



**HTW Chur**


Hochschule für Technik und Wirtschaft  
University of Applied Sciences



# Welcome to the University of Applied Sciences HTW Chur

28 May 2019

Prof Dr Bruno Studer, Executive Board

 SCHWEIZERISCHER AKKREDITIERUNGSRAT  
CONSEIL SUISSE D'ACCREDITATION  
CONSIGLIO SVIZZERO DI ACCREDITAMENTO  
SWISS ACCREDITATION COUNCIL

Institutionell akkreditiert nach  
HFKG 2018-2025



# Three Faculties

\_with interdisciplinary focus

## Lived Environment

- Architecture
- Civil Engineering
- Tourism
- Service Design



## Applied Future Technologies

- ICT & Photonics
- Multimedia Production/  
Media Engineering
- Information and Data Sc.
- Digital Business  
Management
- Systems Engineering



## Entrepreneurial Management

- Business Administration
- Sport Management



**Bachelor Programmes**  
**Master Programmes**



**Applied Research and  
Development**



**Further Education  
(EMBA, MAS, DAS, CAS)**

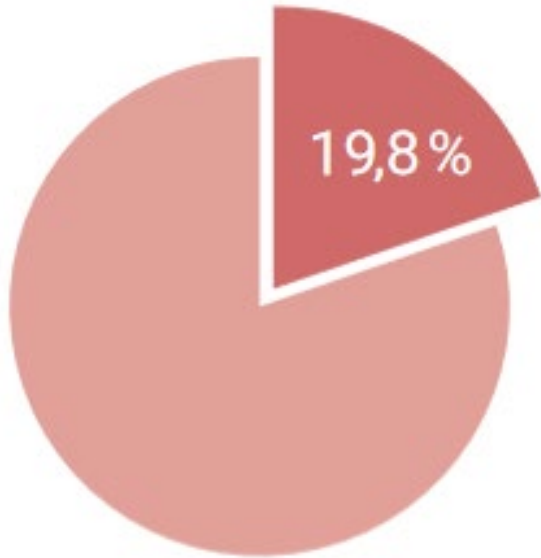
# HTW Chur Facts and Figures

\_Students and Staff



# 1680

## Students



# 660

## New students

# 271



## Students

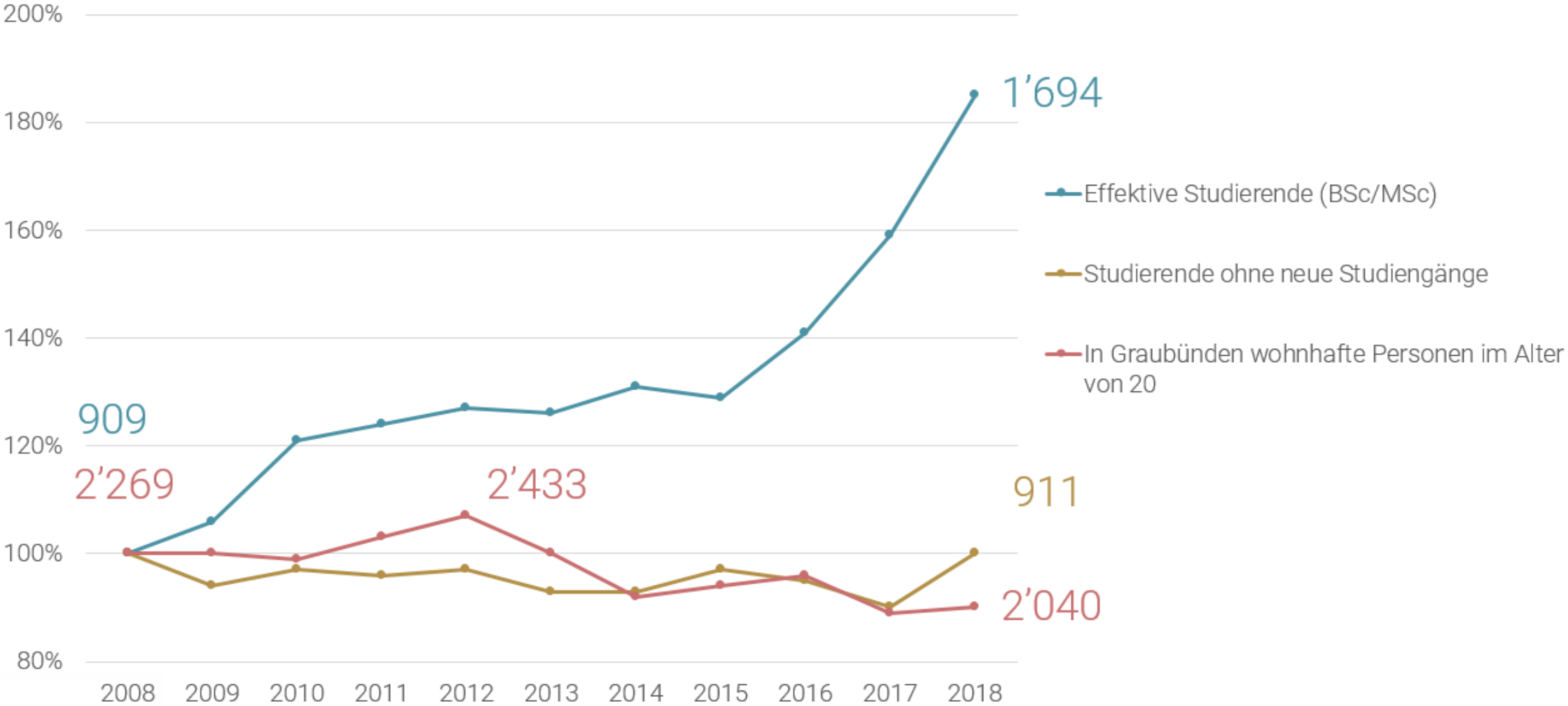
# 260



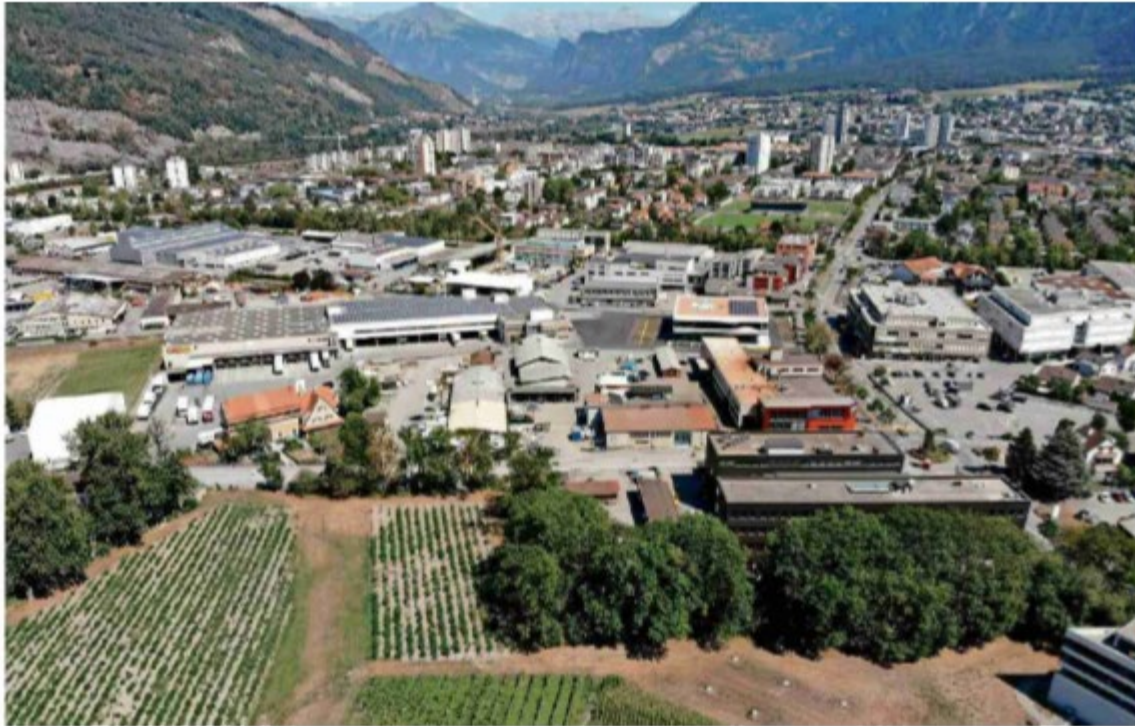
## Staff

# Thanks to niches regionally anchored and nationally recognized

\_qualitatively fit – agile



# New Campus in 2025



Campus statt viele Standorte: Das heutige HTW-Gebäude (vorne) soll ergänzt werden.  
Bild: Sverker/Sverker Graubünden

## Immer mehr Studierende brauchen immer mehr Platz

Die Hochschule für Technik und Wirtschaft (HTW) in Chur soll Platz für 1700 Studierende erhalten. Die Regierung will sich das 90 Millionen Franken kosten lassen. Sie geht von gut investiertem Geld aus.

von **Olivier Berger**

tiert werden müssen.



«Wir wollen eine Hochschule, die sich auf eigenen Füßen dem Wettbewerb stellt.»

**Martin Jäger**

Erziehungsdirektor Graubünden



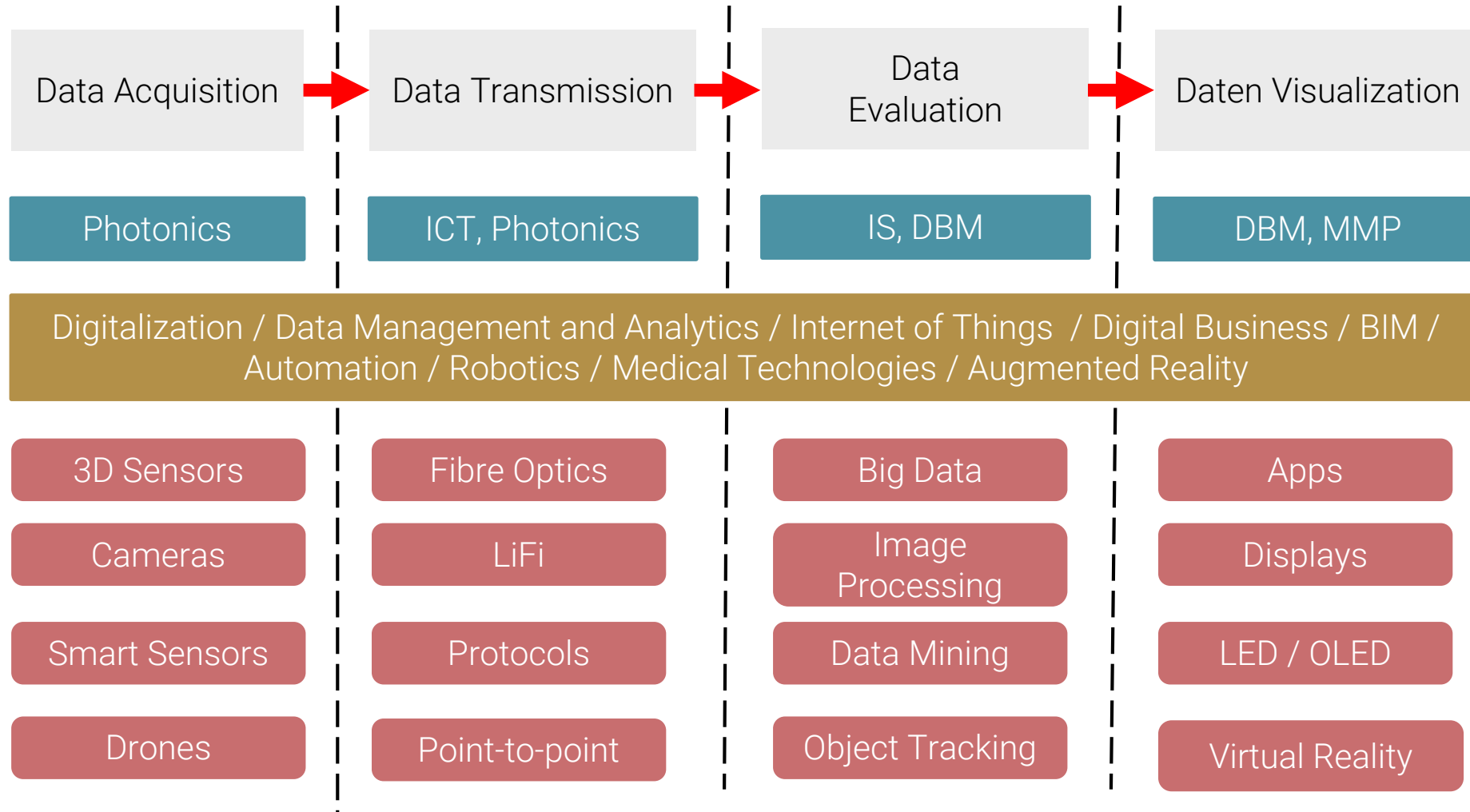
«Wir müssen uns auch fragen: 'Macht das eine flotte Falle?'»

**Mario Cavigelli**

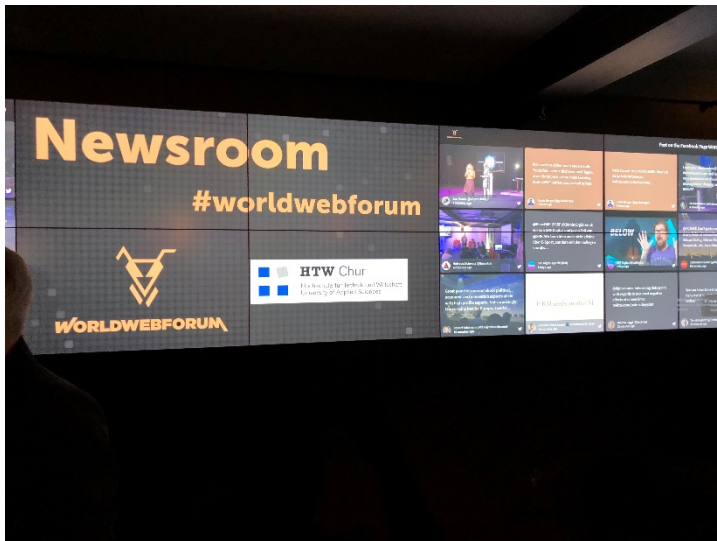
Baudirektor Graubünden



# Faculty/Department Applied Future Technologies



# Multimedia Production Bachelor: Hands-on Training



This is to certify that the engineering degree programme

## Photonics

provided by

Hochschule für Technik und Wirtschaft Chur

accredited by

ASIIN e.V.

on 29 March 2019

until 18 April 2020

satisfies the criteria for Bachelor degree programmes specified in the EUR-ACE® Framework Standards for the Accreditation of Engineering Programmes, and therefore for the above period of accreditation is designated as a

**EUROPEAN-ACCREDITED ENGINEERING  
BACHELOR DEGREE PROGRAMME.**

c e r t i f i c a t e



For the European  
Network for Accreditation  
of Engineering Education  
(ENAAE)

The President  
Mr. Damien OWENS

Brussels, 15 April 2019



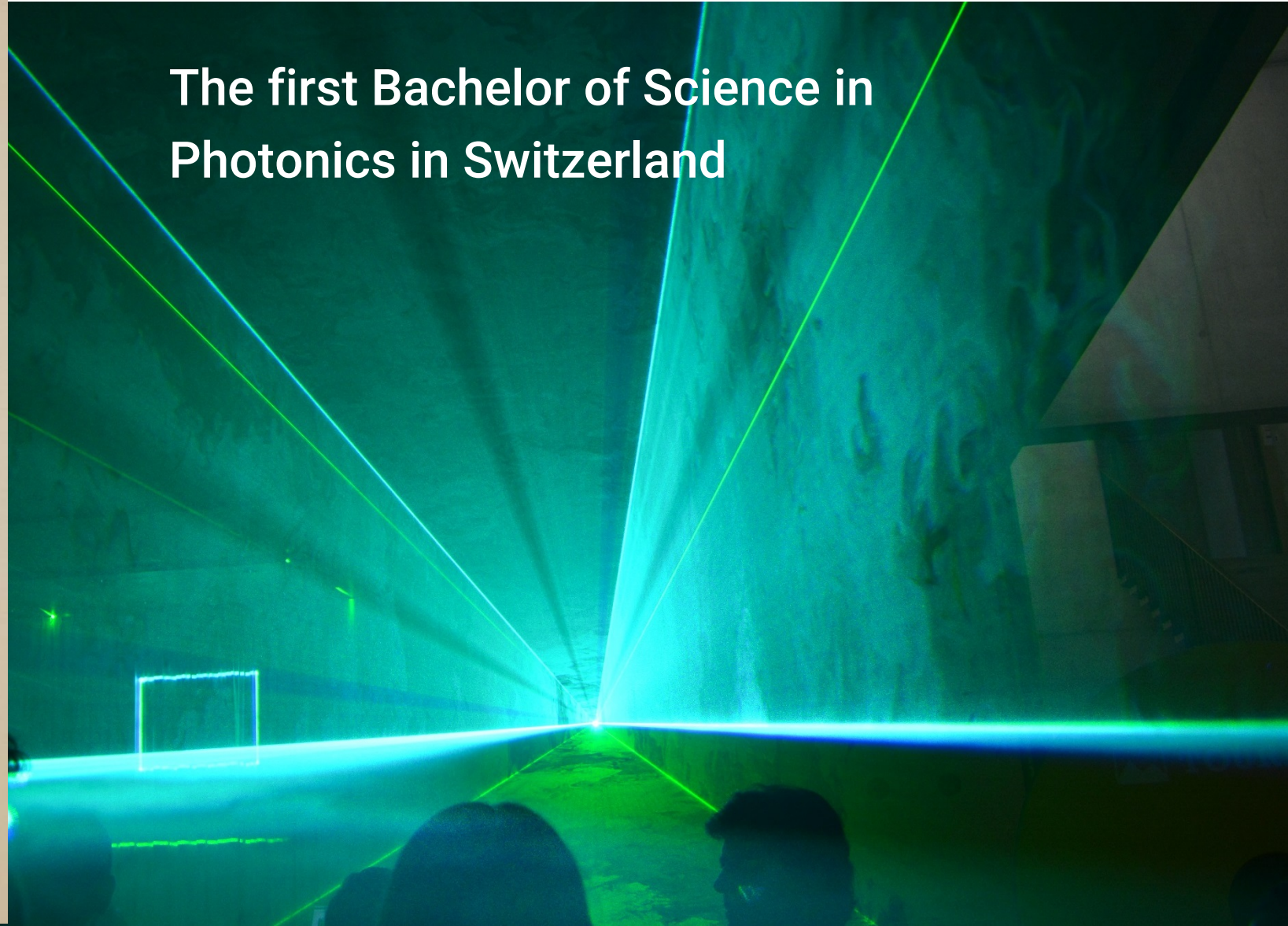
For ASIIN

The Chairman of the  
Accreditation Commission  
Prof. Dr. René Matzdorf

Düsseldorf, 15 April 2019

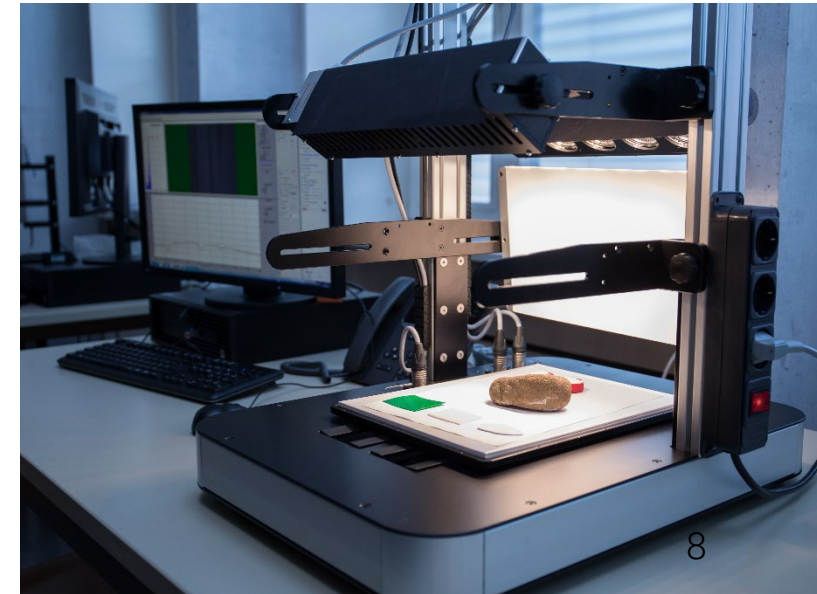
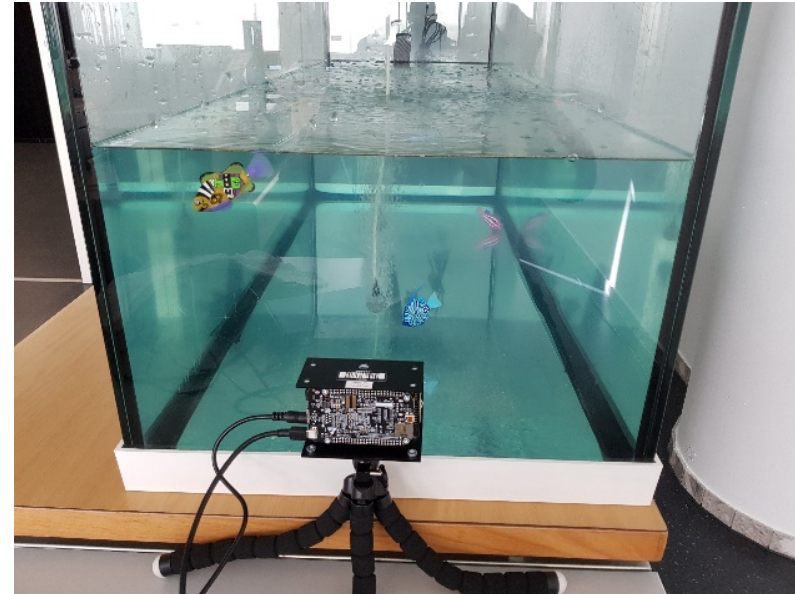
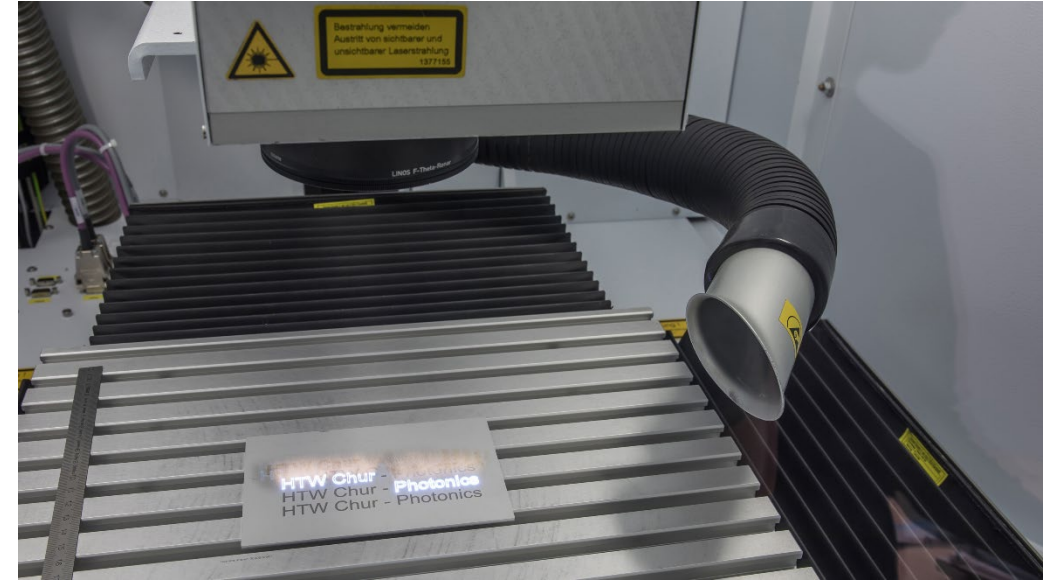
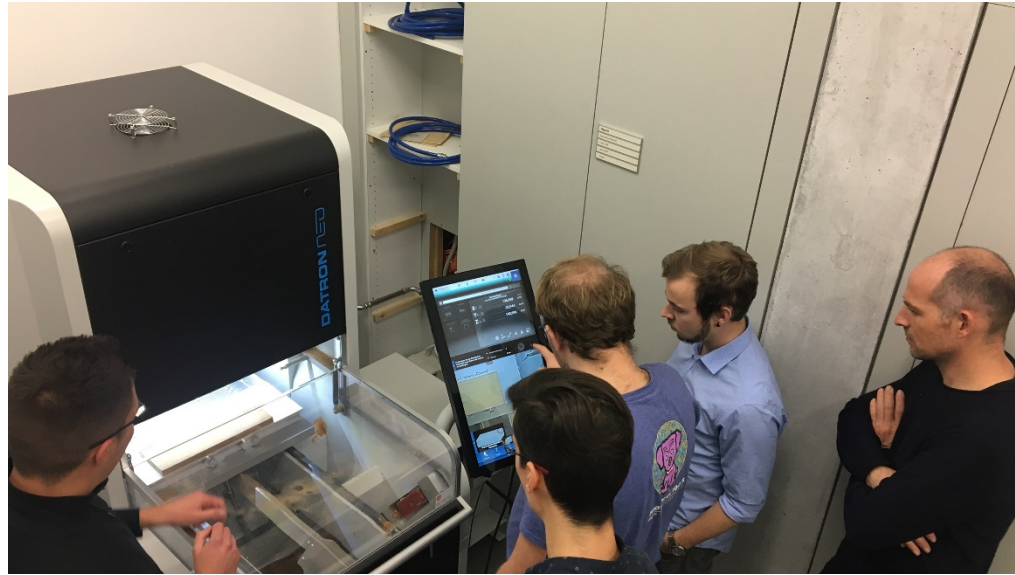
# Bachelor of Science in Photonics – International Accreditation EURACE

## The first Bachelor of Science in Photonics in Switzerland





# Photonics Labs for Education and R&D



# Further Education in Photonics (1)

## CAS Optoelectronics

- optoelectronic parts, circuits and systems
- choice and operation of optical and optoelectronic components



## CAS Image Processing

- components of industrial machine vision systems
- combination of hard- and software solutions (Python, C++)



<https://www.htwchur.ch/weiterbildung/photonics>

## Modular Courses in Photonics

Focus topic Machine Vision and Image Processing	Focus topic Optoelectronics
<i>5 Modules<sup>1)</sup>, each with 3 attendance days<sup>2)</sup> + + module "Project" (2 ECTS per module)</i>	<i>5 Modules<sup>1)</sup>, each with 3 attendance days<sup>2)</sup> + + module "Project" (2 ECTS per module)</i>
Lighting	Transmitter
Optics & Detection	Receiver
Image Transformations	Components
Testing Tools	Circuits
2D- and 3D-Applications	Operation & Systems
Project <sup>3)</sup>	Project <sup>3)</sup>
<b>12 ECTS</b>	<b>12 ECTS</b>

1) Modules can be booked individually as advanced training courses

2) Attendance days: 2 blocks of 1.5 days each, Friday/Saturday

3) Attendance days are individually scheduled with supervisor

# The Photonics network of the HTW Chur...still growing



Thank you very much for your attention