



THU

Technische
Hochschule Ulm
University of
Applied Sciences

INVITATION

THU SUMMER SCHOOL ULM TECHNOLOGY AND YOU - CYBER SECURITY AND ROBOTICS

How Cyber Security and Robotics
affect your everyday life

We invite you to Ulm University of Applied Sciences!
Meet us and enjoy the culture of Southern Germany.

Get in touch with German Research Professors
during University Workshops. Practice your German
during Workshops and leisure time in Germany!

Estimated costs: approx. 750,00 EUR per Person (accommodation, food, transportation Ulm and region, THU workshops Cybersecurity and Robotics, Company Visits and Cultural Program).

Sign up by April, 30th at [Registration](#)

CULTURAL PROGRAM ULM

- › Welcome evening
- › Sightseeing Tours like:
 - Blautopf Walk, Blaubeuren
 - Mercedes-Benz Museum, Porsche Museum, Stuttgart
 - Excursion to Lake Constance and Pfänder (boat trip and cable car ride)
- › Farewell evening

WORKSHOPS AT ULM UNIVERSITY OF APPLIED SCIENCES

Introduction: Prof. Dr. Klaus Baer

- › How to attack information systems and networks
- › Solve IT Security “snacks” in teams
- › Hands-On 3D-Printing and Programming with Raspberry Pi
- › Robotics at THU Laboratory



29th of July to
03th of August 2024



THU

**Technische
Hochschule Ulm**
University of
Applied Sciences

PROGRAM:

**Monday
(07/29/24)**

10 am
Prof. Dr. Klaus Baer

Welcome at THU

11 am - 12 am

**Prof. Dr. Markus
Schäffter,**

Steven Schäbel

Cyber Warfare

From Ukraine to Iran over

Europe: Where Cyber-
security shapes modern

conflicts

Lunch time

1 pm - 5 pm

Steven Schäbel

Critical Infrastructures and
Cybercrime

Prof. Dr. Markus

Schäffter

How Hackers are working

Steven Schäbel

Hacking Tools Explained

Leisure time

**Tuesday
(07/30/24)**

9 am - 12 am

Prof. Dr. Markus

Schäffter,

Steven Schäbel

IT Security Snacks

› Systems and Network

attacks

› Solve IT Security snacks

in teams

Lunch time

1 pm - 4 pm

Prof. Dr. Markus

Schäffter,

Steven Schäbel

IT Security Snacks

› Systems and Network

attacks

› Solve IT Security snacks

in teams

**Blautopf-Walk,
Blaubeuren**

**Wednesday
(07/31/24)**

9 am - 12 am

Company Visit

BMW Car IT,

Ulm

Learn more here:

www.bmw-carit.de/en

Lunch time

1 pm - 4 pm

Company Visit

Bosch Rexroth,

Ulm

Learn more here:

www.boschrexroth.com/en

**Pizza in a typical
southern German
beer garden**

**Thursday
(08/01/24)**

9 am - 12 am

Prof. Dr. Markus

Schäffter,

Steven Schäbel

Raspberry Pi:

Hands-on experiences in

3D printing and Python

programming

Lunch time

1 pm - 4 pm

Prof. Dr. Markus

Schäffter,

Steven Schäbel

Raspberry Pi

From nothing to

something: Program a

simple image detector

on a Raspberry PI and

3D-print a case for it!

Leisure time

**Friday
(08/02/24)**

9 am - 12 am

Prof. Dr. Klaus

Schlickenrieder

Introduction to Robotics

Lunch time

1 pm - 4 pm

Prof. Dr. Klaus

Schlickenrieder

Hands-On Experience

Robotics at THU Robotics

Laboratory

Farewell Evening

**Saturday
(08/03/24)**

9 am - 6 pm

Excursion to Lindau on

Lake Constance, boat trip

to Bregenz, cable car ride

up the Pfänder mountain

in the Alps

