SUMMER PROGRAM 2022
CFD Applications in Aeronautical Engineering
ESTACA - PARIS SACLAY
June 27th to July 22nd

LEARN AND PRACTICE MODELING TECHNIQUES FOR FLUID DYNAMICS
STUDY IN ENGLISH AND DISCOVER PARIS
Learn and practice modeling techniques for fluid dynamics
Study in English and discover Paris!

**AIM**
Learn and operate CFD (Computational Fluid Dynamics) tools to understand and predict aeronautical systems performances and behavior.

**PROGRAM BENEFITS**
- Work with industrially relevant computation software and methods;
- Study in a multicultural environment.

**SKILLS ACQUIRED**
- Importance of fluid mechanics in aeronautical applications;
- CFD simulation;
- Understanding of the role of numerical tools in a design process.

**COURSES**
(90 study hours approximately)
- Aeronautical history
- Fluid mechanics
- Turbulences
- Aerodynamics
- Computational Fluid Dynamics
- Conferences and visits

**COURSE BREAK DOWN**
- Lectures and Labwork;
- Company visits: for exemple ONERA, Safran, or others among our partners.
- Cultural visits: Bateaux-mouches and Château de Versailles;
- Conference on “Global Air Transport Market”.

**PRACTICAL INFORMATION**
- **Academic period**: June 27th to July 22nd
- **Arrival date**: June 24th*
- **Language**: English
- **Number of credits**: 10 ECTS
- **Price** (including housing): 3 600€*
- **Required Level**: Minimum 3rd year of bachelor degree in engineering (or related fields) and basic knowledge of fluid mechanics
- **Application deadline**: May 1st (for non-European citizens) or May 31st (for European citizens)
- **Alternatives to be discussed in case of travel restrictions (COVID-19 related)**

*Special discount for partner institutions
Please contact international@estaca.fr

For more information:

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