

SUMMER PROGRAM 2023

**CFD Applications in
Aeronautical Engineering**

ESTACA - PARIS SACLAY
June 26th to July 13th

**LEARN AND PRACTICE
MODELING TECHNIQUES
FOR FLUID DYNAMICS**

STUDY IN ENGLISH AND DISCOVER PARIS



EXPANDING HORIZONS OF MOBILITY



3 WEEKS AT ESTACA PARIS-SACLAY

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.

ACQUIRED SKILLS

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

COURSES

- Aeronautical history (9h);
- Fluid mechanics (15h);
- Turbulences (12h);
- Aerodynamics (12h);
- Computational Fluid Dynamics (20h);
- Conferences and visits (6h).

COURSE BREAK DOWN

- Lectures and Labwork;
- Company visits;
- Cultural visits;
- Conferences and workshops.

PRACTICAL INFORMATION

- **Academic period:** June 26th to July 13th;
- **Recommended arrival date:** Friday 23rd June;
- **Language:** English;
- **Number of credits:** 7 ECTS;
- **Price:** 3 000€* (including housing);
- **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).

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



For more information:

www.estaca.fr/en/programs/summer-program-cfd.html

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