



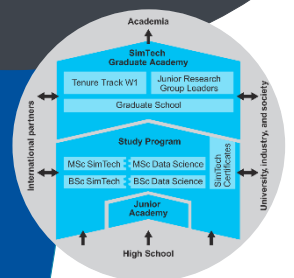
**Universität Stuttgart**

Cluster of Excellence EXC 2075 „Data-Integrated Simulation Science“

# Graduate Academy SimTech

## Training Program Summer term 2024

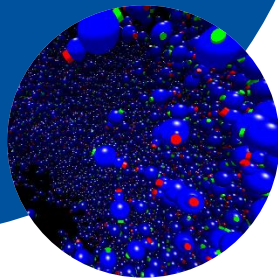
The Graduate Academy of the SC SimTech promotes excellence in postdoctoral and doctoral education across all disciplines in the field of simulation science. It offers an interdisciplinary structured and international training program in order to prepare the candidates with optimal conditions for their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





**Graduate Academy  
SimTech**

# Overview



## 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 qualification (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.)

- **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.)



## TRAINING PROGRAM

### Units offered by GS SimTech

#### GS Seminars during the summer term 2024

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

#### "Calculating Free Energy Differences from Molecular Simulation: Theory and Practical Applications"

Lecturer: Prof. Niels Hansen

Date/ Time: To be discussed with the participants

Language: English

Proof of attendance: Regular presence and active participation in exercises and presentations

Please register via email.

#### "Science communication - visualising science and more"

Lecturers: Véro Mischitz and Dr. Lorenz Adlung

Date/ Time: 9.+10.+16.07.; 9 a.m. to 5 p.m.

Language: English

Proof of attendance: Regular presence and active participation in exercises and presentations

Registration: Please register via <https://form.jotform.com/241004573904349>

More Information: <https://www.simtech.uni-stuttgart.de/sc/gs/doctoral-education/seminar-science-communication/>

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## **GS Seminars during the summer term 2024**

### **"SPRINT to a focUSED Working Approach"**

Lecturer: Sarah Hall / Alina Schmitz-Huebsch

Date/ Time:

First seminar:

In person: April 26th 2024, 13:30- 16:30; May 28th 2024, 13:30- 15:00

Online: May 1st 2024, 13:00- 14:00; May 8th 2024, 13:00- 14:00; May 15th 2024, 13:00- 14:00

Second seminar:

In person: June 7th 2024, 13:30- 16:30; July 9th 2024, 13:30- 15:00

Online: June 12th 2024, 13:00- 14:00; June 19th 2024, 13:00- 14:00; June 26th 2024, 13:00- 14:00

Language: English

Proof of attendance: Regular presence and active participation in exercises and presentations

Please register via C@mpus

Title: Sprint to a focused working approach

Number: 552210007

Contact:

Sarah Hall [sarah.hall@ife.uni-stuttgart.de](mailto:sarah.hall@ife.uni-stuttgart.de)

Alina Schmitz- Huebsch [alina.schmitz-huebsch@ife.uni-stuttgart.de](mailto:alina.schmitz-huebsch@ife.uni-stuttgart.de)

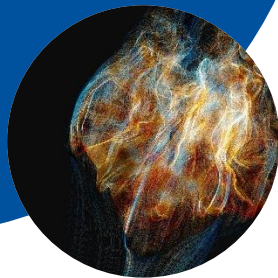


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## **GS Seminars during the summer term 2024**

### **"Motion in Human and Machine"**

Lecturer: Prof. Syn Schmitt and Prof. Dr.-Ing. Tamim Asfour (KIT)

Date/ Time:

Karlsruhe Institute of Technology, Institute for Anthropomatics, Tuesday, April 30, 10 am - 4:30 pm.

University of Stuttgart, Institute for Modeling and Simulation of Biomechanical Systems, Monday, May 6, 10 am - 4 pm.

After each laboratory visit, small projects are offered for collaborative work in small groups, which can be worked on in the following weeks after the seminar.

Language: English

Proof of attendance: Regular presence and active participation in exercises and presentations

For further details:

[https://h2t.anthropomatik.kit.edu/28\\_1592.php](https://h2t.anthropomatik.kit.edu/28_1592.php)

Registration and Agenda: ILIAS:

[https://ilias3.uni-stuttgart.de/ilias.php?baseClass=ilrepositorygui&cmd=infoScreen&ref\\_id=3673564#](https://ilias3.uni-stuttgart.de/ilias.php?baseClass=ilrepositorygui&cmd=infoScreen&ref_id=3673564#)

For inquiries, please contact:

[Tobias.Nadler@imsb.uni-stuttgart.de](mailto:Tobias.Nadler@imsb.uni-stuttgart.de)

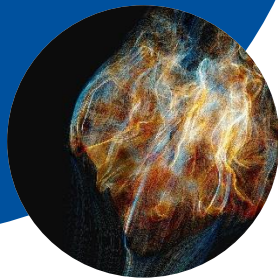


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## GS Seminars during the summer term 2024

### Methods for multi-physics couplings of fluid flow and solid mechanics

Lecturer: Prof. Ivan Yotov

Date/ Time:

Monday, June 10, 2024 (10.00 - 12.00 CET)

Monday, June 17, 2024 (10.00 - 12.00 CET)

Wednesday, June 19, 2024 (10.00 - 12.00 CET)

Monday, June 24, 2024 (10.00 - 12.00 CET)

Wednesday, June 26, 2024 (10.00 - 12.00 CET)

Monday, July 1, 2024 (10.00-12.00 CET)

Language: English

Proof of attendance: Regular presence and active participation in exercises and presentations

Registration: Please register via email to [graduierenschule@simtech.uni-stuttgart.de](mailto:graduierenschule@simtech.uni-stuttgart.de)

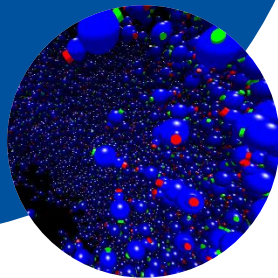


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## **TRAINING PROGRAM**

### **Units offered by GS SimTech**

#### **Additional GS units during the summer term 2024**

#### **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 PhD student'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.

Further information on “How to apply” can be found in [Confluence](#).

Please register via [Coordination GS SimTech](#).

#### **Early Career Counseling**

Please contact the [Coordination GS SimTech](#).