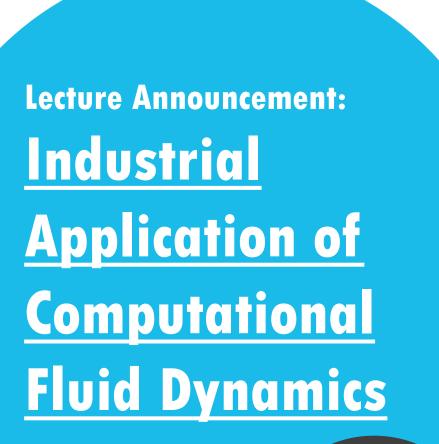


Universität Stuttgart

Institut für Chemische Verfahrenstechnik



Tuesdays 08:30 — 13:30 Room 4.014 Böblinger Str. 78

Scheduled Lecture Sessions:

- 29.10.2019 08:30 13:30
- 05.11.2019 08:30 13:30
- 12.11.2019 08:30 13:30
- 19.11.2019 08:30 13:30

Syllabus:

- > What is CFD? Why use CFD?
- CFD Analysis Process
- Equations of Fluid Mechanics
- Turbulent Flows DNS, LES, RANS
- > Multiphase Flows
- Using a Commercial Software ANSYS FLUENT
 - Prerequisites
 - Problem Description
 - Creating and Meshing the Geometry
 - Setup CFD Simulation and Domain
 - Setup Physics
 - > Solvers
 - Post-Processing

Lecturer:

Dr. Mostafa S. Shadloo (INSA Roven)

 Associate Professor at National Institute of Applied Science (INSA) Rouen, France (since 2015)



- 26.11.2019 08:30 13:30
- 03.12.2019 08:30 13:30

The lecture is primarily aimed at students in the M.Sc. Process Engineering curriculum and similar, as well as PhD students

Full details on ECTS / curriculum crediting to follow!

Further Information: Mostafa S. Shadloo (mostafa.safdari-shadloo@insa-rouen.fr) and on www.icvt.uni-stuttgart.de

Fields of Interest: Hydrodynamics, Turbulence, Multiphase, Multi-physics Fluid Flows and Heat Transfer

