

POST GRADUATE

THE ONLINE MAGAZINE FOR GRADUATES OF
THE DEGGENDORF INSTITUTE OF TECHNOLOGY



CONTENTS

- 1 Preface, contents and events
- 2 Dates and facts about the Winter semester 2021/2022
- 5 Alumni Profile
- 6 Seminars
- 7 New professors
- 10 Groundbreaking ceremon for Bavarian Centre for Digital Security (TC Vilshofen)
- 12 Graduation ceremony

EVENTS

DIT ALUMNI

from Mon, 6 December 2021

Entry in the graduate book 2022 starts

January 2022

Online SYP: Network Thinking & Mapping

UNIVERSITY

Tue, 30 November 2021 | 1.15 - 2.00 pm

Info and advice - Finance your start-up - Startup Campus

Wed, 15 December 2021

Youth University: "Biopsychomedicine - What is it?"

Fri, 26 January 2022

Youth University: "Bionics - amazing achievements that you are guaranteed not to know yet".

All events can be found at:

www.th-deg.de/en/dit/events

ALUMNINET E.V.

Thurs, 16 December 2021

Virtual Christmas party via Zoom

Our traditional mulled wine sale on campus and the visits to the Christmas markets are cancelled due to the current situation.

Detailed information on the dates can be found on the AlumniNet homepage. Feel free to visit us on Instagram: @alumninet_deg

Dear Absolvia,

sustainability is fortunately a term that is now on everyone's lips, but when we talk about sustainability today, it is usually about environmental protection. In alumni work, however, we have been using this word for a very long time, because alumni work is only successful if it is sustainable. Receiving a message from the alma mater once every jubilee season, preferably with a mere request to donate money, will not lead to a close bond between alumni and the university. As DIT alumni you know, we have never asked for money, fundraising is not the goal of DIT alumni work. Instead, we want to stay in contact with our alumni, we want you to maintain contact with each other as well, and we want to give our students the best possible start to their careers through this close-knit network.

To achieve this, recurring measures are necessary, sustainable measures, and shaping the post graduate is one of them. Would you have thought that this magazine is already celebrating its 13th birthday in December? Speaking of which, we are still in the anniversary year of the AlumniNet network association, which welcomed its 1,000th member just in time for its 20th anniversary. This year was full of special events, unfortunately mostly virtual, but always well attended, the digital offerings have already expanded our radius a lot. What remains of the jubilee year is, among other things, a new image film, which was shot on campus this week, by the Keksfabrik, an alumni start-up. THE DIT 2021 presentation event (well, the competition was not great) was the three-day graduate party in July. We are pleased to be able to show you pictures again today, because despite all the constraints, this was a successful event that resonated.

By the way, by reading the PG you also contribute to the sustainability of the alumni work, so keep it up and thank you for your loyalty! From 2022, we will also be offering a newsletter, because there is simply so much interesting and worth knowing here on our campus that a quarterly magazine is no longer enough. By the way, constantly reinventing oneself is also part of sustainability. Nothing can stay the way it is, not in terms of environmental protection and not in terms of alumni work. After all, we want to keep things exciting. So let us surprise you with what we have to offer in the run-up to Christmas.

Best wishes and have a wonderful festive season.

Yours

Ulrike Sauckel



Our 2021/2022 graduate survey will start again in December.

We will contact the relevant cohort by letter and/or e-mail.



Participation will be possible until around the end of February 2022 via an online questionnaire.

This university-wide survey will provide us with the necessary information to make the framework conditions of the degree programme attractive for future generations of students and to maintain the students' claim to a high-quality degree programme that is suitable for practice.



We very much appreciate your support and feedback should you be part of this year's cohort of respondents. Thank you very much!

Dates & Facts about the Winter Semester 2021/2022

DIT is growing.



According to plan and sometimes a little faster.

We currently have 8,237 students (28 September 2021) and 878 staff members (1 October 2021) at the Deggendorf Institute of Technology. Around 2,400 students started their studies at DIT in the winter semester 2021/2022. The winter semester started in person and can hopefully be continued this way for the entire semester. Nevertheless, virtual study is also offered for international students who are unable to come to Germany. (e.g. at the European Campus Rottal-Inn). The proportion of our foreign students is a remarkable 34 percent, who come from over 114 countries to study at the campuses in Deggendorf, Pfarrkirchen and Cham.

The university now has eight faculties:

- › Applied Health Sciences
- › Applied Computer Science
- › Applied Natural Sciences and Industrial Engineering
- › Applied Economics (School of Management)
- › Civil and Environmental Engineering
- › Electrical and Media Engineering
- › European Campus Rottal-Inn
- › Mechanical Engineering and Mechatronics

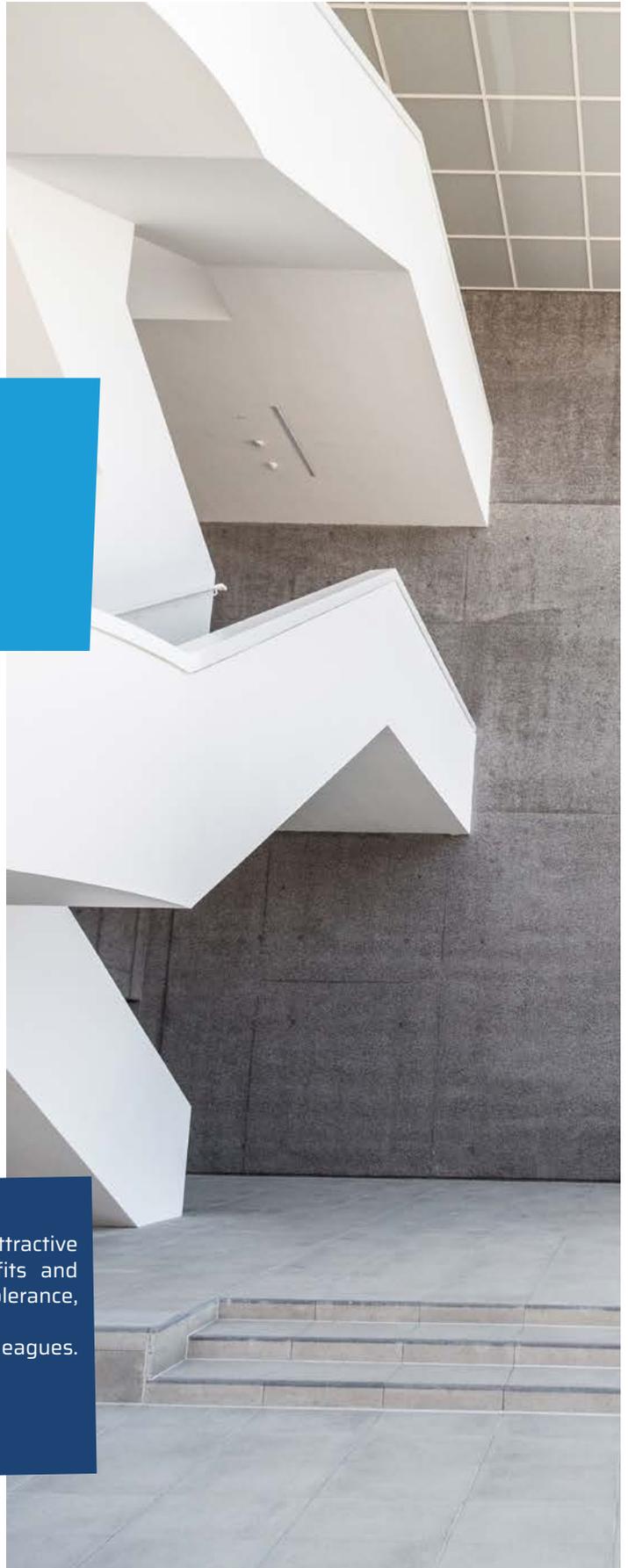
The pandemic will possibly bring us a phase of consolidation. Which is not wrong, because we have to make our structures fit for the future. But without a doubt, we are still on our way and that is 10,000+ by 2030.

In the meantime, DIT also has a total of 13 technology campuses, which have been successively established since 2009. The research facilities are located in the neighbouring districts. Experts develop applications there in close cooperation with high-tech companies: a unique concept of Deggendorf's higher education system.

WORKING AT DIT

As an employer, DIT convinces with the attractive conditions of the public service benefits and represents important values such as tolerance, integrity and collegiality. We welcome alumni as junior staff and colleagues.

Take a look at:
<https://bmgmt.th-deg.de/apply.php>



Dates & Facts about the Winter Semester 2021/2022 | New Degrees

New degree programmes started again at the Deggendorf Institute of Technology in the winter semester. Among them are three Bachelor's degree programmes and one new Master's degree programme. We would like to briefly introduce these to you:



**INTERDISCIPLINARY ENGINEERING SCIENCES |
BACHELOR OF ENGINEERING**

The multi-talent among engineers - fundamentally oriented, flexible, interdisciplinary.

The demands on the working world of engineers are very different and are changing rapidly these days. Engineers who are specialised but also have a broad range of knowledge are in demand.

The degree programme „Interdisciplinary Engineering Sciences“ is the opportunity for a broad-based, challenging education as an engineer at the Deggendorf Institute of Technology. If natural sciences and the desire to understand technology are in your interest and there is openness for different disciplines, this degree programme is the right choice.

Large parts of the degree programme are deliberately kept very fundamentally oriented in order to give graduates the opportunity to understand technical systems in their entirety, not just in technical aspects. The orientation towards the fundamentals provides the basis for later flexibility and should give you the skills to master the requirements of the future or to shape your professional interests. Through the university's technology campuses associated with the Faculty of Applied Sciences and Industrial Engineering, unique competencies await to be incorporated into this degree programme.

Focus areas:

- Modern materials
- Sensor technology
- Simulation of technical systems



**PHYSICIAN ASSISTANT |
BACHELOR OF SCIENCE**

Trendy profession for practices and clinics

Physician assistants are still a very young profession in the German health care system. This is a medical assistant profession to support doctors in the treatment of patients.

The prerequisite is academic training based on a degree. This means that the medical expertise and formal requirements are acquired to independently carry out activities that can be delegated by doctors to patients, taking ethical and business management aspects into account.

The course of study „Physician Assistant/Medical Care“ is offered by the Deggendorf Institute of Technology as a completely new programme as of this semester. The course comprises a standard of eight semesters and includes an integrated practical semester at cooperation partners (e.g. clinics, medical practices, medical centres) of the Deggendorf Institute of Technology.

Dates & Facts about the Winter Semester 2021/2022 | New Degrees



NURSING | BACHELOR OF SCIENCE

The new path to nursing

Being able to learn the profession of nursing purely through a Bachelor's degree is still very new in Germany. The new Nursing Professions Act, which provides for the possibility of studying nursing, only came into force at the beginning of 2020. The Deggendorf Institute of Technology is one of the few universities of applied sciences in Bavaria where this Bachelor's degree programme can be completed.

It started for the first time in the winter semester. In the nursing degree programme, students learn to care for and look after people in need of care and their environment. Compared to the classical vocational training, the study programme is additionally equipped with a lot of scientific content, which is intended to support students in leading positions and help them to manage the nursing process independently in their daily work. The degree also qualifies for state licensing as a nursing specialist. After completing the nursing degree, one can not only work in hospitals, nursing and old people's homes or other health and social care institutions, but also, for example, take on advisory or expert functions in this field. But it is also possible to start a career at the level of care coordination or instruction/training. As a graduate of a nursing degree programme, it is even possible to work on studies in nursing science. The standard period of study is eight semesters.

The study programme is characterised by numerous practical phases, which make up almost half of the teaching. This provides the necessary practical experience for later employment. In addition, the students already develop the personal competence to be able to assess nursing situations from their own point of view in the future. They can complete these practical phases at one of the DIT's cooperation partners.



APPLIED SPORTS SCIENCE WITH FOCUS ON INTER-PROFESSIONAL CARE IN SPORTS | MASTER OF SCIENCE

Success through passion & team spirit

Sport and exercise science aspects are taking up an increasingly broad space in the research areas of prevention, rehabilitation and lifestyle interventions.

The Master's programme in Applied Sports Science trains students to become scientifically reflective personalities who can competently, creatively and critically take on leadership tasks in sport-related fields of activity. The aim is to further deepen knowledge and skills in sports science. Nowadays, those who coach athletes work together in a team with colleagues from a wide range of professional fields. One focus of the training is therefore team-oriented supervision and equal appreciation of the cooperation of all.

The standard period of study for this Master's degree is 3 semesters.

Focus areas:

- Training and stress management
- Nutrition
- IT and digitalisation in sport
- Sports medicine / sports rehabilitation
- Sports psychology (ASP curriculum)

Dates & Facts about the Winter Semester 2021/2022 | New Degrees

In addition, the Bachelor's programme on Artificial Intelligence started in English for the first time: With this, the university is further expanding its AI courses and, with students from over 20 countries, is resolutely countering the shortage of skilled workers.



ARTIFICIAL INTELLIGENCE | BACHELOR OF SCIENCE

DIT has been offering a total of three AI degree programmes for several years. Both the German-language Bachelor's and the English-language Master's programmes. "However, we have now almost exhausted the number of new students," reports programme coordinator Prof. Dr. Patrick Glauner. "However, the need for AI experts continues to grow steadily in industry." The new English-language AI Bachelor's programme „Artificial Intelligence“, which started this winter semester, was able to

attract more excellent students. According to Glauner, there were over 1,000 applications for the 50 study places.

A large part of the AI students admitted after a selection process came from India, Egypt and Tunisia. Among them, for example, is Brahim Ghaouthi. He chose DIT because of its practice-oriented curriculum. He is currently studying in digital form from Tunisia, but wants to move to Deggendorf soon. "Regardless of how the Corona pandemic progresses, we will permanently offer the entire first year of study both in presence and digitally," explains AI professor Glauner. This should mean that waiting for a visa should no longer lead to a delayed start to studies.

As DIT President Prof. Dr. Peter Sperber confirms, "with the new international AI degree programme, DIT can actively counteract the shortage of skilled workers." He is also convinced of the degree programme from a strategic point of view: "This gives us the opportunity to further expand our competences in the field of distance learning." In order for the students to be best prepared for the job market after their studies, they must of course also acquire the basics of the German language in the course of their studies.

Alumni Profile | Lucas Fobian

Germany's first AI graduate is a DIT alumnus

In autumn 2019, the Deggendorf Institute of Technology (DIT) launched Germany's first Bachelor's degree programme in Artificial Intelligence (AI). After just under two years, Lucas Fobian is now Germany's first AI bachelor's graduate.

"AI experts are currently in high demand on the market," reports Prof. Dr. Patrick Glauner. He adds: "However, companies cannot wait three to four years for the first graduates." In addition to the regular start of the new degree programme, DIT therefore offered a one-time "lateral entry" programme. This made it possible for professionals with a technical degree or who had changed their field of study to acquire AI skills in just two years.

A concept that originated with the then and now retired programme coordinator Prof. Dr. Dr. Heribert Popp. Lucas Fobian, now the first graduate, was immediately convinced.

convinced: "During my studies in General Informatics, I realised I realised that I was particularly interested in the field of AI. Fortunately, the DIT offered lateral entry at exactly this time. This meant that large parts of my basic studies could be credited to me."

He conducted his bachelor's thesis in cooperation with the Bavarian State Criminal Police Office (BLKA). He developed an AI from the field of predictive policing to forecast residential burglaries. Prof. Glauner supervised this Bachelor's thesis and proudly reports: "The BLKA is very satisfied with the results. It has been confirmed that our AI graduates are excellently qualified for the implementation of AI applications." Currently, almost 15 more „lateral entrants“ are working on their Bachelor's theses. They will complete their studies in the coming weeks and will then also be available to the labour market.



Image: Lucas Fobian

More information on the DIT's AI degree programmes can be found at www.th-deg.de/ai-en.

If you have any questions about the AI degree programmes, you can also contact Prof. Glauner directly at patrick.glauner@th-deg.de or via +49 991 3615 453.

EVENTS

SEMINAR FOR (YOUNG) PROFESSIONALS

SYP: Network Thinking & Mapping | expected in January 2022

The workshop „Network Thinking & Mapping“ is scheduled to take place virtually in early 2022. The seminar is free of charge for AlumniNet members. For non-members the cost will be € 50.

In the 1.5h seminar, organisational development and networking expert Dr Julia Schönbrunn will give impulses on the topic of networking and the different network types. Find out which type you belong to. Network mapping will also be part of the seminar, which can be used to achieve personal goals and in the team. In addition, Dr Schönbrunn will give tips on planning and implementing systematic network expansion - also of hybrid networks.

Registration is possible at alumni@th-deg.de. The exact date will be announced later.

*By registering you agree to our seminar guidelines (see homepage).

New Professors



PROF. DR. TOBIAS BADER |
EUROPEAN CAMPUS ROTTAL-INN

Alumna/Alumnus of:

Industrial Engineering, 2006, TH Ingolstadt

PhD in:

Mechanical Engineering (Solar Air-Conditioning), De Montfort University, Leicester, UK

Professional background:

Lecturer, Head of Renewable Energy Research Group (Botswana International University of Science and Technology)
Quality Management (Continental AG)
Research Fellow Renewable Energy (Institute for new Energy Systems, TH Centre for Applied Research)
Innovation and Technology Management (Dräxlmaier Group)

At DIT for (faculty / subject area):

European Campus Rottal-Inn, subject area: Technology Management, Corporate Management, Sustainable Energy Technologies

What do you particularly appreciate about DIT?

Fast processes, good cooperation

Special projects:

Renewable Energy Projects and Network in Sub-Saharan Africa, founder of Share for Smiles e.V. (S4S)

Favourite holiday destination:

Kubu Island in Botswana, cycling, gardening



PROF. KARSTEN GENSHIMER |
APPLIED HEALTH SCIENCES

Alumna/Alumnus of:

2009 - 2012 Study of Nursing and Health Promotion (B.A.) Protestant University of Applied Sciences Darmstadt
2012 - 2014 Study Nursing Sciences (M.A.) Protestant University of Applied Sciences Darmstadt

Doctorate in:

2018 - 2021 Doctorate (Dr. rer.cur.) Philosophical Theological University Vallendar, Subject: Behavioural Activation in the outreach psychiatric setting

Professional background:

2004 Training as a health care worker and nurse
2004 - 2016 Pfalzlinikum for Psychiatry and Psychotherapy (nursing staff in various settings)
2006 - 2007 Further training as head of a nursing or functional unit in the health care system
2008 - 2010 Further training as a specialist and nurse for psychiatric care
2015 - 2015 Systemic therapy and counselling
2016 - 2018 Teaching assistant for special tasks (Catholic University of Applied Sciences Mainz)

At DIT for (faculty/subject area):

Faculty of Applied Health Sciences.
Mental health promotion, scientifically based psychiatric nursing practice, nursing competence in long-term psychiatric care, cross-sectoral mental health care.

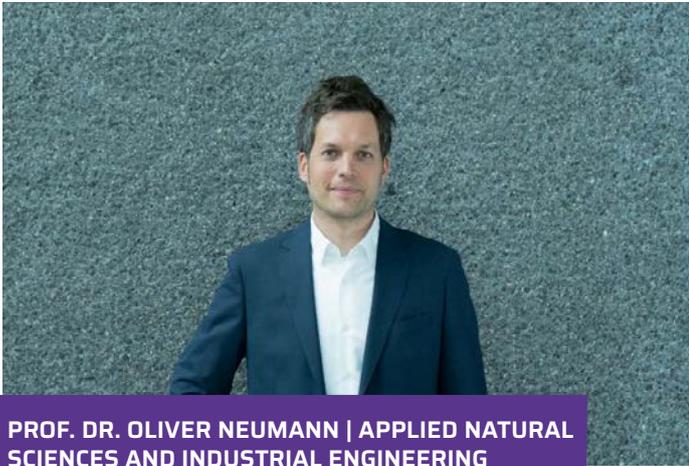
What do you particularly appreciate about DIT:

I could get the impression that DIT and the AGW department are very innovative and future-oriented. The aspects of innovation and creativity of the university fit well with my willingness to work. Experience has shown that I am very good at getting other people excited about innovative topics. I also appreciate working where others go on holiday.

Special projects: Creating new supply structures.

Favourite holiday destination: Where you can run up mountains... and ski down in winter ;)

New Professors



PROF. DR. OLIVER NEUMANN | APPLIED NATURAL SCIENCES AND INDUSTRIAL ENGINEERING

Alumna/Alumnus of:

University of Stuttgart, Technically Oriented Business Administration, graduated in 2008.

Doctorate in:

Economics, more specifically in Organisation and Strategic Management on the topic of "Competitor Relationship Management".

Professional background:

5 years at the Chair of Organisation at the University of Stuttgart as an academic assistant, then almost 5 years at BMW as a project manager for quality management, among other things, and finally 5 years at Bosch in the Building Technologies division as head of the Project Management Office and project manager for product development.

At DIT for (faculty/subject area):

Innovation and Technology Management as well as Project Management at the Faculty of Applied Natural Sciences and Industrial Engineering.

What do you particularly appreciate about DIT:

Familiar, sometimes family atmosphere in teaching as well as extremely high range and quality of research projects.

Special projects:

Currently, the focus is on the thorough preparation of my lectures

Favourite holiday destination:

Anywhere my family is



PROF. DR. FLORIAN WAHL | APPLIED COMPUTER SCIENCE

Alumna/Alumnus of:

2009 B.Eng. Computer Engineering, Esslingen University of Applied Sciences

2012 M.Sc. Embedded Systems, Eindhoven University of Technology

2019 Dr. rer. nat. computer science, University of Passau

PhD in:

Until 12/2013 in Eindhoven, from 1/2014 in Passau (relocation with PhD supervisor), 2019 in Passau.

Professional background:

2008/2009 Mercedes Benz Research Lab in Palo Alto, CA.

From 2012 research assistant at the TU Eindhoven

From 2014 research assistant at the University of Passau

Since 2018 research assistant at the Technology Campus Grafenau / DIT

Since 2018 Freelance coach & consultant for data analysis and machine learning

At DIT for (faculty/topic area):

Faculty of Applied Computer Science, Subject area: "Sensor-based AI systems in care"

What do you particularly appreciate about DIT:

The decentralised structure of the Technology Campus. This means that current topics from industry come to the lecture and the latest research results come to industry.

Special projects:

Development of sensor data glasses for activity recognition of the wearer.

Favourite holiday destination:

A winery in Tuscany with fast WiFi and a fridge full of local specialities.

New Professors



**PROF. DR. SIMON ZABLER |
APPLIED COMPUTER SCIENCE**

Alumna/Alumnus of:

JG 2002@INP Grenoble (Master Physics Engineer)
JG 2003@U-Karlsruhe (Diploma Physics)

PhD in:

Berlin (TU, 2007)

Professional background:

ESRF Grenoble, Helmholtz-Zentrum Berlin (former HMI), Max-Planck-Inst.

For Colloids and Interfaces Potsdam-Golm, Polytec GmbH, TU Berlin,

University of Würzburg, (most recently) Fraunhofer Institute for Integrated Circuits - Würzburg site

At DIT for (faculty/topic area):

AI/imaging methods with a focus on computed tomography.

What do you particularly appreciate about DIT?

The location, the nice, open colleagues, A lot of research and industry at the same location, motivated students.

Special projects:

I am taking over RoboCT at TC Plattling, I am bringing a large ongoing project with the European Synchrotron in Grenoble.

Favourite holiday destination:

Italy, more precisely Liguria, some place between StRemo and StBartolomeo.



Furthermore, we would like to welcome Prof. Dr. Thiha Aung at the Faculty of Applied Health Sciences and Prof. Dr. Anke Hoffmann at the Faculty of Applied Economics.

Groundbreaking Ceremony for the Bavarian Centre for Digital Security (TC Vilshofen)

DIT is building a new technology transformation centre in Vilshofen: the groundbreaking ceremony for the “Bavarian Centre for Digital Security” (BayZDS) took place at the end of July with Science Minister Bernd Sibler. The BayZDS sees itself as a point of contact for companies from all over Bavaria on issues of digital security in the fields of automotive technology, manufacturing technology and mechanical engineering, energy production and distribution, the process engineering industry, intelligent transport systems and medical technology. The focus of the work is on applied research, technology transfer and basic research. Science Minister Bernd Sibler emphasised: “With its focus on digital security, the BayZDS will deal with a highly topical and at the same time timeless subject. Because if we want to use digital technologies reliably, they absolutely have to be secure. With the new technology campus, the Deggendorf Institute of Technology is proving that it can not only develop state-of-the-art technology, but is also very aware of the responsibility that comes with its use.” The Free State is realising this forward-

looking project together with the town of Vilshofen: the Free State is providing start-up financing of just under 7.3 million euros via the Hightech Agenda Bayern, while the town of Vilshofen will provide the premises for the first five years. “We are investing in Vilshofen in one of the focal points for Bavaria as a business location,” said Sibler. The technology campus in Vilshofen is scheduled to go into operation in 2022. To date, the Deggendorf Institute of Technology operates the Freyung Technology Campus (TC) for applied computer science and bionics, the Teisnach TC for optoelectronics and optical manufacturing technology, as well as another TC for industrial sensor technology, the Spiegelau Technology User Centre for hot glass processing, the Cham TC for mechatronics, the Grafenau Logistics Campus, the Weissenburg TC for plastics technology and, together with the OTH Regensburg, the Parsberg TC for digital manufacturing and the “Modern Mobility” research centre in Plattling. In addition, the Deggendorf Institute of Technology has set up another location in Hutthurm as a branch of the

TC Weißenburg. Technology transfer centres of the Bavarian universities of applied sciences are an essential pillar of the successful Bavarian regionalisation strategy. Their research focus is aligned with the regional economic structure. Science and industry work closely together to develop technologies in an application-oriented manner, to facilitate access to these for regional companies and to facilitate contacts with students and thus future, highly qualified specialists.



Groundbreaking Ceremony TC Vilshofen | Summer 2021

Groundbreaking Ceremony for the Bavarian Centre for Digital Security (TC Vilshofen)

Just under a year before the actual opening, the Vilshofen Technology Campus (TC) is already picking up speed. On 21 September, a meeting with msg services ag took place in Passau. As an IT service and IT consulting company, msg services ag is active in a variety of areas. In particular, the topic of security was examined more closely. The first common points of contact were found. Further exploratory talks are already planned for the near future.

“In addition to cooperation within the framework of publicly funded research and development projects, we can also imagine practical training scenarios being developed at TC Vilshofen with the help of msg services ag,” says Stefan Anthuber, Operational Manager at TC Vilshofen.

In addition, added value for teaching at the university is also conceivable, explains the Scientific Director of TC Vilshofen, Prof. Dr. Martin Schramm: “The Bachelor’s degree course in Cyber Security, but also in other IT degree courses, could be enriched by insights into practice on the part of msg services ag.”

Cooperation with industrial partners and the associated transfer of knowledge and technology to industry - but also vice versa - is a core task of the Technology Campuses at the Deggendorf Institute of Technology (DIT). This also applies to the new TC Vilshofen, which is expected to officially launch in September 2022 with the topic of cyber security. The necessary networks are already being set up for this. The TC Vilshofen can also draw on contacts from the ProtectIT Institute at

DIT. In particular, small and medium-sized enterprises in the region are to benefit from the Technology Campus. Data security is an absolute success factor of digitalisation. Without cyber security, not even a private laptop can be operated today. And certainly not Industry 4.0, autonomous driving or telemedicine. This is proven by the thousands of digital attacks on companies, public institutions and private individuals that happen every day. The goals of the research and project work at TC Vilshofen are the hardening of systems against attacks, the detection of anomalies and attacks in network traffic and the development of necessary reaction measures to IT security incidents.



Graduation Ceremony | Deggendorf

Impressions from our graduation ceremony in Deggendorf



POST - GRADUATE

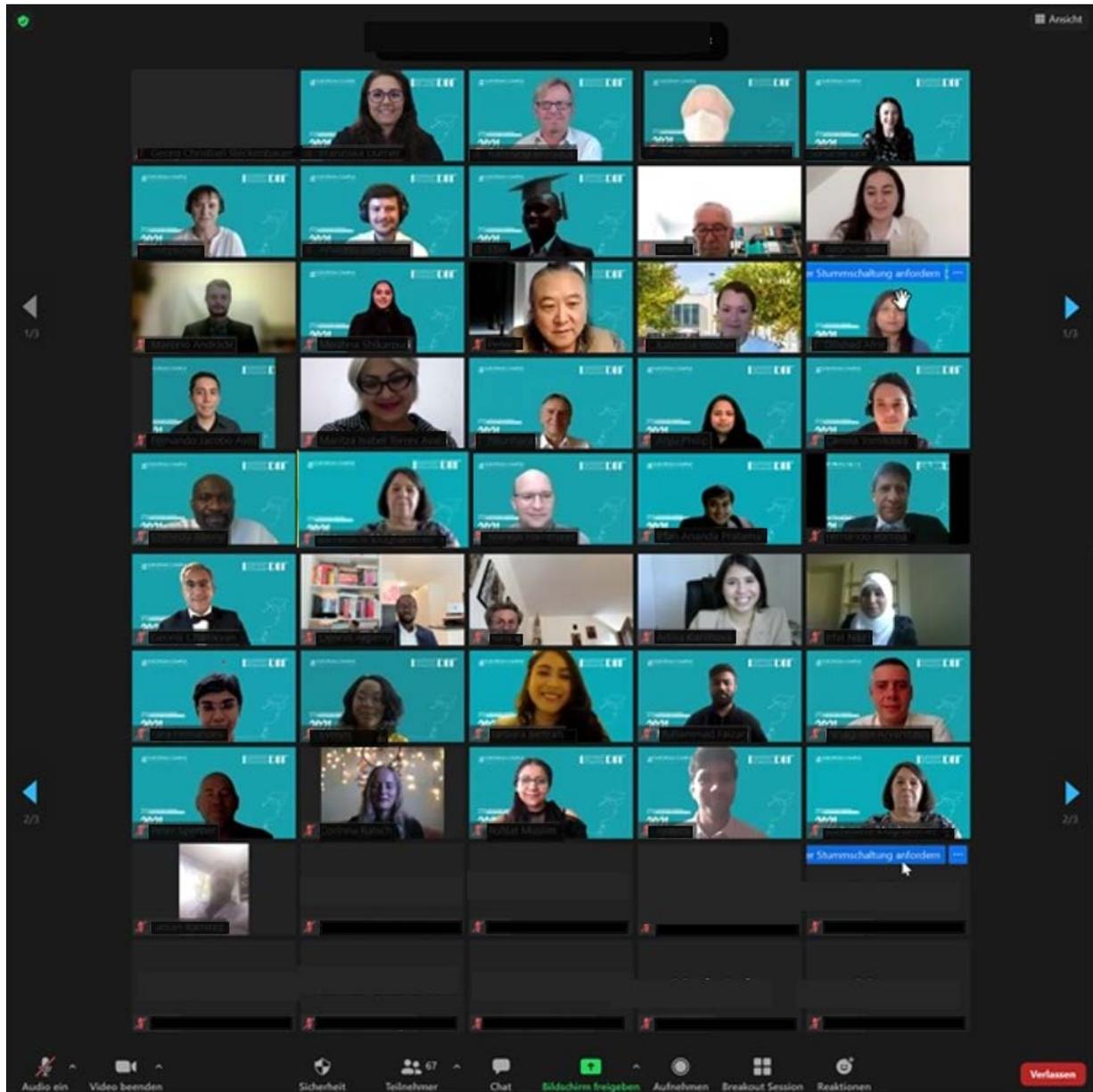
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Graduation Ceremony | Deggendorf



Graduation Ceremony | Pfarrkirchen

Impressions of our graduation ceremony in Pfarrkirchen:



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Page 1 - Ulrike Sauckel, Stefanie Lex
Page 2 - Stefanie Lex, DIT Public Relations
Page 5 - DIT Public Relations
Page 6 - Stefanie Lex
Page 7 - Stefanie Lex
Page 10 - Bayerisches Staatsministerium für
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Page 12 - DIT Alumni

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