

SUMMER PROGRAM 2017

CFD Applications in
Aeronautical Engineering

ESTACA - PARIS SACLAY
July 3rd to 28th

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

STUDY IN ENGLISH AND DISCOVER PARIS

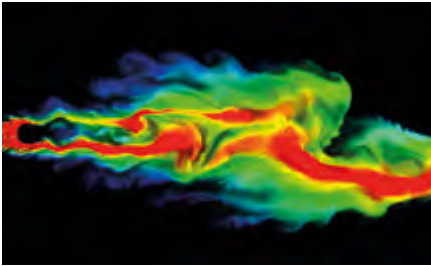
Groupe ISAE 



EXPANDING HORIZONS OF MOBILITY

ONE MONTH 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.

SKILLS ACQUIRED

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

COURSES

- Aeronautical history (6h)
- Fluid mechanics (15h)
- Applied Thermal science (12h)
- Aerodynamics (21h)
- Computational Fluid Dynamics (27h)
- Conferences and visits (21h)

COURSE BREAK DOWN

- Lectures;
- Labwork;
- Company visits : Latmos , Ariane Space Launchers, Dassault, etc.
- Cultural visits: Bâteaux-mouches and Château de Versailles
- Conference on "Global Air Transport Market"

PRACTICAL INFORMATION

- Academic period: July 3rd to July 28th
- Language: English
- Number of credits: 10 ECTS
- Price: 3 500€ (including housing)
- Required Level: Minimum 3rd year of bachelor degree in engineering (or related fields)
- Application deadline: May 1st (for non-European citizens) or May 31st (for European citizens)



For more information:

The website will open in March 2017 at www.estaca.fr/en/programs/summer-program.html
For any questions and application form please contact international@estaca.fr

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