# PA168 – Postgraduate seminar on IT security and cryptography

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Office hours: Mon 15:00-55 & Tue 9:00-9:55 (B415)

# Typical seminar structure

- 2 presentations for the start
- Discussion related to above
- News/developments update
  - Recent news
    - New results/achievements (no attack stats!)
    - Crypto-Gram (B. Schneier), comp.risk,
    - http://www.lightbluetouchpaper.org/
    - http://www.theregister.co.uk/
  - *Own insight / analysis / view*

# Your presentations

- O (Own work)
  - On the topic of your current research / interest
  - Ideally as a training for your needs
    - Presentation for a conference/workshop, thesis, etc.
- N (News)
  - Presentation of news from the last week (or so)
  - This talk can be replaced by your service as a seminar chair/moderator (recommended to PhD students!)
- R (Reading)
  - Presentation of a recent paper
    - Papers proposed during the term
    - Detailed review of the paper with discussion

# Marking & Language

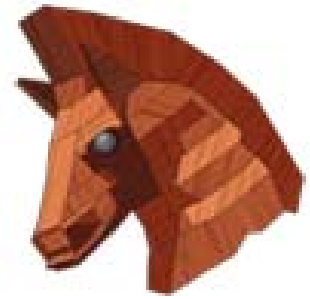
- The course primary language is English!!!
  - In Czech only when the ultimate target for your presentation requires this
    - M.Sc. thesis presentation
    - Czech conference presentation
- Mark comprises:
  - O presentation 40%
  - R & N presentation 30% each
  - Resulting P(ass) for 75% or more
- Other activities (conference report, etc.) can yield up to 10% bonus

# All presentations

- Well structured
  - Slides (projector care – Jirka Kur; laptop care is upon your mutual agreement!)
  - Agreed length respected (practice beforehand!)
- Time allowance is 30-35 minutes for O
  - 20-25 minutes for R and N
- ***Book your dates with Vashek Matyas by Oct 1, noon!!! (e-mail)***

# (R)eadings – choice for this term…

- Any paper from the Proceedings 2010 IEEE Symposium on Security and Privacy
  - Berkeley, California, USA
  - May 16-19, 2010
  - ISBN: 978-0-7695-4035-1
  - All papers available in the IEEE Computer Society Digital Library



# “O” Talk Dates

- Oct 18 – Michal Trunecka
- Oct 25 – Shkodran Gerguri
  - Ladislav Tkac
- Nov 1 – Antonín Víteček
  - Lukas Jakubik
- Nov 8 – Jirka Kur
  - Martin Stehlik
- Nov 15 – Jiří Vomáčka
  - Richard Barányi
- Nov 22 – Tobias Smolka
- Nov 29 – Stefan Koepsell (guest)
  - Vita Bukac
- Dec 6 – Miroslav Buda – Australian Internet censorship system
- Dec 13 – Marián Novotný (guest): Design and analysis of a data integrity protocol for Wireless Sensor Networks

# “N” Talk Dates

- Oct 18 – Jiří Vomáčka
  - Moderator – Andriy Stetsko
- Oct 25 – Miroslav Buda
  - Moderator – Pavel Tucek
- Nov 1 – Michal Trunecka
- Nov 8 – Jan Michelfeit
- Nov 15 – Vita Bukac
- Nov 22 – Lukas Jakubik
- Nov 29 – Martin Stehlik
- Dec 6 – Ladislav Tkac
- Dec 13 – Tomas Vymetal

# “R” Talk Dates

- Oct 18 – Jirka Kur – A Practical Attack to De-Anonymize Soc…
  - Pavel Tucek – The password thicket:…
- Oct 25 – Tobias Smolka - Inspector Gadget: Automated Extr…
- Nov 1 – Jiří Vomáčka – Side-Channel Leaks in Web Apps…
- Nov 8 – Miroslav Buda – How Good Are Humans at Solving…
- Nov 15 – Michal Trunecka – Outside the Closed World: On…
- Nov 22 – Tomas Vymetal – Experimental Security Analysis…
  - Martin Stehlik – Round-Efficient Broadcast Authentication…
- Nov 29 – Jan Michelfeit – SCiFI - A System for Secure Face…
- Dec 6 – Lukas Jakubik – Overcoming an Untrusted Comp…
  - Antonín Víteček – Tamper Evident Microprocessors…
- Dec 13 – Richard Barányi – Identifying Dormant Functionality..
- Sometimes – Andriy Stetsko – HyperSafe: A Lightweight…