

Curriculum vitae

Personal

Family name: Chambolle, First name: Antonin

Date of birth: 22 January 1967

Nationality: French

Identifiers: orcid.org/0000-0002-9465-4659, ResearcherId: R-3558-2018, Scholar Google

Education

- 2002 Habilitation, Université Paris-Dauphine (CEREMADE), France.
Title: “Variational problems with free boundaries or free discontinuities.
Applications to imaging, shape optimisation, fracture mechanics.”
- 1993 PhD degree, CEREMADE, Université de Paris-Dauphine, France
Title: “Mathematical analysis for three visual reconstruction problems”.
- 1986–1990 École Normale Supérieure, Paris, France (Physics/Applied Mathematics and Mechanics).
1989 “Agrégation de Mathématiques” (national competition, ranked 9th).

Positions

- 2020– CNRS Senior Scientist with CEREMADE, CNRS UMR7534,
Université Paris-Dauphine PSL, Paris, France
- 2006–2020 CNRS Senior Scientist (“Directeur de recherches”) CMAP, Ecole Polytechnique, France
- 2003–2020 Part-time professor at École Polytechnique (with an interruption in 2015-16)
- 2015–2016 “French Government Fellow” in Churchill College, Cambridge, UK
(awarded by Churchill College and the French Embassy in London, ~3 fellows/year)
working with Cambridge Image Analysis group, DAMTP, U. Cambridge.
- 1993–2006 CNRS Junior Scientist (“Chargé de recherche”)
CEREMADE, Université de Paris-Dauphine until 2003
CMAP, Ecole Polytechnique, since 2003.
- 1995–96 Post-Doctoral European fellowship, SISSA, Trieste (Prof. G. Dal Maso)
- 1990–1993 *PhD student* (Prof. J.-M. Morel), CEREMADE, Université Paris-Dauphine
- 1990–1993 Teaching Assistant “*Agrégé-Préparateur*”
Physics Department, Ecole Normale Supérieure, Paris.

Fellowships & awards

- 2024 Leader of the “PEPR-IA” project PDE-AI
- 2023 Plenary talk at the ICIAM 2023 conference (Tokyo)
- 2021 Prix Michel Monpetit / INRIA (French Academy of Science)
- 2017 Simons visiting fellow (September-October) in Cambridge.
- 2016 “Highly Cited Researcher”.
- 2015-16 French Government Fellow, Churchill College, Cambridge.
- 2008 SIAM Outstanding Paper Award with V. Caselles and M. Novaga.

Responsibilities

- 2021–present Member of the Committee of the graduate school “SDOSE” (PSL)
- 2020–present Member of the Scientific Committee of the PGMO,
- 2016–2020 Head of the Scientific Committee of the PGMO,
“Programme Gaspard Monge Pour l’Optimisation et la Recherche Opérationnelle”,
awarding research fundings, PhD awards, and organising a 2-days conference each November.
- 2016–2020 Member of the Scientific Committee of the “SMAF” (Head D. Talay).
- 2009-2014: Head of the CMAP, the applied math. lab. of Ecole Polytechnique and CNRS
(Centre de Mathématiques Appliquées, UMR7641 CNRS and Ecole Polytechnique)

Editorial activities

Editorial Activities: Editor of:

Interface Free Bound (EMS Press);

Associate Editor of:

JEMS (Journal of the Eur. Math. Society, EMS Press);

IMAJNA (IMA J. Numerical Analysis, Oxford);

ESAIM: M2AN (Math. Modelling and Numer. Analysis, EDP Sciences);

JMIV (Journal of Math. Imaging and Vision, Springer);

AMO (Applied Math. Optim, Springer);

IPI (Inverse Problems and Imaging, AIMS);

IPOLE (“Image Processing Online”, ENS Paris-Saclay).