Recruitment Associate/full professors
School year 2012-2013

Short profile	Economy of energy, water and natural resources		
Category	Associate Professor	**Job number**	695
Posted	*26-1*		
Field of expertise	**Section 1 : 05**		
	Section 2 : *63*		
Position available	Sept 1st, 2012		
School to which the position is attached	Ense³		
Associated Research lab	**G2ELab working at EDDEN lab**		
Location	Grenoble		
Contact *(mail – tel)*	Teaching: delphine.riu@grenoble-inp.fr tel : 04 76 82 62 83 Research: : patrick.criqui@upmf-grenoble.fr tel : 04 56 52 85 73 Nouredine.Hadj-said@grenoble-inp.fr tel : 04 76 82 71 98		

Grenoble INP, Grenoble Institute of Technology has been training engineers, and PhDs, and developing outstanding international research for the past hundred years. As a public Higher Education Institution and a leader in innovation, it is one of the preferred partners of the industrial world. As a cofounder of MINATEC, and an active member of Grenoble Innovation University, it is involved in international projects. Grenoble INP, Grenoble Institute of Technology is made up of approximately 1100 staff (administrative and academic), 6 engineering schools, 5400 students and 32 Research labs.
Lien internet Grenoble INP

School to which the position is attached

Ense³ – Energy, Water and Environment is part of Grenoble Institute of Technology. Owing to its outstanding scientific environment and its pioneering activities linked with hydroelectricity, Grenoble has always been in the forefront of the development of new technologies in the field of energy and water management. Taking full advantage of this background, the Ense3 school trains high-level engineers and PHDs able to take up the challenges associated with the new energy order, with the increasing demand of water, both in quantity and quality, and with the sustainable development and country planning.
Ense³ is composed of more than 1000 students (engineer and Master degrees), 100 permanent teaching staff, 350 temporary teachers (from research labs or industry), 50 persons as technical support
This school is very close from industry and research, as illustrated by technological platforms (PREDIS, IEE, …), used by the three partners (Industry, Research and teaching). This is the key point to insure up-to-date learning programs, adapted to industry needs and including the most recent technological evolutions.
Ense³ is open to the world and its challenges, promoting international mobility of the students as well as various origins.

www.ense3.grenoble-inp.fr

Teaching experience

The basic themes of Ense³, energy, water and environment, are all faced with the management of the natural resource. The economic and regulatory policies are determining and can be specific drivers for technological evolutions. It is therefore mandatory that the engineer students are trained in these particular aspects

The associate professor will be in charge of the coordination and the animation of all courses related to the economy of energy, water and environment, in the department "Energy Systems and associated Markets".
He will be associated in the partnership with "Grenoble Ecole de Management", specifically the diploma "Management and Marketing of Energy"

Associated research lab

The EDDEN group (Economics of Sustainable Development and Energy) comes from the LEPII.

Its research focuses on three main areas:

- International energy markets
- Economics of climate policy
- Technical change induced by environmental constraints

Major collaborations in the field of energy are carried out with the laboratory G2ELab, especially the team system and power grid. The professor will act as the main link between the two groups.

http://lepii.upmf-grenoble.fr/spip.php?rubrique40

www.g2elab.grenoble-inp.fr

Research experience

The Grenoble research quality on energy is well established. This moving sector, deeply impacted by environmental constraints, needs strong interactions between several disciplines, including economics. The person will contribute to common activities with the Grenoble research groups in the following areas:

* Economics of the exploitation of different energy sources, taking into account both non-renewable resources and renewable sources (conditions of resource sustainability, intermittence of sources, impact of new technologies …).
* Organization of industries acting on international markets of resources or equipment. Economic modeling of energy systems. Organization and regulation of energy network industries
* Econometric Analysis and modeling of energy demand

He will also develop similar approaches in the field of water and analyze the impact of environmental economics on these two themes.

L**Details of the position, specific requirements and responsibilities**

None

Languages

English, French preferred but not mandatory

Keywords

Applied economics, Environmental economics, Local public economics, Energy, Water