Summer Term 2015 and lecture-free period (IPEC)

Application for Seminars and Labs at the Institute of Computer Science 4 (Work Groups of Prof. Martini and Prof. Meier)

Registration periods:
12. January – 1. March 2015 for Seminars and regular Labs
12. January – 1. February 2015 for IPEC Labs and Malware Boot Camp

Please note: This is form is part of a preliminary registration process which is not tantamount to registering for participation in exams and does not replace the registration via BASIS!

Personal Data

Name

E-Mail

Given Name

Student ID

Course of Study Master Computer Science RWTH Aachen

Semester of Study

I would like to take part in the following Master courses:

☐ **Seminar MA-INF3209 „Selected Topics in Communication Management“ or**
Seminar MA-INF3317 “Selected Topics in IT Security” (depending on chosen topic)

The seminar will take place during the semester. The procedure is in style of a scientific conference. First, you will have to get familiar with your assigned topic and write a report. Then, you submit the report to our conference management system for review. Also, you review the report of at least one of your colleagues. Based on the received reviews, you improve your report. Finally, there will be a presentation en bloc, where you will present your topic.

Please select those of the following topic areas (multiple selection is possible) that raise your interest for the seminar. Depending on the overall situation of registrants, we will try to offer individual seminar topics that match your choices to the most possible extent.

- ☐ Malware
- ☐ Network Protocols
- ☐ Privacy

As an option, you can name additional specific topics of interest, which you can imagine to deal with in your seminar work:

There will be an introductory meeting, where the final assignment of topics is determined. It is absolutely necessary that you attend this meeting in order to pass the seminar. Be sure to check your mails regularly to get informed in due time.

☐ **Lab MA-INF3304 “Communication and Communicating Devices” or**
Lab MA-INF3229 “IT Security” (depending on chosen topic)

The lab will take place during the semester, where you will have to get familiar wih your assigned topic and conduct the actual lab. Afterwards, you will have to write a report and prepare a presentation describing your work.

Please select those of the following topic areas (multiple selection is possible) that raise your interest for the lab. Depending on the overall situation of registrants, we will try to offer individual lab topics that match your choices to the most possible extent.

- ☐ Intrusion Detection
- ☐ Network Security
- ☐ Network Steganography
- ☐ Malware

more choices on next page!

- ☐ Privacy
- ☐ Security Awareness
- ☐ Threat Intelligence

As an option, you can name additional specific topics of interest, which you can imagine to deal with in your seminar work:

Regarding your desired lab topics, what is your current practical experience?

- ☐ I already have a lab certificate and would like to attend in order to get familiar with my master thesis topic

☐ **TurboLabs MA-INF 3309 „Malware Analysis“ or**
MA-INF 3304 “Communication and Communicating Devices (IPEC block course) or
MA-INF 3229 “IT Security” (IPEC block course)
(depending on chosen topic)

All TurboLabs are taking place in February and March of the current Winter Term!

The TurboLabs take place during the break before the summer term. You are expected to work full-time during a period of four weeks. During that time, you will have to get familiar with your assigned topic and conduct the actual lab. Afterwards, you will have to write a report and prepare a presentation describing your work.

Please select those of the following topic areas (multiple selection is possible) that raise your interest for the lab. Depending on the overall situation of registrants, we will try to offer individual lab topics that match your choices to the most possible extent.

- ☐ Intrusion Detection
- ☐ Malware

As an option, you can name additional specific topics of interest, which you can imagine to deal with in your seminar work:

Regarding your desired lab topics, what is your current practical experience?

- ☐ I already have a lab certificate and would like to attend in order to get familiar with my master thesis topic

☐ **Project Group Malware Bootcamp (BA-INF051)**
(Note: this Project Group is part of the German Bachelor Programme. Bachelor Students will be given preferential consideration!)

The Malware Bootcamp is a combination of a TurboLab and a Seminar. The lab part will take place five weeks before the start of the next semester in February and March. For information on topics, prerequisites and organisation, please refer to the Malware Bootcamp website.

If the Bachelor Malware Bootcamp is not fully booked, Master students may participate in the Malware Bootcamp as combined lab MA-INF 3309 and seminar MA-INF 3215.

☐ **BIT-Lab "High Performance Networks" (for B-IT-students)**

The lab will take place during the semester. You will have to get familiar with your assigned topic and conduct the actual lab. Afterwards, you will have to write a report and prepare a presentation describing your work.

Please select those of the following topic areas (multiple selection is possible) that raise your interest for the lab. Depending on the overall situation of registrants, we will try to offer individual lab topics that match your choices to the most possible extent.

- ☐ Digital Forensics
- ☐ Malware Analysis
- ☐ Mobile Ad-hoc Networks
- ☐ Network Security
- ☐ Smart Buildings
- ☐ Threat Intelligence
- ☐ Vulnerability Windows

As an option, you can name additional specific topics of interest, which you can imagine to deal with in your seminar work:

Regarding your desired lab topics, what is your current practical experience?

Further Information about myself

☐ Yes, I am planning to do my final thesis in this working group, presumably in (please indicate term):

Please name your key activities so far. This may include activities in your studies as well as in your job, if applicable.

If there are any restrictions regarding your time schedule over the semester, please name them here. It will help us coordinate meetings and other events.

Privacy Statement

1. Intended use:
The data is used for the exclusive purpose of assigning the seminar and lab topics in the communication system working group of the Institute of Computer Science 4 at the University of Bonn.

2. Propagation:
The data will not be given to other departments or institutions.

3. Storage:
The student may choose if the registration data is saved
a. electronically, or
b. as computer printout of the filled in and signed registration form.

4. Deletion:
The data will be deleted when the term for which the data were collected has ended. If a student formally asks for deletion of his/her data, the data will be deleted immediately.

Submit registration

After filling in the form, please save it and e-mail it to cs4-seminars-labs@lists.iai.uni-bonn.de before the deadline.