GEORGES OPPENHEIM

EXPERTISE

Expert in Modeling, Optimization, Computerized and Statistical Data and IA Analysis.

PROFESSIONAL EXPERIENCE

Problem solving in cooperation with technical and research departments of large and small businesses.

- Aérospatiale: control of the Ariane launcher (Research): IA and optimal control.
- EDF (since 2001): consumption forecast. Wavelet signal analysis.
- EDF: climate extremes. GDF: pricing models. Trends, seasonal trends and wavelets.
- AirParif: pollution analysis and forecast of extreme values.
- Renault: (since 1998) design and analysis of Computer experiments. Car Crash. Model Reduction. Autonomous automotive analysis.
- GE. (2017). Consumption Modeling.
- Total/Hutchinson: Enhancement of the quality control by acoustic approaches.
- Total: Math. Direction Scientifique. (since 2002). Text-Image by deep learning.

METHODS & DOMAIN

Signal Analysis and System Control. Wavelets. Medical Imaging.

Data Analysis. Planning of Experiments. Data Mining and Marketing. Extreme values. AI. Reinforcement Learning. Causal Methods.

Forecast and Model Process. Statistics and Finance. Monte-Carlo Particle simulation.

PAPERS

Author of a hundred scientific papers (Mathematics, Probability, Statistics, Control theory and Signal Processing, Optimization) and technical reports. PHD supervisor.

Book "Wavelets and their Applications." Matlab™ software (Wavelet Toolbox) world wide sold by the MathWorks.

Book on Long Memory Processes. Book on Probability.

Organizer of Scientific Congresses. Designing and implementing training and teaching courses (one is a University BSc. in Data Mining. The last one on Deep Learning).

COMPANY

CEO. DO-ϕ, a fintech startup.

- Professor of Mathematics. Emeritus. Laboratoiry: Mathematics. Proba and Stat. Orsay- Sacclay Univ. .France
- Consultant in Mathematics since 2000.
- Doctor (Etat) in Mathematics..
- Master in Psychology.

ADVISES

I am efficient to bring out questions, to design data collecting, to model quantitative and qualitative information. My technique mixes optimization, probability, statistical and signal processing, and presently Deep Learning.

E-MAIL georges.oppenheim@gmail.com 45, RUe Croulebarbe • 75013 PARIS. tel. +336 2082 1415