SUMMER PROGRAM 2019

CFD Applications in Aeronautical Engineering

ESTACA - PARIS SACLAY
July 1st to the 26th

EXPANDING HORIZONS OF MOBILITY

LEARN AND PRACTICE MODELING TECHNIQUES FOR FLUID DYNAMICS

STUDY IN ENGLISH AND DISCOVER PARIS
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)
- Turbulences (14h)
- Aerodynamics (20h)
- Computational Fluid Dynamics (24h)
- Conferences and visits (12h)

COURSE BREAK DOWN
- Lectures;
- Labwork;
- Company visits : Latmos, Safran, etc.
- Cultural visits: Bâteaux-mouches and Château de Versailles
- Conference on “Global Air Transport Market”

PRACTICAL INFORMATION
- Academic period: July 1st to the 26th
- Arrival date: June 28th
- Language: English
- Number of credits: 10 ECTS
- Price: 3 600€ (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)

For more information:
www.estaca.fr/en/programs/summer-program.html
For any questions and application form please contact international@estaca.fr

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