COURSE DETAIL

INTERNET AND NETWORK SECURITY
Country Germany
Host Institution Technical University Berlin
Program(s) Technical University Berlin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 100
UCEAP Course Suffix
UCEAP Official Title INTERNET AND NETWORK SECURITY
UCEAP Transcript Title INTERNET SECURITY
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

In this course we will examine how existing network layers are protected, how to verify the security of a protocol, and how to improve the dependability. We will specifically learn about the common vulnerabilities in the current Internet, such as botnets, viruses, denial-of-service attacks, etc., and design principles to overcome these issues in the future. We will also learn about the security benefits and challenges of network virtualization technologies, about air-gapping, as well as automated network testing methods and fuzzing.

Language(s) of Instruction
English

Host Institution Course Number
0432 L 812

Host Institution Course Title
INTERNET AND NETWORK SECURITY

Host Institution Course Details
https://moseskonto.tu-berlin.de/moses/modultransfersystem/bolognamodule/beschre...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Institut für Telekommunikationssysteme

Course Last Reviewed
2023-2024

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