

Norbert Pohlmann and Terms of Understanding

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if(is)
internet security.

Content

- **Introduction: Norbert Pohlmann**
- **Main Research Focus of the Institute for Internet Security - if(is)**
- **My own demands on teaching**
- **My demands on the students**
- **Terms of understanding**
- **What are your wishes and ideas?**
- **Communication**

Introduction

→ Norbert Pohlmann (1/2)

- **1981 to 1985**
Studied
 - electrical engineering
 - specialized in Computer Science
 - Topic of the Thesis: „Cryptographic methods in the data processing: Especially the RSA method in practice“
- **1985 to 1988**
Was employed as a
 - research engineer in the Telemetric Laboratory
 - at the University of Applied Sciences Aachen and
 - worked on numerous research and development projects relating to the integration of security mechanisms into communications systems.
- **1997-2001**
Has written my doctoral thesis on “Possibilities and Limitations of Firewall Systems”

Introduction

→ Norbert Pohlmann (2/2)

- **1988-1999**
Founder and Managing Director of **KryptoKom**
- **1999-2003**
Member of the Management Board of **Utimaco Safeware**
- **Since 09.2003**
Professor in the **Computer Science Department for Distribute Systems and Information Security** at the University of Applied Sciences Gelsenkirchen, Germany
- **Since 01.2005**
Director of the **Institute for Internet Security**
- **Additional Engagements:**
 - Chairman of the board : **TeleTrust**
 - Member of the Steering board: **Secure-IT.NRW**
 - Member of the Permanent Stakeholders' Group: **ENISA**
 - Member of the Academic Council: **GDD**
 - ...

Main Research Focus

→ Institute for Internet Security – if(is)



■ Internet: Research, Situation Awareness, Early Warning

- Internet Analysis System (IAS)
- Internet Availability System (IVS)
- LogData Analysis System, Intrusion Detection, ... for real time analysis



■ Trusted Computing

- Turaya (Security Platform based on TPM)
- Trusted Network Connect (TNC)



■ Anti-Spam

- Survey (German Government, ENISA)
- Distributed IP Reputation Systems, blacklist, ...



■ Other actual topics:

- VoIP QoS/Security, Mobile Security, ID card, ...



See: www.internet-sicherheit.de or www.if-is.net

My own demands

→ Teaching

- I would like to motivate you to invest time and interest in my topics.
- I would like to state to you the importance and necessity of my subjects.
- The range of topics is to wide to do it completely.
- I will teach you the principles, mechanisms and architectures by using exemplary examples.
- I will provide well structured slides!
- I am human too!
 - I don't know everything!
 - I may make mistakes.

My demand on the students

- Be **self-responsible** for your things which you chose to do or not to do.
- Be open minded.
- Be engaged and creative in my topics.
- Give me feedback, so I can develop an understanding for your concerns and optimize the outcome for all of us!

Ground rules / Contract

- Please be on time!
- Please sit in the front and don't hide in the back!
- Please be involved in the lecture and do not talk to your neighbor or otherwise disturb the event!
- Please be attentive to the lecture and take notes.
- Please ask questions immediately, so that we can discuss unclear points right away!
- Please inform me about typing errors you locate in the slides by using a piece of paper or sending an e-mail etc!

Which expectations do you have?

What are your wishes and ideas?

Sorry for my English

- I am an expert in IT security and not in languages.
- So please be tolerant and open-minded.
- Please cut in right away, if you cannot follow the curriculum at certain points due to the language barrier.
- Please help me to improve my English and this course by:
 - Sending me e-mails
 - if you discover mistakes in the slides
or
if you have suggestions for alternative terms that better fit the IT security jargon in the USA.
 - Asking a lot of questions and having professional discussions on the topics
 - ...

Contact

→ How to get in touch with me

- Consultation on demand: **Lieb Building, Room L-312**
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and

Terms of Understanding

Thank you for your attention!
Questions?

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