

Campus Cham

STUDY AND RESEARCH

卡姆校區－校園簡介

Campus Cham is the newest teaching campus of Deggendorf Institute of Technology.

With futuristic degree programs in mechatronics, artificial intelligence, robotics, and digital manufacturing, students are prepared for leading roles in their professional careers.

Both industry and everyday life are currently undergoing fundamental change, driven by the growing use of new technologies. Students are not only introduced to these fields in theory, but also gain hands-on technical experience through innovative and experimental project work in state-of-the-art teaching laboratories.

Research and development also play a central role at the Cham campus, particularly in the two key areas of Intelligent Production and Robotics. The technological innovations developed there, together with strong research expertise and innovative teaching, make Campus Cham a strong partner—both in the Cham region and beyond.

我們校區是德根多夫技術大學最年輕的校區。

透過在機電一體化、人工智慧、機器人技術和數位生產領域，開設具有前瞻性的課程，讓學生們提前做好在職場中負責重要角色的準備。

由於業界和一般社會目前正經歷著一場由新技術日益普及所引發的根本性變革，學生們不僅在理論上可以接觸到這些內容，還可以在最先進的實驗室中通過實驗裝置有針對性地學習與實踐技術。

在我們校區，研發也扮演著重要的角色，人工智慧製造和智慧型機器人技術兩個研究領域在本校區表現卓越。開發的技術創新與優秀的研究能力，加上創新的教學方式，使我們校區成為當地甚至是更遠地區最有力的合作對象。





Mechatronics and Project Management for Digital Production

機電一體化與數位生產專案管理 (學士)

Degree

- Bachelor of Engineering (B.Eng.)

Duration

- 7 semesters (3.5 years)

Admission Requirements

- General German university entrance qualification

Location & Language of Instruction

- Cham; language of instruction: German

學位

- 工程學士 (B.Eng.)

標準學習年限

- 7 個學期 (3.5 年)

入學要求

- 一般大學入學資格 (德國)

學習地點及授課語言

- 卡姆; 德文



Master Mechatronics and Cyber-Physical Systems

機電系統與網路物理系統 (碩士)

Degree

- Master of Engineering (M.Eng.)

Duration

- 3 semesters (1.5 years)

Admission Requirements

- Bachelor's degree in the fields of Industrial Engineering, Technical Physics, Mechanical Engineering, Electrical Engineering, Mechatronics or a related degree programme or by a qualification that is equivalent to such a university degree.
- Additionally, the professional qualification for this study programme might need to be demonstrated in the context of an aptitude assessment test.

Location & Language of Instruction

- Cham; language of instruction: English

學位

- 工程學士 (M.Eng.)

標準學習年限

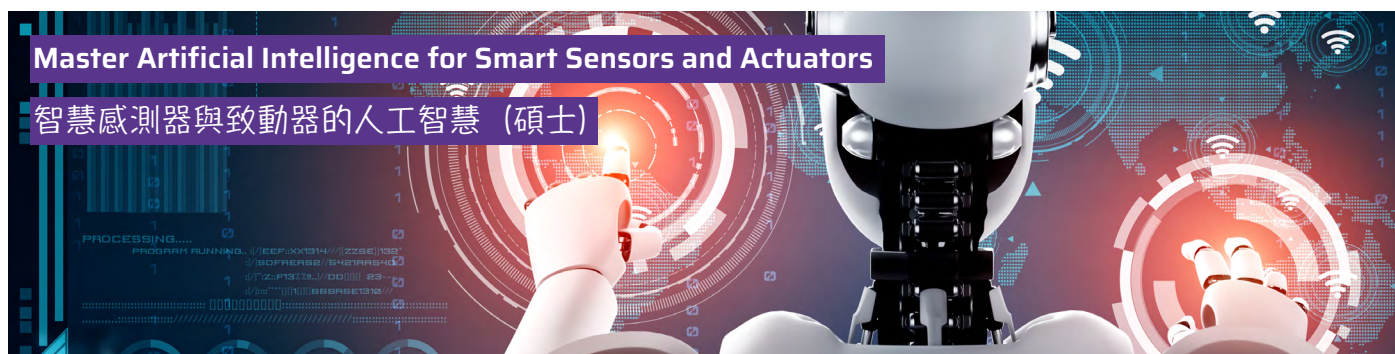
- 3 個學期 (1.5 年)

入學要求

- 工業工程、技術物理、機械工程、電機工程、機電整合或相關領域之學士學位，或具備與此類大學學位同等之資格。
- 此外，申請者可能需透過適性評估測驗，證明具備修讀本課程之專業資格。

學習地點及授課語言

- 卡姆; 英文



Master Artificial Intelligence for Smart Sensors and Actuators

智慧感測器與致動器的人工智慧 (碩士)

Degree

- Master of Engineering (M.Eng.)

Duration

- 3 semesters (1.5 years)

Admission Requirements

- Bachelor's degree in the fields of Mechatronics or a related degree programme or by a qualification that is equivalent to such a university degree.
- Additionally, the professional qualification for this study programme might need to be demonstrated in the context of an aptitude assessment test.

Location & Language of Instruction

- Cham; language of instruction: English

學位

- 工程學士 (M.Eng.)

標準學習年限

- 3 個學期 (1.5 年)

入學要求

- 機械電子工程領域之學士學位，或相關學位課程之學歷，或具備與此類大學學位相當之資格。
- 此外，申請者可能需透過適性評估測驗，證明具備此研究課程所需之專業資格。

學習地點及授課語言

- 卡姆；英文



Master Applied AI for Digital Production Management

應用人工智慧於數位生產管理 (碩士)

Degree

- Master of Engineering (M.Eng.)

Duration

- 3 semesters (1.5 years)

Admission Requirements

- Bachelor's degree in the fields of Industrial Engineering, Production Technology, Mechatronics or a related degree programme or by a qualification that is equivalent to such a university degree.
- Additionally, the professional qualification for this study programme might need to be demonstrated in the context of an aptitude assessment test.

Location & Language of Instruction

- Cham; language of instruction: English

學位

- 工程學士 (M.Eng.)

標準學習年限

- 3 個學期 (1.5 年)

入學要求

- 工業工程、生產技術、機電一體化或相關學程之學士學位，或具備與此類大學學位相當之資格。
- 此外，申請者可能需透過適性評估測驗，證明具備此研究課程所需之專業資格。

學習地點及授課語言

- 卡姆；英文



Master Robotics

機器人技術 (碩士)

Degree

- Master of Engineering (M.Eng.)

Duration

- 3 semesters (1.5 years)

Admission Requirements

- Bachelor's degree in the fields of Mechatronics, Robotics or a related degree programme or by a qualification that is equivalent to such a university degree.
- Additionally, the professional qualification for this study programme might need to be demonstrated in the context of an aptitude assessment test.

Location & Language of Instruction

- Cham; language of instruction: English

Specialisation tracks 專業領域

In the second semester, you can choose one of two specialisations. This allows you to tailor your studies to your individual interests and specialise for your future career. 在第二學期，你可以從兩個專業方向中選擇其一。這能夠根據個人興趣調整學習內容，並為未來職業發展進行專業化深造。



INTELLIGENT ROBOTICS 智慧機器人

Robots for industry and autonomous systems
工業與自主系統用機器人

- Autonomous navigation 自主導航
- Perception and sensor fusion 感知與感測器融合
- Machine learning for robotics 機器人學中的機器學習
- Motion planning and control 運動規劃與控制
- Simulation and digital twins 模擬與數位雙生
- Industrial and service robotics 工業與服務機器人學

ASSISTIVE ROBOTICS 輔助機器人

Robots for humans and healthcare
為人類與醫療保健服務的機器人

- Human-robot interaction (HRI) 人機互動
- Biomechanics and motion analysis 生物力學與動作分析
- Wearable and rehabilitation robotics 穿戴式與復健機器人
- Compliant and safe interaction 順應性與安全互動
- Soft robotics for assistive systems 輔助系統機器人
- Medical and assistive robotics 醫療與輔助機器人

INTELLIGENT VS. ASSISTIVE ROBOTICS

智慧機器人 vs. 輔助機器人

以產業為導向	industry-oriented	human-oriented	以人為本
自主驅動系統	autonomy-driven systems	human-in-the-loop systems	人機協作系統
AI、感知、規劃	AI, perception, planning	biomechanics, HRI, safety	生物力學、人機互動、安全

find out more



LIFE ON CAMPUS CHAM

The individual support on campus is unique. Students experience close supervision in small study groups.



Campus Cham offers a unique atmosphere. Located directly on the banks of the river Regen in southeast Germany, students can complete their studies, relax and socialise in a scenic riverside environment with only 10 minutes' walk to the town centre. Cham is a lively country town with moderate living costs, hosting many leisure and cultural events. It is located in the stunning Bavarian Forest, which together with the Bohemian Forest, forms the largest contiguous forest mountain range in Central Europe.



Close to Munich & Nuremberg Airports – just 2 hours away (170 km)



Study in the scenic Bavarian Forest mountains



Riverside leisure pool – steps from campus (free of charge for students of Campus Cham (DIT) with their student ID)



Indoor swimming pool (free of charge for students of Campus Cham (DIT) with their student ID)



“Quadfeldmühle” sports & leisure park – volleyball, gym, football, skate park & more

校園生活、多元文化與運動

校園內的個別支援是獨一無二的。學習是在個人指導和小組學習中進行的。

卡姆校區擁有獨特的氛圍。坐落於德國東南部雷根河畔，學生們既能在風景如畫的河岸環境中完成學業、放鬆身心、拓展社交圈，步行至市中心也僅需十分鐘。



卡姆是個充滿活力的鄉鎮，生活成本適中，常年舉辦豐富的休閒文化活動。這座小城坐落於壯麗的巴伐利亞森林中，該森林與波希米亞森林共同構成中歐最大的連綿森林山脈。



靠近慕尼黑和紐倫堡機場——僅 2 小時車程（170 公里）

在風景秀麗的巴伐利亞森林山區學習

河畔休閒泳池——距離校園僅幾步之遙（卡姆校區（DIT）的學生憑學生證可免費使用）

室內游泳池（卡姆校區（DIT）的學生憑學生證可免費使用）

Quadfeldmühle體育休閒公園——排球、健身房、足球、滑板公園等



CAMPUS FACILITIES & SERVICES

Around 1,000 students from more than 40 countries currently study at Campus Cham. They have access to all the facilities of Deggendorf Institute of Technology—many of them also available directly onsite in Cham.

- Central Student Advisory Service
- Career Service
- International Office
- AWP Study Center and Language Center
- and much more

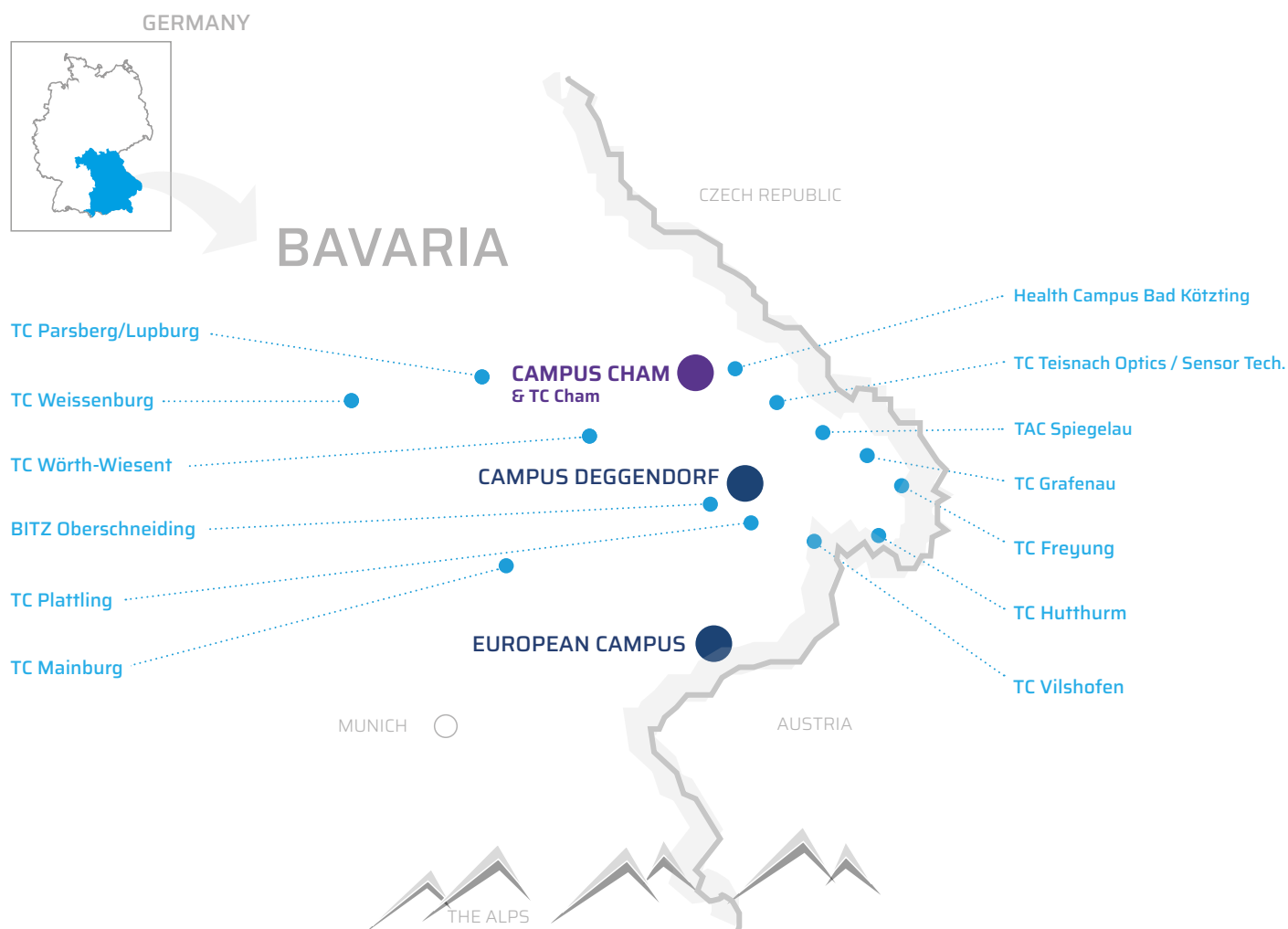
For inquiries and further information, please contact:
studium-cham@th-deg.de oder 0991 3615-9429.

校園設施與服務

來自 40 多個國家的約 1000 名學生可以使用德根多夫理工大學的所有設施——其中許多設施就位於卡姆校區內。

- 中央學業諮詢處
- 就業服務處
- 國際事務處
- 學習中心AWP與語言中心
- 以及更多服務。

如有疑問或需要更多資訊，請聯繫
studium-cham@th-deg.de 或致電 0991 3615-9429。





My name is *Van Thuy Cuc Dang*. My background is in Industrial Engineering, and after several years working as an automation engineer in a global manufacturing company, I discovered my passion for production optimizing through automation and applied artificial intelligence (AI). When I learned about the master's program "Applied AI for Digital Production Management", THD-Campus Cham, Germany offering comprehensive knowledge, I knew it was the perfect next step for me. Studying at Campus Cham has been an inspiring journey, allowing me to bridge engineering and AI while collaborating with international peers on real industrial projects.

我的專業背景是工業工程，在跨國製造企業擔任自動化工程師數年後，我發現自己對透過自動化與應用人工智慧(AI)實現生產優化充滿熱忱。當我得知德國THD-CAMPUS CHAM 開設的「數位生產管理應用人工智慧」碩士課程能提供全面知識時，便確信這是最適合我的進階選擇。在卡姆校區的求學歷程充滿啟發，不僅讓我成功融合工程學與人工智慧領域，更透過與國際同儕協作真實產業專案，拓展了我的視野。



Van Thuy Cuc Dang

Master's student in Applied AI

for Digital Production Management | 人工智慧碩士

NOW APPLY!

立即申請



www.th-deg.de/en/apply



PROF. DIPL.-PHYS. JÜRGEN WITTMANN
教授及物理博士 JÜRGEN WITTMANN

Director | 院長



PROF. DIPL.-ING. TIM WEBER
教授及工程博士 TIM WEBER

Deputy Director | 副院長