



Sylvain Rubenthaler

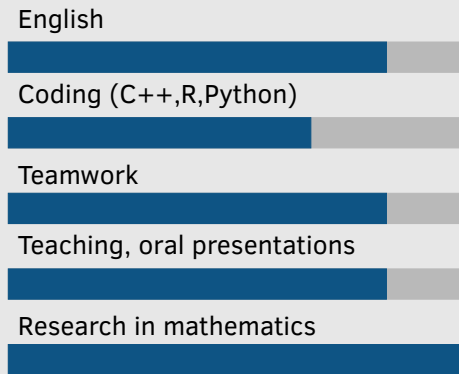
Maître de conférences UCA
(hors-classe, HDR)

- 25 novembre 1975
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About me

PACS, one daughter.

Skills(*)



(*)[Scale goes from 0 (basic level) to 6 (expert).]

Education

- 2010 Université Nice-Sophia Antipolis
Habilitation à diriger les recherches (HDR). Nice
- 1999-2002 Université Paris VI
PhD in applied maths (radar tracking and numerical simulation of jump processes). Paris
- 1997-1998 Université Paris VI
Master in probability, specialization in stochastic calculus. Paris
- 1996-2000 Normale Sup (rue d'Ulm)
"Agrégation" in mathematics. Paris

Publications

- 2003-2023 Twenty nine publications listed on MathSciNet.
- 2003-2022 Five course handouts (free access, licence CC BY-NC-SA 4.0) and a textbook.

Experience

- 2019-2023 Scientific consulting R&D
 - «Crédit impôt-recherche» agreement
 - "Auto-entreneur" (company name : Math-Innov)
 - Mathematic modelization with ExactCure on pharmacocinetics parameters identification problems.
 - Conception and implementation of a neural network predicting the power consumption of an electrical vehicle according to the driver's mood, for BeNomad.
- 2013-2016 PhD advisor. Enseignement
Stable algorithm for filtering in continuous time.
- 2005-2015 Ongoing collaboration with HEC Montréal. Research
Two papers.
- 2013-2018 Teaching management Administration
First year of the "mathematical engineering" master.
- 2010-2011 UBC. Research
Pacific Institute for the Mathematical Science, University of British Columbia, Vancouver (two papers)
- 2009 Invited professor (one month). Research
The Institute of Statistical Mathematics, Tokyo.
- 2008 Invited researcher (2 months). Research
SAMSI (Statistical and Applied Mathematical Sciences Institute), North Carolina. U.S.A.) and UNC (University of North Carolina at Chapel Hill) (un article)
- 2008 Semester at INRIA Sophia Antipolis. Research
Neurobiology project (dtwo papers).
- 2003-2023 Université Nice-Sophia Antipolis. Research and Teaching

Additional Informations

- Research field linked to applications : nonlinear filtering (radar tracking), particle algorithms (physics, mining industry), stochastic calculus for neurobiology, financial mathematics.
- Teaching in probability and statistics : time series, Monte-Carlo, machine learning at the university of Nice and at EDHEC.
- Versatile. I am experienced in various administrative tasks : recruiting, peer reviews, applying for grants (including CIR), etc.

Hobbies

Ski moutaineering and alpinism (founding memnber of «Team UCA Moutaineering» in my university). Guitar. Road bike.