Dynamic and Static Program Analysis for Software Security
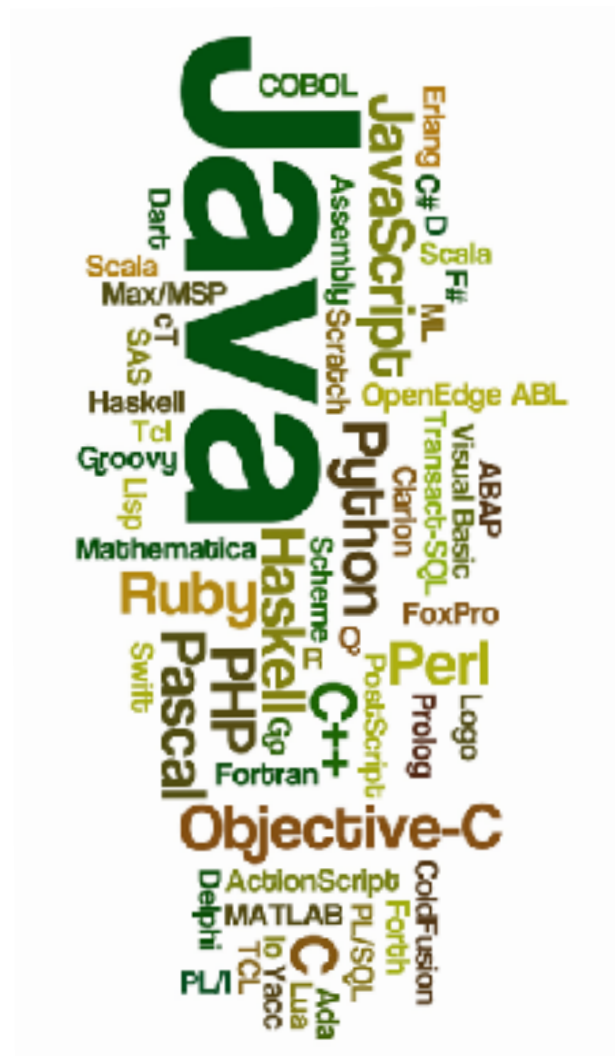
Instructor: Dr. Sebastian Erdweg
Assistant: Sven Keidel, MSc

Security Vulnerabilities
in Software Systems

Language-Based
Countermeasures

Dynamic and Static Program Analysis for Software Security

Instructor: Dr. Sebastian Erdweg

Assistant: Sven Keidel, MSc

Security Vulnerabilities
in Software Systems

Language-Based
Countermeasures

This course

Dynamic and Static Program Analysis for Software Security

Instructor: Dr. Sebastian Erdweg
Assistant: Sven Keidel, MSc

Security Vulnerabilities
in Software Systems

Language-Based
Countermeasures

How do languages work?
- Trace semantics

How do languages help?
- Dynamic analysis
- Static analysis
- Software verification

This course