

Curriculum Vitae

Guy CANIAUX, Date of birth: 18 September 1954 (Lyon, France), Citizenship: French

Address

Centre National de Recherches Météorologiques (CNRM)
Groupe Météorologique de Grande Echelle et Climat (GMGEC)
Equipe de Modélisation des Echanges Météo-Océaniques (MEMO)
42, Avenue Gustave Coriolis, 31057 Toulouse, CEDEX, FRANCE
Tel: 0033.561.07.96.71
Fax: 0033.561.07.96.10
Email: guy.caniaux@meteo.fr

Academic formation

Diplôme d'Ingénieur des Travaux de la Météorologie from the French Ecole Nationale de la Météorologie (ENM) in 1977 ; Diplôme d'Ingénieur Civil de la Météorologie from the French Ecole Nationale de la Météorologie (ENM) in 1987 ; Philosophy Doctorate (PhD) thesis, University Paul Sabatier (Toulouse, France), Specialty : Atmospheric Physics in 1993

Research Experiences

1990-1995 : Research scientist in the field of air-sea interactions in Toulouse (France)
1995-2012 : Leader of the Air-sea exchanges modeling group (MEMO team) in the French Centre National de Recherches Météorologiques (CNRM), Toulouse (France)

Speciality

Air-sea interactions, air-sea fluxes, oceanic mixed layer, numerical modeling of upper oceanic layers

Scientific activities

Publications: author and co-author of 60 peer-review papers in international journals (*J. Geophys. Res.*: 22 ; *Q. J. Roy. Met. Soc.*: 4 ; *Ocean Dyn.* : 4 ; *La Météorologie*: 4; *J. Phys. Oceanogr.* : 3 ; *Ann. Geophys.* : 3; *Atmos. Sci. Let.* : 2 ; *Geophys. Res. Let.*: 2; *Mon. Weather Rev.* : 2; *J. Atmos. Sci.*: 2; *Dyn. Ocean Atmos.*: 2; *J. Mar. Sys.*: 2; *Glob. Biogeochem. Cycles* : 1 ; *J. Clim.*: 1; *Deep Sea Res.*: 1; *Biogeochemistry* : 1 ; *Compte-Rendu de l'Académie des Sciences*: 1 ; *Rev. Brasileira Meteor.*: 1 ; *Boundary Layer Meteorology* : 1 ; *J. of Oceanography and Data* : 1)

Communications: author and co-author of 30 extended abstracts in international meetings, of 25 extended abstracts in French meetings, of 180 abstracts in international meetings and of 100 abstracts in French meetings and seminars.

Student supervising: 9 PhD thesis, 2 Postdoctoral fellows and 8 Msc students, students in the French Ecole Nationale de la Météorologie (ENM) and in the Ecole Africaine de la Météorologie et de l'Aviation Civile (EAMAC, Niamey, Niger). Tutor of HDR (H. Giordani). 9 participations in PhD juries.

Major oceanic cruises: SEMAPHORE (1993) ; CATCH/FASTEX (1997) ; EQUALANT99 (1999) ; POMME (2001) ; AMMA/EGEE3 (2006).

Research contacts: Member of scientific comities for the following experiments : CATCH/FASTEX (1997), POMME (2001), AMMA/EGEE3 (2006); Member of the French Comité Consultatif de la Mousson Africaine (CCMA) ; Member of the French Commission Océan-Physique-Chimie-Biologie (OPCB) at FREMER (2001-2008) ; Member of the French Commission GTS ATALANTE at IFREMER

(2005-2008) ; Member of the French Comité de Mesures de Flux en Mer (since 2003) ; Member of the European Geophysical Society (EGS) and of the European Geophysical Union (EGU); Member of the American Geophysical Union (AGU);

Reviews: journals: *Geophysical Research Letters*, *Ocean Dynamics*, *Journal of Geophysical Research*, *Annales Geophysicae*, *Remote Sensing of Environment*, *Bulletin of the American Meteorological Society*, *Ocean Modeling*, *Téledétection*, *La Météorologie*, *Compte-Rendu de l'Académie des Sciences* (2 to 4 per year). Reviews of several proposals for the following programs or organisms: CLIVAR, National Oceanic and Atmospheric Administration (NOAA), PATOM of the French Institut National des Sciences de l'Univers (INSU), OPCB commission at IFREMER (1 to 3 per year)