



Labex  
**CAPRYSSES**  
Cinétique chimique et Aérodynamique  
pour Propulsions et Systèmes Énergétiques PROPRES et SÛRS

## *Post-doctoral and invited researcher positions available in ORLEANS (France)*

ICARE (CNRS Orléans) and PRISME laboratory (Université d'Orléans) open together post-doctoral and invited researcher positions in the field of '*Chemical kinetics and Aerothermodynamics for Clean and Safe Propulsion and Energetic Systems*'

The **research domains** investigated in this consortium are mainly the following:

- \* combustion or partial oxidation of gaseous, liquid or solid fuels
- \* detonation of gaseous fuel mixtures, eventually containing solid particles or droplets
- \* aerothermodynamics of moderate to high speed flows

These domains are expected to strongly contribute to improve the **energetic, environmental and safety performances of the following engineering systems or coupled phenomena:**

- \* internal combustion engines for mobility
- \* propulsion systems for aeronautics and space
- \* energy generation systems by combustion or fuel generation systems by gasification
- \* risk mitigation due to chemical explosions

- If you have a **recent PhD** on *chemical kinetics, combustion dynamics, optical diagnostics, combustion in engines, fluid mechanics for combustion systems or propulsion systems, detonations or chemical explosions*, you can candidate for a **post-doctoral** position.

- If you are a **permanent staff** in an Research Institute or in a University you can candidate for an **invited researcher position** for short to medium periods (2 weeks to 4 months)

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