

# Pierre-Elie FROSSARD

Paris, France

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**Profile: Aerospace Engineer with project management skills**

**Objective: Participate to Strategic & Business Activities of a Worldwide Company**

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## BACKGROUND

2002-2008

**Master's Degrees in Aerospace Engineering. ESTACA, Paris, France.**

One of the Top French School in Aeronautical and Space Engineering. Specialized in **Thermo-Fluids**.

April 2003

**Pershore and Hindlip College, Pershore, England:**

Edexcel Professional Development Qualifications: « **Working with People** ».

June 2002

**BAC S** (equivalent to A level) with a major in physics with Honours.

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## EXPERIENCE

From March 2008

**Assistant Operation Manager SME at ASTech Paris-Region, Aeronautical Cluster, Paris, France**

- **Optimization of Supply-Chain Management** inside the aeronautical industry improving relationship between big companies and SME.
- **Determination of Business Plans** for collaborative projects conducting to new technologies development.
- **In charge** of the organization of an event (150 people) aiming at reinforcing links between students, SME and major companies.

Oct.2007-Feb 2008

**SPLAB, Politecnico di Milano, Propulsion Laboratory: Milano, Italy**

- **Experimental determination** of best propellants suitable at a large scaled hybrid within the framework of a program of the ESA. (European Space Agency).
- **Implementation of simulation tools (VBA)** allowing the prediction of performance for rocket motor in preliminary design phase.

Sept 2006-July 2007

**ROXEL France, Trial and Research Department: Bourges, France**

- **In charge of design studies for PERSEUS program (CNES):** Design of preliminary drafts and establishment of Road-Map for the development of innovative technologies.
- **In charge of a trial run of Pulsed Detonation Engine (PDE):** Mock-up design, supplier management, operational team management, project management.

May-July 2006

**INTA (Instituto Nacional de Técnicas Aeroespaciales): Madrid, Spain**

**Numerical studies of nozzle flow for satellite micro-thrusters.** Implementation of slip conditions on the walls inside a finite volume numerical code.

June-July 2005

**LEMFI (Energetic and Internal Fluid Dynamics Laboratory): Paris VI University, France**

**Studies of turbofan aerospace engine compressor flow.** Implementation of numerical conditions to take into account boundaries layers effects.

July August 2003

**Holiday Inn, Woking, England**

Worked as waiter in an international business hotel and restaurant.

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## LANGUAGE

French: native tongue

English: Fluent (TOEIC: 825, TOEFL IBT: 99).

Spanish: read, written, spoken.

Italian: Beginner.

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## OTHERS

- **Laureate of « Usaire Student Award 2007 »:** « *Globalization: Which Challenges for Aeronautical and Aerospace Industries in 2030?* ». Sponsored by the French Minister of Defence.
- Auditor of **IHEDN** (French Institute for National Defence Studies, 57<sup>th</sup> Session of Strasbourg)
- **Chief Executive** of Paris Student Comity of **AAAF** (French Aeronautical and Aerospace Association), member of **RAeS** (Royal Aeronautical Society).
- **International Oral Presentation at the 2<sup>nd</sup> European Conference for Aero-Space Sciences (EUCASS)** in Bruxelles (2007): « *Development of Nanolauch Vehicle Using Hybrid Propulsion* ».
- Sports: Judo (Black belt obtained in 1999), sailing, golf.