

INSTRUCTOR FOR OPTIMIZATION SOFTWARE (PART-TIME: 50 - 80%)

Embotech is a software company developing cutting edge decision-making software for autonomous systems, for use in the automotive, aerospace and other industrial sectors. We are determined to drastically improve efficiency, safety and productivity of autonomous systems by leveraging the core real-time optimization technology that we have been developing since 2012.

Our team is comprised of highly skilled employees with a passion for excellence and efficiency. We are looking for highly motivated people to help us solve one of the most complex challenges of tomorrow and take our company to the next level.

As an instructor for numerical optimization software, you will join a growing team of top technical talent developing our flagship product FORCESPRO. Shaping the product for high usability and low barrier of entry will be your main mission. You will be responsible for educating our customers on how to make best use of FORCESPRO by means of tutorials and workshops and will collect market/customer feedback to improve the product. You will also make changes to the codebase to further improve the user experience. Excitement is guaranteed in this position and opportunities to shape the final product and to interact with customers will be plentiful.

Responsibilities

- Create comprehensive user examples and tutorials illustrating the full potential of FORCESPRO
- Conceive, organize and hold workshops for new and existing customers
- Improve user experience by streamlining interfaces and adding new features to the software
- Maintain and extend the user manual
- Assist with customer support and business development
- When doing all the above, make sure to adhere to our corporate design and identity

Requirements

- Master's or PhD degree in engineering or applied mathematics with very good academic results
- Thorough understanding and experience in using numerical algorithms for optimization
- Track record in applied MPC, formulating and deploying various mathematical optimization problems in automotive, industry or aerospace
- Experience in teaching optimization-related topics (optimal control, MPC, etc.)
- Profound knowledge of C/C++, Matlab/Simulink and Python
- Experience with embedded hardware is a plus
- Excellent communication skills in English, also in writing
- Ability to adapt to rapidly changing tasks and requirements and to think outside the box

You will be directly reporting to the Head of Optimization Technology. Our preferred starting date for this position is October 2021.

We offer an exciting job in a fast-growing company with attractive conditions.

Contact:
embotech AG
Giessereistrasse 18
CH-8005, Zürich, Switzerland
+41 44 552 26 22
careers@embotech.com