IT Security

Organizatorial Remarks

Dr. Felix Jonathan Boes

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University of Bonn | Institute of Computer Science 4

Lecture IT Security │ Uni Bonn │ ST 2022
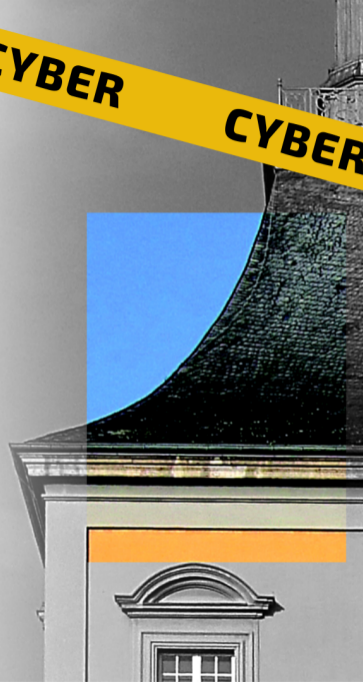
	Felix Boes
2009 – 2018	Mathematics in Bonn
2014 – 2018	Stipend of the Max Planck Society
2018	Dr. in Algebraic Topology / String Theory
since 2018	Postdoc in Cyber Security
since 2021	Lecturer
Honorary Office	Gender Equality (Gidis & Women in STEM)
Interests	Anomaly Detection, Side Channels, Crypto, ...

Who are you?

- Who of you graduated in in Bonn?
- Who of you is enrolled in the Bachelor?
- Who of you is enrolled in Computer Science?
- Who of you is enrolled in Mathematics?

Overview

Overview of the lectures

Device

Connected Devices

Connected Networks

- Wireless Security
- Fuzzing
- Side Channels

Connected Devices

- Pseudonymization
- Secure Group Communication
- Threat Intelligence
- Anomaly Detection
- Statistics

- BGP

Schedule & Exam

Schedule

Lecture

- On Site: Thu 10:15 a.m. — 11:45 a.m. in Lecture Room 3
- Livestream: `https://uni-bonn.zoom.us/j/69481172725?pwd=MGxwWkh0UGt6e i9zY1h1U2k1bkVCUT09`

  Meeting ID: 694 8117 2725; Passcode: 53115

Exercise Session

- On Site: Thu 08:30 a.m. — 10:00 a.m. in Lecture Room 3
- Livestream: `https://uni-bonn.zoom.us/j/69481172725?pwd=MGxwWkh0UGt6e i9zY1h1U2k1bkVCUT09`

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The course material and other important information (e.g., the dates for the written exams) are announced via the mailing list.

Exercises & Exam I

The get the admission to the exam, the following steps are mandatory.

- If necessary, request or renew your IT Account: `https://startup.informatik.uni-bonn.de/?lang=en`

- Do that now!

- In order to take part in the exercise session, create or join a group (with your peers) today! `https://pecas.net.cs.uni-bonn.de`

- Afterwards, you will find the weekly exercises in the **Institutes GitLab** (not the Info4Git-Lab). `https://gitlab.cs.uni-bonn.de`

- Today, to test the system, a special exercise sheets is pushed to your repository **as merge request** at the start of the hour.

- The first (proper) sheet is released tomorrow (also as merge request). After that, the sheets are released shortly after the lecture (as merge request).

Exercises & Exam II

On the exercise sheets, there are mandatory tasks (having points) and optional tasks (not having points but that will help you to prepare for the exam).

To get the admission to the exam, you have to fulfill the following requirements.

- In a group of at most three, you have to successfully solve seven exercise sheets.
- More precisely, in at least seven exercise sheets, your group has to score at least 50 % of the points.
- Moreover, you have to register to the exam in time. The Master Office will tell you the dates of the registration period.
- In case you experience technical problems with handing in your solutions to the mandatory tasks, write an email to the *Chief of Exercise Technology* Gina Muuss <it-security@updownup.de>.

Announcement from the student council