

Quantitative Research Assistant

Program on Energy and Sustainable Development (PESD)

Stanford University

The Program on Energy and Sustainable Development (PESD), a program within the Freeman Spogli Institute for International Studies (FSI) at Stanford University, seeks a Quantitative Research Assistant to work with the Program Director, Frank A. Wolak, Professor of Economics, and other scholars in economics, business, law, and political science on quantitative analyses of energy and environmental issues. Jobs tasks include statistical and econometric analysis, mathematical programming (linear and nonlinear), stochastic simulation modeling, and writing technical research papers and policy briefs.

The ideal educational background is a bachelor's degree in quantitative economics, operations research, or a science or engineering discipline that provides the necessary technical training. The candidate must have exceptional mathematical and statistical modeling and computer programming skills and a willingness to use them in innovative manner. The candidate should have a working knowledge of the basics of economics and finance and the technologies of energy production and consumption and the environment impacts of these processes, as well as a willingness to learn more about these subjects as the need arises. The candidate should be able to work comfortably and effectively within an inter-disciplinary research environment with scholars in economics, political science, law, and engineering related to energy and environmental issues.

The position is for a maximum of 2.5 years (if the candidate starts immediately) with the possibility for renewal. The ideal candidate should have an interest in a quantitative Ph.D. program and a research career. Salary is competitive with skills and experience. Position is ideal for someone with strong quantitative skills and a willingness to learn new skills and participate in inter-disciplinary research on important public policy issues on energy and environmental issues. Research assistant will work closely with scholars in PESD, as well as scholars in the Economics Department, Law School, Graduate School of Business, and Political Science Department at Stanford. Start date for position is as soon as possible.

To apply please send the following to (wolak@stanford.edu) no later than December 1, 2009:

1. A letter that includes: A description of your familiarity with programming languages (C, FORTRAN, etc.) various statistical and computer packages (e.g. SAS, STATA, MATLAB, etc); A brief description of your experience as a research assistant and with any independent research (a senior honors thesis) and well as evidence of work within a research team; The names of two or three references (and their contact information). At least one reference should from someone for whom you have worked as a research assistant.
2. A current CV
3. A transcript