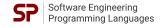
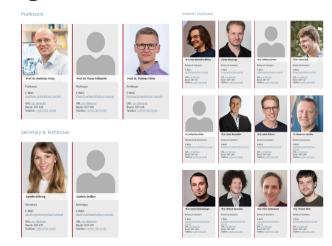


## **Introduction for Master Students (ESE)**





# Institute of Software Engineering and Programming Languages



# Institute of Software Engineering and Programming Languages

### **Software Engineering**

How to develop and operate software?

#### Research Areas

- Software Configuration
- Software Evolution
- Developer Experience
- Quality Assurance

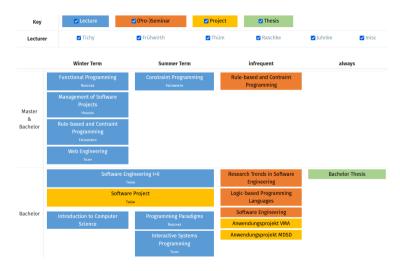
### **Programming Languages**

How to communicate with machines?

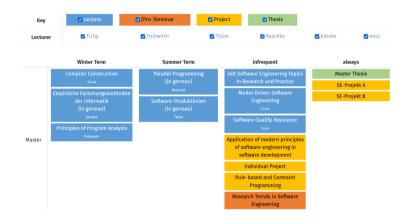
#### Research Areas

- Domain-Specific Languages
- Declarative and Functional Programming Languages

## **Bachelor Courses of Our Institute**



## **Master Courses of Our Institute**



## **Current Courses of Our Institute**

#### **Bachelor**

- Software Engineering I+II
   (Softwaretechnik I+II)
- Software Project (Softwaregrundprojekt)
- Proseminar on Logic-Based Programming Languages
   (Logikbasierte Programmiersprachen)
- Seminar on Rule-Based and Constraint
   Programming (Regelbasierte und Constraint-Programmierung )
- Numerous Projects

#### Master

- Compiler Construction (Compilerbau)
- Empirical Research Methods in Computer Science (Empirische Forschungsmethoden der Informatik)
- Functional Programming (Funktionale Programmierung)
- Management of Software Projects
   (Management von Softwareprojekten)
- Hot Software Engineering Topics in Research and Practice (Aktuelle Themen der Softwaretechnik aus Forschung und Praxis)
- Web Engineering
- Rule-Based Programming (Regelbasierte Programmierung)

## **Quadrocopter Lab**



## Warm Welcome in Ulm

