



Advanced Technologies for Designing Robotics Systems – Elite Summer School

Are you an elite robotics student? Join us for a sponsored two-week international summer school in Denmark with other highly talented students from around the world.

Denmark's robotics and automation industry has grown significantly in recent years and is now home to global market leaders and high-growth start-ups such as Universal Robots, Mobile Industrial Robots and Blue Ocean Robotics. Currently 50+ robotics companies are centered in the hub surrounding the University of Southern Denmark and the city of Odense and are the result of nearly 30 years of dedicated research.

On behalf of Denmark, it is our pleasure to announce that University of Southern Denmark (SDU), Aalborg University (AAU), the Technical University of Denmark (DTU), and the Danish Innovation Centres in Silicon Valley, Boston, Munich, and Seoul are inviting 50 elite robotic students from around the world to participate in an exclusive international summer school in Odense in advanced technologies for designing robotic systems for specific applications.

The summer school will take place each year in August at the University of Southern Denmark with support from the Danish Ministry of Higher Education, Odense Municipality as well as private partners. The summer school is targeted at talented senior students from UC San Diego, UC Berkeley, University of Southern California, MIT, Harvard University, Northeastern University, Seoul National University (SNU), Korea Advanced Institute of Science and Technology (KAIST), Hanyang University, The Technical University of Munich (TUM) and the leading Danish universities.

What to expect

- The summer school will run from 28 July to 13 August 2021
- The selected students from targeted universities are eligible for a full scholarship including airfare, accommodation and tuition sponsored by Innovation Centre Denmark and partners.
- We will provide you with state-of-the-art technologies to design a robotic system for a given task, mainly within industrial manufacturing, but also tasks within service robotics and robotics for medical applications
- We will introduce the various scientific topics through intensive lectures and exercises, and provide insight into the challenges and opportunities for technology based robotic start-ups.
- You will be taught by leading international scientists and prominent guest lecturers such as Distinguished Professor Henrik Christensen, who is Director of the Contextual Robotics Institute at UC San Diego and the Qualcomm Chancellor's Chair of Robot Systems and Prof. Dr. Sami Haddadin, who is the Director of the Munich School of Robotics and Machine Intelligence at the Technical University of Munich (TUM).
- The language will be English

You will obtain deep knowledge of state-of-the-art technologies such as modeling, digital twins and simulation, computer vision, force-based control, and human-robot interaction. You will be taught in world-class laboratories at the Faculty of Engineering at the University of Southern Denmark, while expanding your international network and connecting with Danish robotic companies.

For more information please see www.sdu.dk/eng or contact **Ulrik Kjølsten Olsen**, Innovation Centre Denmark, Munich at phone: +49 (0) 171 309 6314, email: ulkjol@um.dk. Please submit your application to Ulrik Kjølsten Olsen (containing One-page Letter of Motivation, Academic Transcript and CV) by 20 May 2021.

Please be advised that The Summer School is in-person but may be subject to change caused by COVID-19 restrictions.