against convenience**
- **Attackers are there**
- **We do not and will not have access to attackers**



Possibilities for further development

- **Focus on purpose of the protected component**
 - Information handling
 - Communication
- **Build simple and manageable tools**
 - Users will choose
- **Demonstrate properties**
 - Using the most appropriate channel
- **Forget about ubiquitous connectivity**