# System Security Administration

Mohamed Sabt Univ Rennes, CNRS, IRISA 2023 / 2024

## Organization

- In total, you have 52.5 hours:
  - 16.5 hours of lectures (Yours truly),
  - 12 hours of TD sessions (Yours truly),
  - 18 hours of Labs (Yours Truly).
  - 6 hours of Evaluation (Paper Presentation + Final Exam)
- Rooms:
  - WARNING !!! Always look at your schedule.
- Site: http://people.irisa.fr/Mohamed.Sabt/teaching/system\_security

### Course Overview

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- Improve your knowledge of Operating Systems and their security.
- Perform simple tasks related to OS security.
- Familiarize yourself with cybersecurity problems.

#### Focus points:

- Unix.
- File system security and Access Control Lists
- Isolation technologies.
- Lecture and presentation of scientific papers.

# Planning

- Week 1: The Boring Introduction.
- Week 2: The Rabbit Hole into How your Computer Runs Programs.
- Week 4: You Shall Pass with the Right Password.
- Week 5: Files as the True OS Atom.
- Week 7: Waltzing Access Control in Unix 2/2.
- Week 8: Learn you a Capability for Great Good!
- Week 9: The Art of Encrypting Your Filesystems.
- Week 10: Read and Thy Professor Would Listen to Thee.
- Week 11: Windows is the New Black.
- Week 12: Name Your Favorite Namespace.

## Evaluation

- - Quiz at the end of each lab (except 2).
- Presentation:
  - 15 minutes
- Exams:
  - Final

Final note: 35%Labs + 20%Presenetation + 45%Final