JOB ANNOUNCEMENT

Maître•sse de Conférences (Assistant/Associate Professor) of
computational sociology of work

Télécom Paris: A Leading School for Innovation

Télécom Paris, one of France's prestigious Grandes Écoles, is a founding member of Institut Polytechnique de Paris and ranks among France's top 5 general engineering schools. As part of the IMT (Institut Mines-Télécom), its historic significance is attested by the creation of the term "telecommunications" within its walls in 1904.

This public institution ensures its students excellent employability across all sectors and leads in the entire digital domain, from hardware to applications. Télécom Paris's mission is to design, innovate, and develop digital models, technologies, and solutions that benefit society and the environment. The school actively promotes an environment conducive to student and faculty development while pursuing an ambitious social and ecological transition plan. It actively works to increase female representation among research professors and reduce gender disparities.

Located in Palaiseau, Télécom Paris sits at the heart of the Institut Polytechnique de Paris campus alongside other Grandes Écoles including École Polytechnique, ENSTA, Télécom SudParis, and ENSAE. Its human-scale, inclusive campus has a strong international presence. The school maintains close industry ties and operates an incubator in Paris at the core of France's startup ecosystem.

Télécom Paris serves as a living laboratory for major technological and societal challenges: artificial intelligence, quantum computing, IoT, cybersecurity, large-scale digital infrastructure (Cloud), 5G/6G, and Green IT. Through excellence in teaching and innovative educational approaches, it nurtures a unique innovation ecosystem, emphasizing both project-based learning and interdisciplinary research. Research activities are conducted in two laboratories: the i3 laboratory (Institut Interdisciplinaire de l'Innovation - CNRS UMR 9217), a leading social and economic sciences center of the CNRS, conducting multidisciplinary research in collaboration with École Polytechnique and Mines ParisTech; and the LTCI laboratory, recognized by HCERES as a flagship unit in digital sciences with significant international influence.

Research context for the advertized position

The Department of Social and Economic Sciences (SES) at Télécom Paris has been a key part of the institution for over four decades, reflecting its long-standing commitment to integrating social sciences into engineering education. Within this department, sociology has been a cornerstone, building the school's national and international reputation in social sciences. Recent faculty departures have created an opportunity to realign the department's focus with emerging trends in engineering education and research.

Globally, there is increasing student interest in studying the social aspects of technology, particularly regarding economic and environmental challenges, including AI-related risks. This shift demands a transition toward data-driven sociology and advanced mixed methods (including ML modeling, NLP, and large-scale socio-digital network analysis).

This faculty renewal represents an opportunity to elevate social science research at Télécom Paris, following prestigious models like the Oxford Internet Institute, Cambridge's CRASSH, and Berlin's Weizenbaum Institute. The aim is to produce leading research on societal changes driven by digital technologies, focusing on: - AI's impact on work and public policy - Intersection of ecological and digital transitions - Evolution of social relationships

This approach is already yielding results, with publications in major journals (Big Data and Society, Internet Policy Review) and conferences (FAccT, AIES, CHI), and faculty members contributing to EU AI policy frameworks.

Job Description

This is a permanent position as Assistant/Associate Professor, based at Télécom Paris (Grande École), Institut Polytechnique de Paris. The successful candidate will also be appointed as Research Associate at i3 (Institut Interdisciplinaire de l'Innovation), a research unit of the French National Center for Scientific Research (CNRS). This is a permanent academic position under French public law.

The successful candidate will conduct research and teach in the sociology of work, using computational social sciences approaches. The position involves the following key research activities:

- Contribute to the department's research themes, particularly in areas of organizations, work, environment, and AI

- Apply diverse research methodologies including qualitative and quantitative approaches, network analysis, digital trace analysis, and computational sociology

- Engage with international research networks and collaborations

Duties related to teaching include:

- Deliver courses in general sociology, digital sociology, and Science and Technology Studies (STS)

- Integrate computational methods into social science education

- Contribute to curriculum development in digital social sciences

While French language skills are not required at the time of hiring, candidates should demonstrate a willingness to learn French to participate fully in the academic community.

Requirements

Applicants should hold a PhD in either Sociology or Computer Science. Candidates from related social science fields (Economics, Philosophy, Information Systems, Media Studies, Law, or Anthropology) or relevant computer science specializations (Human-Computer Interaction, Social Computing, Machine Learning for social data analysis, or Data Science) are also encouraged to apply.

Candidates must demonstrate a proven track record in research project design and execution, including international experience. The position requires expertise in diverse research methodologies, including qualitative and quantitative approaches, network analysis, analysis of digital platform data and user interactions, and computational social science methods.

How to Apply

To help prepare your application for this position, *we strongly encourage* you to contact **Prof. Antonio Casilli** and **Dr. Tiphaine Viard**. Their email addresses use the format [firstname][dot][lastname]@telecom-paris.fr.

Applications should include the following:

- A cover letter

- A detailed CV (max 2 pages)

- A list of publications

- A report detailing your research activities, teaching experience, and administrative duties (max 4 pages)

- A description of your research work, including main results and future research plans (max 4 pages)

- A summary of your university teaching and executive education experience along with a brief presentation of the courses you plan to develop (max 4 pages)

- Copies of your 3 best publications

- Names and contact information for two academic references who can provide informed opinions about your application

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Key Dates

- **February 17, 2025, 12 PM CET**: Submission deadline for applications.

- **April 10, 2025**: Job interviews with shortlisted candidates.

- **September 1, 2025 (or as soon as mutually feasible)**: Position start date.