

# Concurrent Systems

## Exercise 01 – Introduction

Stefan Reif

2020-11-12



- Please be polite
  - Mute yourself when you are not talking
  - If possible, use a headset
  - ...
- Please respect the privacy of all participants
- Please do **not** record the exercises
- Feel free to ask questions





Stefan Reif



Phillip Raffeck

## ■ Contact

- ~~Room 0.036-113~~
- reif@cs.fau.de, raffeck@cs.fau.de

## ■ Time and Date

- Thursday, 12:15 – 13:45, ~~01.153-113~~ virtual

## ■ Homepage

- [www4.cs.fau.de/Lehre/WS20/V\\_CS](http://www4.cs.fau.de/Lehre/WS20/V_CS)



## Contents

- Efficient parallelization
- Blocking synchronisation, locks, mutexes
- Deadlocks
- Non-blocking synchronisation
- ...

## Your Background?

- Systemprogrammierung 1 & 2
- Parallele und Funktionale Programmierung
- Betriebssysteme, Betriebssystemtechnik



- Blackboard exercises
  - Introduce new assignments
  - Additional content for the lecture
- Computer exercises
  - Optional
  - If you have questions
- Discussion exercises
  - Discuss the results of previous assignments
  - Discuss course-related topics



## ■ Subscription

- Please subscribe to the exercises in Waffel
- The subscription will close **today**
- You cannot submit assignments without subscription

## ■ Waffel URL

→ [waffel.informatik.uni-erlangen.de/signup/?univisid=41459301](http://waffel.informatik.uni-erlangen.de/signup/?univisid=41459301)



# Assignments

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## ■ Assignments

- 2 – 3 weeks per assignment
- 5 assignments in total
- Search, Implement, Debug, Experiment, Understand, Discuss

## ■ Submission

- `/proj/i4cs/<login>/`
- Will be created tomorrow
- Submit (preferably) in pairs
  - Only one partner needs to submit
  - Please add partnership information
- Give me read access

## ■ Additional Material

- `/proj/i4cs/pub/`



# Assignment 1

