

Seminar Mobile Security

winter term 2012/13

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B-IT

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This is a “conference-style seminar” !

You

1. apply for a topic,
2. submit a paper,
3. write and receive reviews,
4. submit a revised “camera-ready” version, and
5. present your paper.

How to apply for a topic?

- ▶ Until Wednesday, 24 October 2012¹, write an email to
zieglerk@bit.uni-bonn.de
containing
 - ▶ your full name with your student id,
 - ▶ your aim of studies and your semester,
 - ▶ your email address, and
 - ▶ a sorted list of three topics that you are interested in.

¹all deadlines are at 23:59 CET

- ▶ History and architectures of mobile networks
- ▶ Security of UMTS and 3GPP LTE (Long Term Evolution)
- ▶ Denial of Service and Man in the Middle attacks on GSM and UMTS
- ▶ IMSI Catcher
- ▶ Security of Android
- ▶ Security of iPhone OS
- ▶ Car2X security
- ▶ Trusted mobile platforms
- ▶ Security of sensor networks
- ▶ Security of wireless ad hoc networks/wireless mesh networks

- ▶ GSM security: Cryptanalysis of A5/1
- ▶ SIM cards
- ▶ Location based services
- ▶ Near field communication
- ▶ RFID security
- ▶ Bluetooth security
- ▶ Malware on mobile phones
- ▶ Mobile phone forensics (Source Identification)
- ▶ WLAN: Breaking WEP
- ▶ WLAN: WPA and WPA2 security

How to submit a paper?

- ▶ Content:
 - ▶ Thorough description of the topic and the security related problems.
 - ▶ Description of the proposed solution.
 - ▶ Analysis of the solution.
 - ▶ Conclusion/Outlook.
 - ▶ References.
- ▶ Format: 10-12 pages using the Springer Incs L^AT_EX template we provide.
- ▶ Do not plagiarize! The sources for any of your material must be clearly indicated, at the place where they are used.
- ▶ Submit your paper using the conference's submission server on EasyChair
<http://www.easychair.org/conferences/?conf=mobsec2013>
Register with easychair well ahead of time.

Writing reviews

- ▶ You receive three papers to review.
- ▶ You write a review for each (approx. 500 words).
- ▶ Idea: Help the program committee make an informed decision whether to reject/accept.
- ▶ Do not try and rewrite the paper for the author.

Receiving reviews and preparing the revised version

- ▶ Address all issues raised by the reviewers.
- ▶ Submit a revised version.

Presenting your paper

- ▶ Plan for 20' talk and 10' discussion.

Finally, what about grades?

In order to pass, you have to

- ▶ submit 1 application, 1 paper, 3 reviews, and 1 revised paper
...
- ▶ ... *on time* (no exceptions),
- ▶ receive at least 4.0 ("D") on your talk, and
- ▶ receive at least 4.0 ("D") on your revised paper.

If you pass, your final grade is

- ▶ 50% talk,
- ▶ 50% revised paper.

Roadmap

October	
24 October	Application Deadline.
November	
28 November	Deadline for submission of your paper.
December	
5 December	Due date for review I.
12 December	Due date for review II.
19 December	Due date for review III.
January 2013	
30 January	Deadline for your revised paper and your presentation.
February	
4 February	Conference.

- ▶ All deadlines are at midnight. No late hand-ins will be accepted.
- ▶ If you have general questions, ask on the mailing list.
- ▶ If you have specific topic-related questions, arrange for a meeting with Konstantin.

`12ws-sem-mobsec@lists.bit.uni-bonn.de.`

`zieglerk@bit.uni-bonn.de.`

Questions?