

## Network Security Architectures Introduction

### Summer School on Software Security Theory to Practice

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## Objective

- Provide a series of case studies in network security that lie on the border of theoretical advances and existing practice
- Explore research strategies
  - How to do practical work with university resources
  - How to provide meaningful empirical evidence for theoretical advances
- New research topics and platforms

## Lecture Outline

Three lectures, each in two parts.

1. Fundamentals
2. Formalization and testing
3. Denial of service
4. Web services
5. Privacy
6. Smart cards