

PERSONAL INFORMATION

Sébastien Proust



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Sex Male | Date of birth 20/12/1971 | Nationality French

POSITION

Researcher in river hydraulics, scientific coordinator of the hydraulics & hydro-morphology laboratory (<https://riverhydraulics.inrae.fr/outils/hhlab/>)

AREAS OF SPECIALIZATION

Open-channel hydraulics; fluid mechanics

RESEARCH TOPICS

Urban flood processes: <https://riverhydraulics.inrae.fr/en/research/urban-floods/>; flows through roughness elements; vegetated flows; shallow shear flows (mixing layers, Kelvin-Helmholtz instabilities); streamwise non-uniform flows; unsteady flows; water surface waves.

WORK EXPERIENCE

from Dec. 2005 to Mar. 2020

from Sept. 2019 to Mar. 2020

from Dec. 2000 to Nov. 2005

Researcher at RiverLy research unit

Scientific coordinator of the hydraulics & hydro-morphology laboratory

PhD student at Irstea & INSA

Thesis on the "Effects of variations in the floodplain width on compound open-channel flows"

from Jul. 1998 to Dec. 2000

from Apr. 1997 to Jun. 1998

from Dec. 1996 to Mar. 1997

Engineer at the Hydrology-Hydraulics research unit

Head of the Water Treatment Unit, Direction of Agriculture and Forest, Vesoul

Engineer at the Irrigation-Drainage Unit, Direction of Agriculture and Forest, Cayenne, French Guyana (Civil national service)

from 1995 to 1996

MSc internship at Irstea Grenoble

Thesis on the 'Physical modelling of debris flows'

EDUCATION AND QUALIFICATIONS

2019

'Chef de mission de l'Agriculture et de l'Environnement'

2015

Accreditation to supervise researches ('Habilitation à Diriger des Recherches'), University of Lyon

2005

PhD in Fluid Mechanics, National Institute of Applied Sciences (INSA), Lyon

1995

Master of Science (D.E.A) in Fluid Mechanics, University of Strasbourg

1995

Diploma of the French Engineering School 'E.N.G.E.E.S' (Ecole Nationale du Génie de l'Eau et de l'Environnement de Strasbourg)

LAST RESEARCH PROJECTS

DEAR ANR Project (2019-2022): 'Deposition and Erosion of fine sediments in Alpine Rivers'

DEUFI ANR Project (2019-2021): 'Detailing Urban Flood Impact'

FLOWRES ANR project 2015-2018 (<https://flowres.inrae.fr/en/>) 'Predicting the flow in the floodplains with evolving land occupations during extreme flood events'. Coordinator of the project.