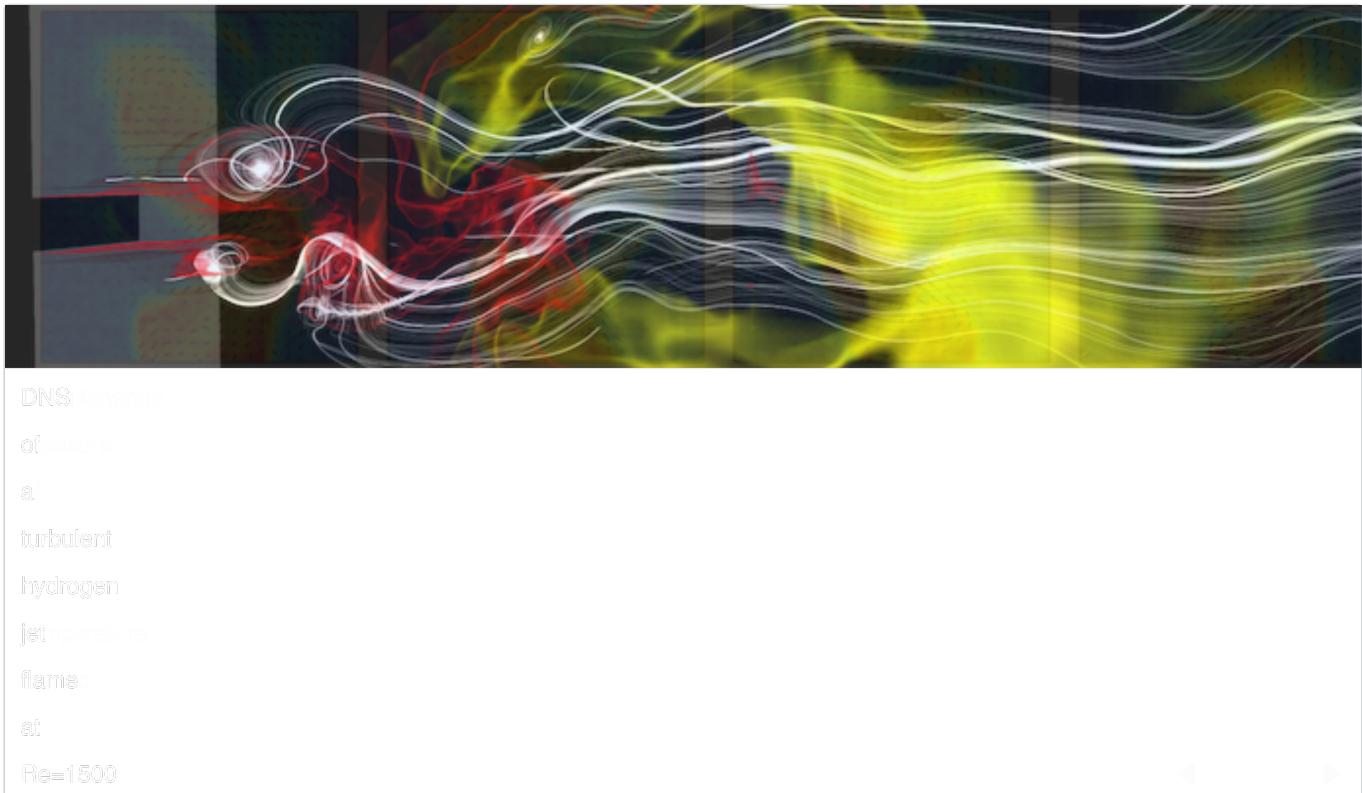


**INSTITUT FÜR
STRÖMUNGSTECHNIK
UND THERMODYNAMIK**



Institute of Fluid Dynamics and Thermodynamics (ISUT)

The Institute of Fluid Dynamics and Thermodynamics (ISUT) at the University of Magdeburg "Otto von Guericke" is responsible for teaching and research in all areas of fluid dynamics, thermodynamics and combustion.

This includes experimental and numerical research activities, investigating for instance following problems:

- Reacting and multiphase flows
- Sprays and spray cooling
- Laminar and turbulent flames
- Industrial ovens and furnaces
- Turbomachines
- Flow instabilities
- Heat exchangers
- Non-newtonian flows
- Acoustics
- Radiative heat transfer
- Mixing improvement, separation
- Optimization of flow conditions
- Medical flows
- And many more...

For this purpose, high-quality measurement methods and numerical simulation programs are available in the group.

Departments and groups of the Institute:

- › Fluid Dynamics and Technical Flows (<http://www.lss.ovgu.de/en/LSS.html>) | Head: Prof. Dr. Dominique Thévenin
- › Thermodynamics and Combustion (<http://www.ltv.ovgu.de/>) | Head: Prof. Dr. Eckehard Specht

› Technical Thermodynamics (<http://www.ltt.ovgu.de/>) | Head: Prof. Dr. Frank Beyrau

› Group: Heat-and Mass-transfer (<http://wsu.ovgu.de/>) | Head: Jun.-Prof. Alba Diéguez Alonso
