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Impressions from Nuremberg

Campus Keßlerplatz

Our Campus
The Nuremberg Institute of Technology is situated close to the city center. The campus buildings, libraries and cafeteria are all within walking distance. The nearby parks are ideal for walking or relaxing after or between lectures.

City of Nuremberg
The city is located in the south of Germany - a medieval, historic and at the same time very modern city in Bavaria.

A few characteristics of the city:

- ◼ Internationally renowned trade center in the middle of Europe
- ◼ Beautiful historic setting with medieval architecture
- ◼ Safe and multicultural city with a variety of cultural and
  musical events
- ◼ Outstanding transport links and easy access to other
  European countries
- ◼ Ideal location for leisure activities
- ◼ Unique Franconian cuisine

Get in touch with us!

www.th-nuernberg.de/amsma-summerschool

Contact persons

Academic Program:

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Copenhagen
Berlin
Warsaw
London
Nuremberg
Prague
Paris
Vienna
Bern
Rome
Madrid

Dezember 2021/ Fotos: TH Nürnberg, Adobe Stock

Additive Manufacturing and Simulation for Medical Applications
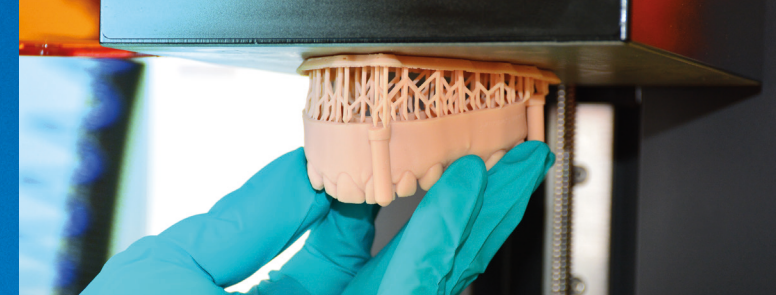## Summer School

AMSMA
Summer School 22

TECHNISCHE HOCHSCHULE NÜRNBERG
GEORG SIMON OHM

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Contents of the AMSMA Summer School

In this Summer School you will acquire knowledge and experience in the field of development, simulation and additive manufacturing for medical applications.
You will work in a group with other international students on an interdisciplinary development project on an in-ear device. In the lectures, you will learn about development methods, processes and software tools, which you will apply directly with fellow students and professors in a medical technology project. In addition, you will carry out practical work in the laboratory on 3D printing, 3D scanning, FEM, material testing and flow investigations.
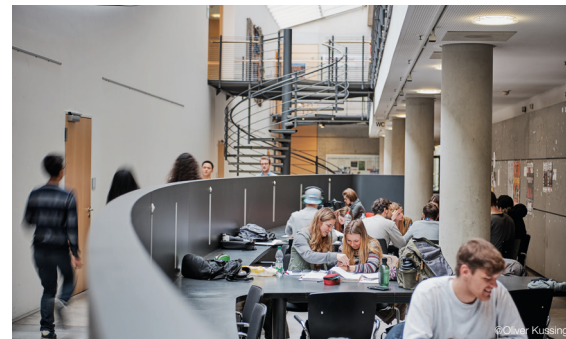**Online courses (in English) to prepare for the summer school will be available for participants.**

Week 1						
	Monday	Tuesday	Wed.	Thursday	Friday	Saturday
9.00-12.00	Welcome & Introduction	Lecture/laboratory Reverse Engineering & µCT	Lecture FEM	Lecture SciLab/Matlab	Lecture CFD	Guided ecxursion
break						
13.30-16.30	CAD & Project management	Project work	Guided excursion	Project work	Project work	Guided ecxursion

Week 2					
	Monday	Tuesday	Wed.	Thursday	Friday
9.00-12.00	Lecture Additive Manufacturing	Lecture/laboratory Testing + Acustic	Lecture/laboratory Wind tunnel	Project work	Project work
break					
13.30-16.30	Project work	Project work	Guided excursion	Project work	Presenwtation

guided leisure programme in franconia

About Technische Hochschule

@Melanie Scheller-Ratto

@Oliver Kussinger

Technische Hochschule Nürnberg

With more than 13,000 students, the Technische Hochschule Nürnberg, is the largest university in the city of Nuremberg and is known for its wide range of degree programmes and services. The three campuses are located around the Wöhrder Wiese city park close to Nuremberg's downtown area. They also contain a cafeteria and a university owned kindergarten called milliOHM.

Facts about AMSMA Summer School

Summer School "Additive Manufacturing and Simulation for Medical Applications" (AMSMA)

Language: English

Workload: 5 ECTS

Lecture Period: July 18th to July 29th 2022

Application Period: January 1st to April 30th

Location: Technische Hochschule Nürnberg, Nürnberg, Bavaria, Germany

Admission requirements: Completed Bachelor's degree, you are studying in a Master's programme with a technical orientation (e.g. mechanical engineering or mechatronics)

Costs for course participation: 400 €
Early-Bird Discount (€ 100) available until March 15th 2022

Further costs to be covered by the participants: Travel, accommodation, insurance, meals, other costs

How to apply?
Please send your application documents to:
mb-sekretariat@th-nuernberg.de

Application Period: January 1st to April 30th 2022

Combine the Summer School with your Master's thesis! We offer topics for Master's theses from various fields, which you can work on at the Technische Hochschule following the Summer School.