

## François BEAUBERT

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Citizenship : French

36 year-old: born on Mai, 26<sup>th</sup> 1973 in Poitiers FRANCE

### Professional contact:

LME - Université de Valenciennes et du Hainaut-Cambrésis

Le Mont Houy 59313 Valenciennes CEDEX 9 FRANCE

E-mail: francois.beaubert@univ-valenciennes.fr

### Education & Experience

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- Since 2004:** Assistant Professor at the ENSIAME in University of Valenciennes  
**2002-2003:** Temporary Assistant Professor at the University of Nantes.  
**1998-2002:** PhD Thesis in Mechanics and Energetics obtained at the University of Nantes:  
« Large Eddy Simulation of a plane imping jet. ».  
PhD supervisors: S. VIAZZO and C. SOLLIEC.  
**1996:** Master in Fluid Mechanics obtained at the University of P. et M. CURIE (Paris VI)

### Numerical methods and computer skills

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- Solvers:** Fidap, Fluent, Star-CCM+, OpenFOAM  
**Meshers:** Geomesh, Gambit, Tgrid, Gmsh, BlockMesh  
**Discretisation:** Finite Volume, Finite Difference  
**Modelisation:** RANS turbulence models, Large Eddy Simulation, Detached Eddy Simulation  
**Operating System:** UNIX: Aix, Solaris, Hpux, True64, Linux - Windows: 95-2000, NT, XP, VISTA  
Super Computers: Cray SP2, Nec SX5 - Workstations: IBM, Sun, HP, Dec Alpha, PC  
**Development:** Fortran 77 and 90, C++, Python, Matlab, Shell (sh, bash, tcsh)  
Academic CFD code, scientific libraries, vectorization and parallelism  
Open-source/Gnu and Microsoft tools

### Main publications

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#### International Journals:

- [1] F. Beaubert, S. Viazzo, “Large Eddy Simulation of a plane impinging jet”, *Compte Rendu de l’Académie des Sciences – Mécanique*, 2002, 330(12), 803–810.  
[2] F. Beaubert, S. Viazzo, “Large Eddy Simulations of plane turbulent impinging jets at moderate Reynolds numbers”, *International Journal of Heat and Fluid Flow*, 2003, 24(4), 512–519.  
[3] L. Labraga, G. Kahissim, L. Keirsbulck, F. Beaubert, “An Experimental Investigation into the Separation Points on a Circular Rotating Cylinder in Cross Flow”, *Journal of Fluids Engineering*, 2007, 1203–1211.

#### International Conferences:

- [4] F. Beaubert, S. Maurel, S. Viazzo, C. Solliec, “Numerical and experimental visualizations of a plane turbulent jet impinging on a flat and smooth plate”. *9th International symposium on flow visualization*. Edinburgh SCOTLAND, October 20–22 2000.  
[5] F. Beaubert, S. Viazzo, “Large Eddy Simulation of a plane turbulent impinging jet”. *14th Australasian Fluid Mechanics Conference*. Adelaide – AUSTRALIA, December 9–14 2001.  
[6] F. Beaubert, S. Viazzo, “Large Eddy Simulations of plane turbulent impinging jets at moderate Reynolds numbers”. *5th International Symposium on Engineering Turbulence Modelling and Measurements*. Mallorca – SPAIN, September 16–18 2002.  
[7] F. Beaubert, S. Viazzo, “Large Eddy Simulation of flow and mass transfer in a plane turbulent impinging jet”. *12th Conference on Fluid Flow Technologies (CMFF’03)*. Budapest – HUNGARY, September 3–6 2003.  
[8] L. Keirsbulck, G. Kahissim, L. Labraga and F. Beaubert, “An Experimental Investigation of the Separation Points on a Circular Rotating Cylinder in Cross Flow”. *Concluding Symposium Electrochemical Flow Measurements and Microfluidics (COST F2)*. Poitiers – FRANCE, July 1– 3 2004.