

CAS Computational Fluid Dynamics

Flow simulation in practice



Target group

Anyone from industry or research working with Computational Fluid Dynamics in their current or future position.

Qualification

Certificate of Advanced Studies (CAS)

Duration

6 months

Attendance

18 full days in blocks of 2 to 3 days (usually Thu, Fri, Sat)

Language

German or English (depending on participants), all documents in English

Place

University of Applied Sciences Rapperswil (HSR)

Costs

CHF 9,500 (excl. travel, hotel and subsistence expenses). The modules can also be booked separately.

Start

February 20th, 2020

Further information

www.hsr.ch/cas-cfd

Contact

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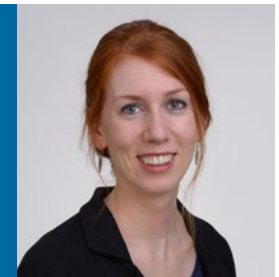
HSR Hochschule für Technik Rapperswil
Weiterbildung
Postfach, CH-8640 Rapperswil
www.hsr.ch/weiterbildung

Become an expert in Computational Fluid Dynamics

Computational Fluid Dynamics (CFD) enables you to optimise your products and processes quickly and efficiently. In this on-the-job vocational training CAS Computational Fluid Dynamics you will learn how to apply the relevant theoretical and practical tools to allow you to execute complex simulations.

Do you want to gain a competitive advantage by optimising your products and processes? Are complex experimental studies too time-consuming and cost-intensive for you? By optimising flow characteristics, the design and functionality of your products and processes can be improved quickly and cost-efficiently.

«In today's digital era, "reality" is being shifted more and more into the "virtual world", and simulations play their part by helping to optimise processes and products quickly and at lower costs. Therefore, companies who train their employees in computer-based modelling have a crucial competitive advantage. »



Zoe Stadler
Course Leader

The vocational training CAS Computational Fluid Dynamics consists of the following three modules, which can also be attended separately and for which ECTS-points are awarded with the final certificates:

- Module **Mathematics and Computational Methods:**
The mathematical basis for simulations
- Module **Fluid Dynamics, Heat Transfer and Turbulence Modeling:**
The physics of flows
- Module **CFD in Practice:**
Application of a CFD simulation to a real problem at your company

From experts for experts

Benefit from the profound theoretical knowledge and considerable practical experience of our experts, who support you with your "CFD in practice" project. This guarantees transfer of your knowledge from theory into practice and enables you and your company to benefit optimally from the vocational training.

Information evenings

Further information is available on our website regarding our information evenings.