



CURRICULUM VITAE

ANDRE, Jean-Claude

Born 28 August 1946 in Paris.

*** HIGHER EDUCATION**

- Two French "Baccalauréats" in Mathematics (1963) and Philosophy (1964),
- Engineer from "Ecole Polytechnique" (Promotion 1965),
- Diploma of Meteorological Engineer (1970),
- Doctorate in Physical Sciences ("Thèse d'Etat", 1976).

*** STAYS ABROAD**

- National Center for Atmospheric Research (Boulder, Colorado, USA): August 1971 - July 1972,
- Research Associate at the Department of Atmospheric Sciences, Oregon State University (Corvallis, Oregon, USA): August 1980 - March 1981.

*** PROFESSIONAL ACTIVITIES**

- Director of CERFACS, European Centre for Research and Advanced Training in Scientific Computing (since 1995),
- Director of CNRM, National Center for Meteorological Research (1982-1994), Head of Research at Météo-France (1994), Scientific Advisor at Météo-France (1995-1998),
- Part-time Professor at the Mechanics Department of "Ecole Polytechnique" (1976-1990),
- Research scientist at the French meteorological service (1970-1982).

*** OTHER PRESENT OR RECENT ACTIVITIES**

- Member of Scientific Councils of:
 - (French Ministry of) Defence (1994-1997),
 - Electricité de France (1996-2002),
 - National Geographic Institute (IGN, Chairman, 1998-2001),
 - Program GICC for "Management and Impacts of Climate Change" (Chairman, 1998-2005),
 - National Centre for Technological Research "Aeronautics and Space" (Chairman, 2002-2007),
 - Directorate for Nuclear Energy of CEA, French Atomic Energy Commission (since 2002),
 - CINES, National Centre of Informatics for Higher Education (2003-2006),
 - EADS Foundation (since 2004, Chairman since 2008),
 - ORAP "Associative Organization for Parallel Computing" (Chairman, 2004-2009),
 - Program CIS for "High-Performance Computing" (ANR, Chairman, 2005-2007),
 - Strategic Committee for HPC (CSCI, since 2009).
- Chairman of the French Meteorological Society (SMF, 1995-1997),
- Chairman of the Board of "MEDIAS-France" (1994-2006),

- Executive secretary for the MERCATOR program on operational oceanography (1997-2001),
- Vice-chairman of the Board of CNRT-AE, National Centre for Technological Research "Aeronautics and Space" (2002-2007),
- Member of the Steering Committee for the thematic network on "Science and Technology for Aeronautics and Space" (RTRA/STAE, since 2007).

* **AWARDS**

- "Victor Raulin" prize of the French Academy of Sciences (1984),
- Honorary Member of the European Geophysical Society (1989),
- **Corresponding Member of the French Academy of Sciences (Sciences of the Universe, 1990)**,
- Member of Academia Europaea (1992),
- W. Bjerkness medal of the European Geophysical Society (1999),
- **(Founding) Member of the French Academy of Technology (2000)**.

* **MAIN RESEARCH THEMES**

- Theory of turbulence,
- Numerical modelling of the atmospheric boundary layer and of the upper ocean,
- Ocean-atmosphere interactions, soil-vegetation-atmosphere interactions, climate,
- 135 publications, with 45 in the internationally-reviewed literature, one course on Fluid Turbulence ("Ecole Polytechnique"), co-editor of 2 books.