

Welcome to the **European Cyber Security Challenge** **- Conference -**

Prof. Dr. (TU NN)

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Chairman IT security association TeleTrustT

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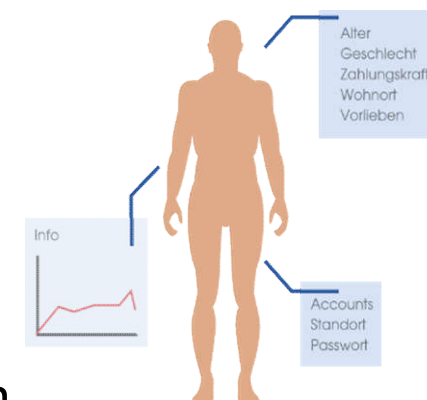
Director of the Institute for Internet Security

at the University of Applied Sciences Gelsenkirchen



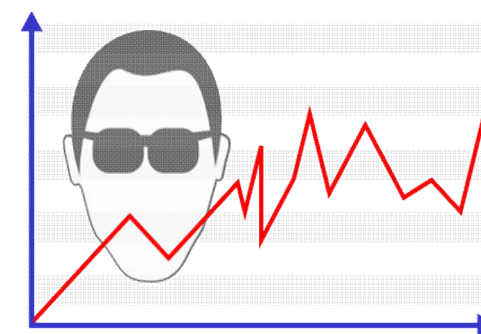
■ Privacy and Autonomy

- Cultural differences
- Business model "Payment with personal data"
- State (e.g. NSA, BND, ...):
Identifying terrorists' activities
- User: autonomy within the meaning of self-determination



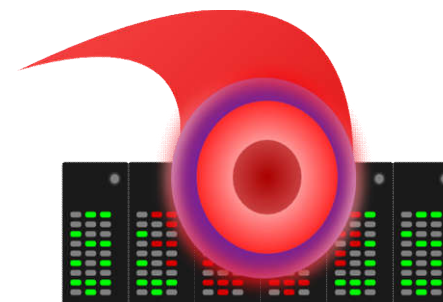
■ Economic Espionage

- about € 51 billion of damage every year (only in Germany)
- Cybercrime: about € 100 million per year e.g. Online Banking, DDoS, ... (only in Germany)

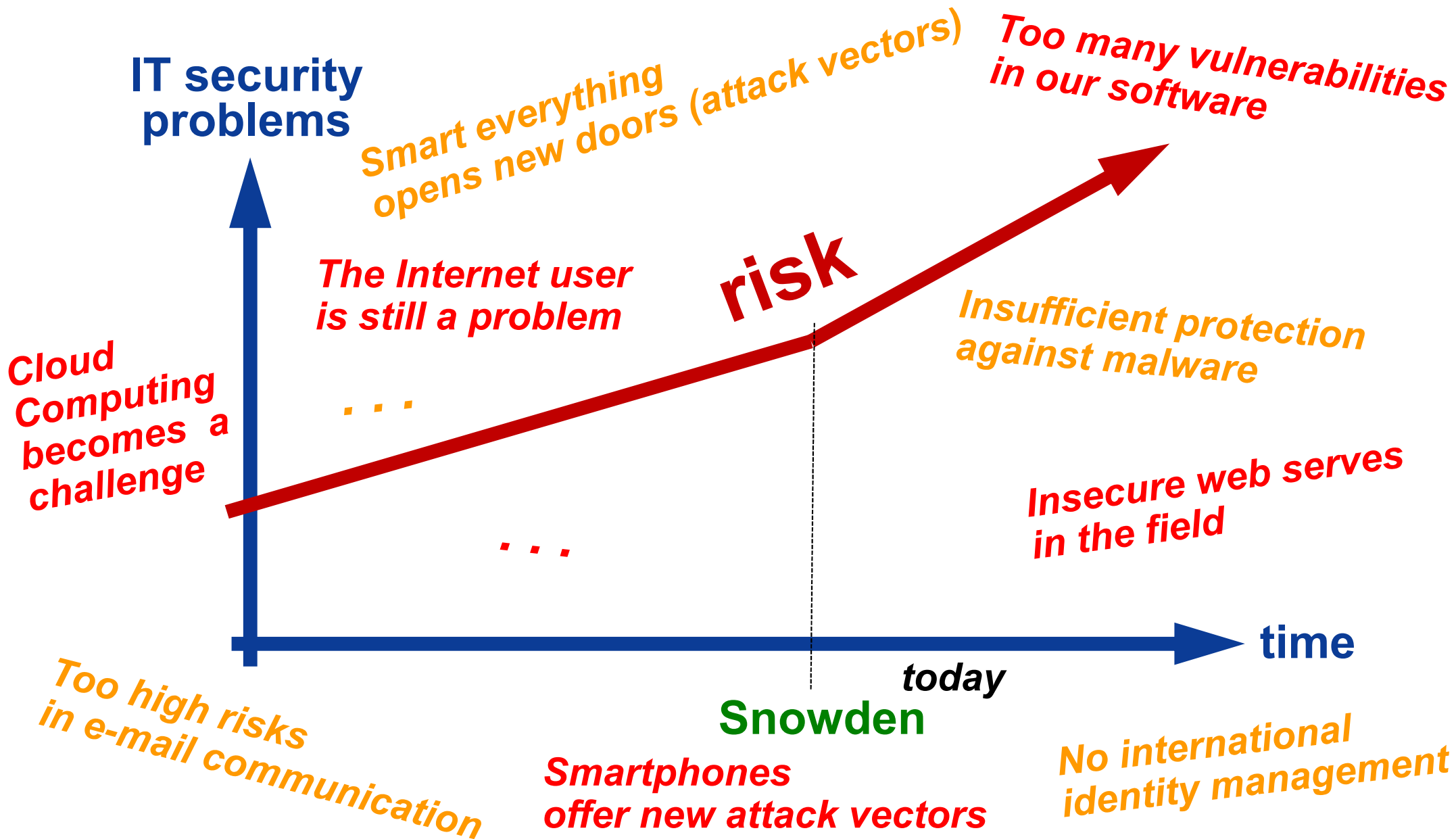


■ Cyberwar

- Implementation of political goals ("simple" and "inexpensive")
- Attacks on Critical Infrastructures e.g. Power supply, water supply, ...



Increasing IT security issues



Why do we carry out the Cyber Security challenge?

- **Not enough IT security professionals**
→ to solve the cyber security problems.



- **Cyber Security competition**
→ identify young cyber security talents → career in cyber security.



- **European Cyber Security Challenge**
→ national competitions → pan-European level.



- The best cyber security talents from each country **meet to compete** against each other to find out which country has the **best cyber talents**.



European Cyber Security Challenge

- This year 10 countries from Europe sent their best Cyber Security talents



Estonia



Ireland



Switzerland



Liechtenstein



Spain



Greece



Austria



Germany



United Kingdom



Romania

100 young cyber security talents

- The cyber Security talents have to **solve security related tasks**

- web security
- mobile security
- crypto puzzles
- reverse engineering
- forensics
- ...



- teams can attack the others and defend themselves accordingly

Special Agenda Topics

- 4 pm: “10 Hacks in 10 Minutes”



- 6:30 pm: “Award Ceremony”



- **Party**
(Networking)



European Cyber Security Challenge

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**Cyber Security Challenge Conference
and talents
for an improved risk level**

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if(is)
internet-sicherheit.