



**Ph.D Fellowship
CREST, ENSAE Paris
Institut Polytechnique de Paris
*Palaiseau, France***

Categories/Specialties:

Empirical Industrial Organization
Structural Econometrics
Applied Game Theory
Energy & Environmental Economics
Electricity Markets

Deadline: 03/31/2020

ENSAE Paris is the leading French *Grand École* in Data Science and Economics. The Paris-based group of CREST is a very active research lab organized jointly with researchers in economics, finance, quantitative sociology and statistics from ENSAE Paris, École Polytechnique and CNRS.

CREST runs a PhD program in Economics within the Institut Polytechnique de Paris that includes ENSAE Paris, Ecole Polytechnique and three other top-tier engineering schools (*Grandes Écoles*).

We are inviting applications for a 3-year fully funded PhD fellowship starting in September 2020. The fellowship corresponds to a gross monthly payment of about 2000-2100 euros (conditional on teaching 64 hours of classes per year at ENSAE Paris).

We are looking for passionate economists interested in applying quantitative techniques and data analysis methods to the study of energy markets, investment in renewable technologies, and environmental policies. The ideal candidate will have a strong background in quantitative methods (economic theory and econometrics) as well as some abilities in computer science (Python, Matlab, Cplex).

The position is financed by the Agence National de Recherche (ANR) project on *Economic Sustainability of the Future Highly Renewable European Energy System*, a research partnership between several public institutions and EDF R&D. The thesis will be focused on modelling strategic decisions in energy markets. The doctoral student will work with Peter Tankov (Professor

of Finance, ENSAE Paris; peter.tankov@polytechnique.org) and David Benatia (Assistant professor of Economics, ENSAE Paris; david.benatia@ensae.fr) with the Economics department at CREST.

Applicants should provide the following documents: Cover letter, CV, and letters of reference. Applications must be submitted to david.benatia@ensae.fr by 03/31/2020.

In addition, applicants have to be admitted to the PhD program in Economics at CREST and need to send the same application package as well as copies of the grades achieved in their master degree (check the application process and the relevant deadlines on the program's webpage: <http://phd-in-economics.com>). Selected applicants will later be invited to present their project to the PhD admission committee (at CREST or by Skype).