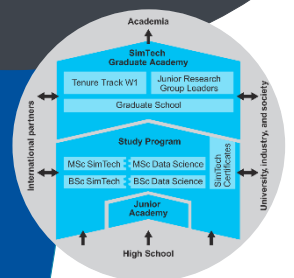**Universität Stuttgart**
Cluster of Excellence EXC 2075 „Data-Integrated Simulation Science"

Graduate Academy SimTech

Training Program
Winter term 2023/24

The Graduate Academy of SC SimTech promotes excellence in postdoctoral and doctoral education across all disciplines in the field of simulation science. It offers an interdisciplinary structured and international training program in order to prepare the candidates with optimal conditions for their successful doctorate and beyond.

www.simtech.uni-stuttgart.de

SimTech

Graduate School SimTech

Overview

GS TRAINING PROGRAM

The training program at GS SimTech consists of the following elements as specified in the doctoral supervision agreement (according to Section 4 (6) of the Doctoral Degree Regulations at least 9 credit points must be achieved):

Subject-specific courses (at least 6 CP)
(May be selected from the regular courses offered by the University of Stuttgart or from suitable courses outside the University of Stuttgart.)

Key qualifications (at least 1 course)
(May be selected from the program offered by GRADUS.)

Units offered by GS SimTech (at least 3 units)
(To be selected from the "Academy Program" of GS SimTech, see next page)

- **GS Seminar (at least 1 seminar)**

- **Additional GS units**
  (This program includes, for example, career counseling, mentoring schemes as well as industry connections.)

Annual poster presentation
(For example during the annual status seminar of SC SimTech.)

Graduate School SimTech

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Units offered by GS SimTech

GS Seminars
(to promote interdisciplinary networking among the doctoral students and to expand their scientific horizon)

"**Sprint to a focused Working approach**"
JP Maria Wirzberger
Please register via C@MPUS.

"**Deep Learning for the Sciences**"
Prof. Mathias Niepert
Please register via C@MPUS.

"**Science Communication**"
Organized by the GS Coordination, more information will follow soon.
3 compulsory attendance modules,
1st module: 4h, 2nd & 3rd: each 8h (in November and December)

Additional GS units
Coursera for doctoral students
The interdisciplinary nature of our cluster requires a broad spectrum of practical knowledge in different tools and skills that may not have been part of a doctoral researcher's education. Skills such as Git, Data Management and Machine Learning can be acquired. Lectures are prepared by official and well-known universities and companies such as Princeton University and IBM respectively in a broad spectrum of application.
Please register via Coordination GS SimTech.

Early Career Counseling
Please contact the Equality and diversity manager.

Doctoral Weekend Retreat

SimTech