

Postdoctoral Researcher Sustainability of Water Technologies

Company:

Ecole Polytechnique, Chaire Technology for Change

Location:

France / Paris

Discipline:

Sustainability of Water Technologies

Employment Type:

Fully funded Postdoc position for a period of one year

Posted:

2022-07-26

Contact Person:

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Postdoctoral Researcher Sustainability of Water Technologies

École Polytechnique - Chair Technology for Change

Recruitment: one full-time Postdoctoral researcher (École Polytechnique / Chair Technology for Change)

Description: postdoctoral researcher sustainability of water technologies

We are looking for a motivated postdoctoral researcher to work with us on a project to research, reflect, and understand the environmental sustainability of water-related technologies. The project is set in the domain of sustainability management and requires a strong empirical logic. The challenge of water scarcity is increasingly salient for companies leading to develop initiatives to improve their water footprint. We aim to understand the sustainability of relevant technological systems. The project involves quantitative and qualitative methods (surveys, interviews and focus groups). It might also involve some natural language processing. We further anticipate to involve companies in the research.

The candidate will be involved with an ongoing research project and will therefore be closely interacting with professors from the Chair, Ecole Polytechnique and its research centers. The outputs of research include the co-production of manuscripts for submission to peer-reviewed journals, and a white paper with other researchers.

Profile

- Disciplinary expertise in fields such as corporate sustainability, organization studies, sustainability, or social-ecological systems, technology, innovation management.
- Doctoral degree with no more than two years of experience after completion of Ph.D.

- Strong methodological interest and skills
- Fluency in English
- Ability to work independently

Applications will be reviewed on a rolling basis.

Conditions of employment

The Postdoc position is fully funded for a period of one year, with a possibility of extending for another year. The candidate can start between September and December 2022.

How to apply

Please submit the following documents in single pdf file:

1. Motivation and background for applying
2. Curriculum Vitae
3. A synopsis of your research and List of Publications
4. Names of two referees (no recommendation letters are needed to apply)

Applications should be sent by email at technology-for-change@ip-paris.fr (please indicate “Postdoc Application / Sustainability of Water Technologies” as the subject of your email).

Please contact Assistant Professor Pilar Acosta (pilar.acosta@polytechnique.edu) with any questions about this project or the vacancy.

Chair Technology for Change

The Chair “**Technology for Change**” is the first research and teaching chair at the Institut Polytechnique de Paris.

Established in 2021 with the purpose of researching the interrelationship between technology and sustainability, founded as part of a 5-year partnership program led by Accenture, this chair aims to strengthen the links between science and technology, on the one hand, and the major environmental, social and economic challenges, in order to promote development of virtuous and inclusive technologies.

Eight researchers, 5 doctoral students, 3 postdocs and 3 administrative staff are currently members of the team.

The Chair's offices are located within the Drahi-X Novation Center of the École Polytechnique, which hosts the X-UP incubation program, the X-TECH accelerator, the X-F4B prototyping space, as well as than the innovation teams of large companies (Fujitsu, Valeo, etc.).

Ecole polytechnique - Institut Polytechnique de Paris

Founded over 225 ago, **École Polytechnique** is one of the oldest STEM higher education institutions in the world.

One of the famed French “Grandes Écoles”, and consistently ranked as the best STEM HE institution in France, École Polytechnique has been ranked 2nd best “small universities” in the World (behind CalTech) by the Times Higher Education for the third year in a row.

It is also ranked 2nd in France and 15th best European University in the 2020 QS World University ranking, 4th worldwide in the THE Alma Mater Index 2017 (global business elite education) and 6th

worldwide by Nature's "Nobel Prize Alma Mater" institutions.

Located in 'Greater Paris' on a 160+ hectare campus, École Polytechnique is now a part (and a founding member) of **Institut Polytechnique de Paris (IP Paris)**, along with four other leading "Grandes Écoles": ENSTA Paris, ENSAE Paris, Télécom Paris and Télécom SudParis.

It provides attractive training programs, guaranteeing excellent employability and targeting a variety of audiences: Bachelor's degree, Engineering cycle, Master's, Doctorate and executive education.

The Interdisciplinary Institute for Innovation

The Interdisciplinary Institute for Innovation (i3) is a joint CNRS research unit (French National Research Council - UMR 9217) bringing together laboratories of École polytechnique (CRG), Mines ParisTech (CERNA, CGS and CSI). The Institute (85 researchers, 52 associate researchers, 21 postdocs, 120 Ph.D. students) develops high-level research reconciling academic excellence and relevance for research users. Research is often carried out under contracts with companies, associations or public administrations (3.9 million in revenue in 2011). The Institute also has 8 corporate chairs. Through its research and training activities, i3 participates in tackling the major challenges: the dissemination of information technologies, health, innovation, energy and sustainable development.

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