Università di Genova

Jan Oscar Pralits

Full Professor

EDUCATION AND TRAINING

2003
PhD in Fluid Mechanics
Thesis title: Optimal design of natural and hybrid laminar flow control on wings
Royal Institute of Technology, Stockholm, Sweden

2001
Technical Licenciate in Fluid Mechanics
Thesis title: Towards optimal design of vehicles with low drag: Applications to sensitivity analysis and optimal control
Royal Institute of Technology, Stockholm, Sweden

1998
Master degree in Mechanical Engineering
Thesis title: LES of cold flow in the EV burner
The technical University of Luleå

PROFESSIONAL HISTORY

2024
Full Professor in Fluid Dynamics
University of Genoa

2018
Associate Professor in Fluid Dynamics
University of Genoa

2010
Lecturer in Fluid Dynamics
University of Genoa

ACADEMIC APPOINTMENTS

2023
Responsible for the Department Orientation and Tutoring Committee
Department of Civil, Chemical and Environmental Engineering

2018
Responsible for the Department Quality Assurance
Department of Civil, Chemical and Environmental Engineering

Università di Genova

EXPERIENCE

RECENT SEMINARS

2024

Short description, if any OrganizationMethods and applications for efficient solution of large optimal control problems
Symposium on Data Assimilation in Fluid flow, Beijing, China, August 21-23, 2024

2023

Numerical analysis in biofluid dynamics: eye, nose and blood vessels,Symposium on Data Ladhyx,
Ecole Polytechnique, Paris, France, September 7th, 2023

TEACHING OR RESEARCH POSITIONS (FELLOWSHIPS) AT FOREIGN UNIVERSITIES AND RESEARCH INSTITUTES

2023

Senior Resercher
LadHyX, Ecole Polytechnique, Paris, France

2015

Senior Resercher
LadHyX, Ecole Polytechnique, Paris, France

2015

Invited Professor
Université Paul Sabatier, IMFT, Toulouse, France

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

2025

Editorial Board Member
Meccanica

PARTICIPATION IN THE CREATION OF NEW BUSINESS ENTITIES (SPIN-OFFS), DEVELOPMENT, USE AND COMMERCIALISATION OF ACADEMIC PATENTS

2012

University Spin-off in the context of Computational Fluid Dynamics
www.wolfdynamics.com

CONFERENCE ORGANIZATION

2023

18th OpenFOAM workshop, 400 participants (openfoamworkshop.org)
University of Genoa, Genoa, Italy