



Sylvain Rubenthaler

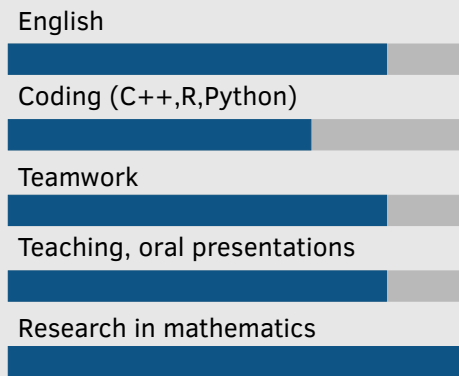
Maître de conférences UCA (hors-classe, HDR)

- 25 novembre 1975
- Laboratoire J. A. Dieudonné, Parc Valrose, Nice
- +33 04 89 15 06 58
- <https://math.unice.fr/~rubentha/>
- rubentha@unice.fr

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

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|-----------|---|
| 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

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|-----------|---|-----------------------|
| 2019-2023 | Scientific consulting - "Crédit impôt-recherche" agreement - "Auto-entreneur" (company name : Math-Innov) → Mathematic modelization with ExactCure on pharmacokinetics 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. | R&D |
| 2013-2016 | PhD advisor. Stable algorithm for filtering in continuous time. | Enseignement |
| 2005-2015 | Ongoing collaboration with HEC Montréal Two papers. | Research |
| 2013-2018 | Teaching management First year of the "mathematical engineering" master. | Administration |
| 2010-2011 | UBC Pacific Institute for the Mathematical Science, University of British Columbia, Vancouver (two papers) | Research |
| 2009 | Invited professor (one month) The Institute of Statistical Mathematics, Tokyo. | Research |
| 2008 | Invited researcher (2 months) SAMSI (Statistical and Applied Mathematical Sciences Institute), North Carolina. U.S.A.) and UNC (University of North Carolina at Chapel Hill) (un article) | Research |
| 2008 | Semester at INRIA Sophia Antipolis Neurobiology project (dtwo papers). | Research |
| 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.