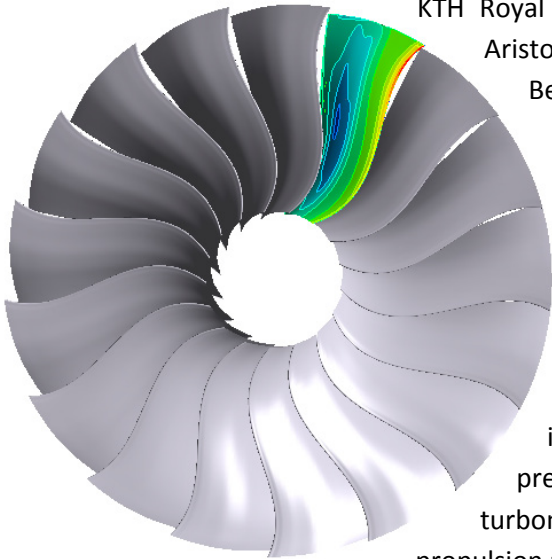


Turbomachinery Aeromechanical University Training

The Erasmus Mundus programme in Turbomachinery Aeromechanics (THRUST) is a cooperation between KTH Royal Institute of Technology in Sweden, Duke University in the USA, Aristotle University of Thessaloniki in Greece and Université de Liège in Belgium. It is a two-year Master's programme including compulsory internship and mobility for the students. The knowledge from the foremost specialists in the field is made available using advanced teaching and learning methods.



Programme Content & Outline

Turbomachinery aeromechanics denotes a field of engineering involving aerodynamically induced vibrations. Such vibrations present a serious challenge to manufacturing companies and turbomachine operators in the areas of power generation, aircraft propulsion as well as turbomachinery based mechanical drive.

The THRUST programme is the first Master's programme ever to address the field of aeromechanics on an exclusive basis.

Fees & Scholarships

Tuition fee is 8000€/year for non EU-citizens and 4000€/year for EU-citizens. Students can apply for a scholarship of up to 48'000€ for the entire programme duration¹.

Semester 4

Thesis Project

Semester 3

Unsteady Aerodynamics
Duke

Structural Vibration and Fatigue
AUTH

Aeromechanical & Material Design
ULg

Internship in industry or academia

Semester 2

Courses in Thermal Turbomachinery, Aeroelasticity, Damping, Finite Element Methods (FEM)
Project Course part 2

Semester 1

Courses in Thermal Power Systems, Turbomachinery, Computational Fluid Dynamics (CFD), Measurement Techniques, Advanced Mechanical Vibrations
Project Course part 1

Apply now

Deadline Nov 30, 2011

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