Jean Bragard, Ph.D.

Professor, Department of Physics and Applied Mathematics
University of Navarra, Pamplona, Spain.
Phone: +34-627948392
Email: jbragard@unav.es
Web: https://jeanbragard.github.io/

Objectives	Interested in modeling and solving industrial and biomedical problems. Strong interest in Data Science and AI applications. Looking for scientific collaborations (in and out of Academia).
Education	1997 **Ph.D. in Theoretical Physics** (Fluid Physics) University Complutense Madrid, Spain. 1992 **Ms. Engineering in Mechanics & Physics** University of Liege, Belgium.
Work History	(2001-Present) **Permanent Faculty** at University of Navarra. (2000-2001) **Research Associate** Dept. of Physics, Northeastern University, Boston. (1999) **Research Scientist** Dept. of Physics, University of Liege, Belgium. (1997-1998) **Postdoctoral Fellow (European Union)** National Research Institute in Optics, Florence, Italy. (1997) **Visiting Fellow** Dept. of Mathematics, Israel Institute of Technology.
Awards	2018 **Fulbright Fellowship.** (University of Utah) 1997 **Duesberg-Bailly Fellowship.** (1994-1997) "**Marie Curie" Fellow (European Union).** 1991 **Pisart Fellowship.**
Summary of Qualifications	• Teaching expertise in Physics, Statistics and Applied Mathematics at undergraduate and graduate levels. • Highly Qualified Researcher. Have substantial experience in Mathematical Modeling of Physical and Biological Systems. • Strong background in Fluid Mechanics, Nonlinear Optics, Material Science and Biophysics. • Interrelate well with people at all levels. • Multi-lingual: Fluent in English, French, Spanish, and Italian. • Full CV available at: https://jeanbragard.github.io/cven_jbragard.pdf
Capabilities	**Teaching** • Preparation and delivery of lectures at all University levels (Undergraduate & Graduate courses). • Personal tutoring of students; expertise in "online" teaching. • Direction of several Undergrads, Masters & Ph.D. students. **Computer Skills** • Experience in developing codes from scratch in C/C++, FORTRAN, MATLAB, Python, R, Bash, Mathematica,… • Experience in programing parallel computers (MPI). • Modern statistical analysis and ML of Biomedical data.
Accomplishments	• Created computer codes for modeling of Fluid Mechanics (porous media), Nonlinear Optics, Crystal growth and Cardiac electro-mechanics dynamics. • Have more than 65 publications in international scientific journals.