

# CURRICULUM VITAE

**Pierre SAGAUT**

Birth date : October 7th, 1967

Professor

Laboratoire de Mécanique, Modélisation et Procédés Propres, UMR 7340

Aix-Marseille Université

Marseille, France

pierre.sagaut@univ-amu.fr

<http://www.m2p2.fr>

## Education

- **1999** : Habilitation à Diriger des Recherches, Université Pierre et Marie Curie
- **1995** : Ph.D in Fluid mechanics, Université Pierre et Marie Curie (research performed at ONERA – Aerodynamics Dept.)
- **1991** : MSc in theoretical mechanics, Université Pierre et Marie Curie

## Positions

- **2002 -2014** : Professor, d'Alembert Institute, Université Pierre et Marie Curie, France
- **1999 -2012**: part-time professor, Mechanics Dept., Ecole Polytechnique, France
- **1995-2002** : senior scientist, ONERA – French National Aerospace Lab. (Computational Fluid Dynamics & Aeroacoustics Dept.), France
- **2014 - 2019** : Member (senior) of Institut Universitaire de France, now honorary member
- **2014 -** : Professor, M2P2 Laboratory, Aix-Marseille Université

## Professional activities

- **2015-** : Director of M2P2 Laboratory
- **2008-2012** : Member of the « Conseil d'Administration » (Governing Board) of Université Pierre et Marie Curie
- **2009-2013** : Deputy Head of Institut Jean Le Rond d'Alembert (UPMC/CNRS research laboratory)
- **2008- 2014**: Head of the Engineering & Modelling Division of Université Pierre et Marie Curie
- **2009- 2018**: Member of « Conseil Scientifique » (Scientific Board) Commissariat à l'Energie Atomique (CEA)/Direction Applications Militaires
- **2012-2014** : Member of « Conseil Scientifique » of Ecole Normale Supérieure Cachan
- **2012-2016**: Deputy head of « Scientific Program Committee » of ERCOFTAC, member of executive board of ERCOFTAC
- **2012- 2014**: President of the « Turbulence & Fluid Mechanics » group of Association Française de Mécanique, Member of « Conseil Scientifique et Technique »
- **2014- 2016**: President of « Conseil Scientifique et Technique » of Association Française de Mécanique
- Scientific consultant (past & present) at ONERA (France), CERFACS (France), EXA Corp., Saint-Gobain Research, Institut Français du Pétrole

**Publications:** about 203 articles in peer-reviewed international journals, 10 monographs, 13 book chapters, 55 invited plenary/keynote conferences, 117 proceeding papers in international conferences. I also gave 24 invited seminars in France and 16 abroad. I have co-edited 4 proceeding books and 7 special issues in international journals.

**Academic honors & Prizes:**

- **2002** : John Green prize (International Council for Aeronautical Sciences)
- **2007** : prize of Association of European Research Establishments in Aerospace (shared with G. Desquesnes, E. Manoha, M. Terracol)
- **2010** : Grand Prix de l'Académie des Sciences/ EADS in « Science & Engineering »
- **2014** : Chaire d'Excellence A\*MIDEX
- **2018** : Chaire Airbus-Renault-Safran on Lattice-Boltzmann Methods for CFD

**Editorial board membership (international publications):** Computers and Fluids (editor in chief), Journal of Computational Physics, Journal of Turbulence, Journal of Scientific Computing, Progress in CFD, « Scientific Computations Series, Springer »

**Organization of international conferences :** Since 1999, I've been on the program/advisory/scientific committee of 25 international conferences. In 13 cases I was one of the organizers

**Supervision of young researchers :** since 1997 I supervised 68 PhD students and 15 post-doc fellows. All of them are enjoying successful careers in academia or industry. Some of them received a prize for their PhD thesis : E. Labourasse (GAMNI Prize, 2002), L. Lesshafft (EADS foundation prize, 2007, Best PhD prize of Ecole Polytechnique, 2007), V. Levasseur (GAMNI Prize, 2007), M. Chandesris (Valembois prize from SHF, 2008).

**Main research topics:** computational fluid dynamics, aerodynamics, aeroacoustics, uncertainty quantification, aerospace engineering, urban physics, turbulence dynamics and modelling, numerical methods

**Grants:** since 2014, I got 58 research grants for a total amount of about 5 M€.