

**Post-doc position in Industrial Engineering and Management (H/F) –  
Fixed-term contract - 12 months**  
Mines Saint-Étienne, Henri Fayol Institute, LIMOS UMR 6158

### Context

Mines Saint-Etienne (MSE), one of the graduate schools of Institut Mines Télécom, the #1 group of graduate schools of engineering and management in France under the supervision of the Ministry of the Economy, Industry and Digital Technology, is assigned missions of education, research and innovation, transfer to industry and scientific, technological and industrial culture.

MSE consists of 2,400 graduate and postgraduate students, 480 staff, a consolidated budget of €46M, three sites on the Saint-Etienne campus (Auvergne Rhone-Alpes region, Lyon Saint-Etienne metropolitan area), a campus in Gardanne (SUD region, Aix Marseille metropolitan area), a site in Lyon within the digital campus of Auvergne Rhone-Alpes Region, six research units, five teaching and research centres and one of the leading French science community centres (La Rotonde €1M budget and +40,000 visitors per year). The Times Higher Education World University Ranking ranked us for 2022 in the 251-300 range for Engineering and Technology. Our work environment is characterised by high Faculty-to-Student, Staff-to-Faculty and PhD-to-Faculty ratios, as well as comprehensive state-of-the-art experimental and computational facilities for research, teaching and transfer to industry.

Website: <https://www.mines-stetienne.fr/>

Mines Saint-Etienne is recruiting a Post-doc in industrial engineering and management for 12 months in the framework of the project RAMP-UP II – Supporting agile ramp-up and ramp-down in service and manufacturing industries”<sup>1</sup>. RAMP-UP II contributes to addressing the limitations of state-of-the-art approaches for agile, resilient and sustainable manufacturing and service industries, in particular in uncertain situations such as crisis context. The project is funded by the German-French Academy for the Industry of the Future (GFA) within the programme “Resilience & Sustainability - Maturation phase”.

The proposed position is open within the GMI (Mathematical and Industrial Engineering) department of Henri Fayol Institute with research activities developed as part of the Laboratory of Computer Science, Systems Modelling and Optimization (LIMOS). Founded in 2011, the Henri Fayol Institute, brings together academics in industrial engineering, IT, environment and management to work on the theme of the global performance of companies. The Laboratory of Computer Science, Systems Modelling and Optimization (LIMOS), is a Mixed Research Unit (UMR 6158) in computer science.

### 1) Candidate profile

The candidate, who holds a **PhD in industrial engineering or equivalent (received before 01 November 2023)**, with skills in one or more of the following fields, industrial engineering, industrial management, quality management, information systems, enterprise modelling, data analysis. English will be the main used language in the project.

### 2) Missions

The Post-doc will conduct research activities within the framework of the RAMP-UP II project with a focus on agile and resilient processes. The activities may involve various approaches depending on the Post-doc background, e.g. enterprise modelling, simulation (e.g. discrete event, multi-agent, hybrid),

<sup>1</sup> <https://www.future-industry.org/research/advanced-manufacturing/ramp-up/>

data analysis, operations research. The Post-doc missions will be conducted as part of the activities of ODPS axis (Decision Tools for Production and Services) of LIMOS, which relate to Operations Management.

### **3) Assessment criteria**

The main evaluation criteria are the following (non-exhaustive list):

- Scientific production: publications in indexed journals and conferences
- Research experience and contribution to producing deliverables, collaborations
- Fluency in English

### **4) Recruitment conditions**

- Candidates must hold a doctorate or a recognized qualification at least equivalent to the national diploma required.
- The missions will be carried out in the Saint-Etienne (42) Campus of Mines Saint-Etienne.
- The duration of the contract is a 12-month fixed-term contract
- Remuneration will be set according to the candidate's profile, in line with the rules defined by the Institut Mines Télécom's management framework.
- "Catégorie II - Métier P - Post doctorant"
- Desired start date: **01 November, 2023**
- **External applicants :**  
Minimum recruitment criteria  
- PhD or equivalent

### **5) Application procedure**

The application file includes the following:

- Application cover letter
- Curriculum vitae outlining research activities, and where appropriate relations with economic and industrial sectors
- Recommendation letter(s)
- Copy of the Doctorate diploma (or PhD)
- Copy of an identity document

Applications must be submitted on the RECRUTEE platform by **18 August 2023** at the latest via the following link: <https://institutminestelecom.recruitee.com/o/postdoc-position-in-industrial-engineering-and-management-hf-fixedterm-contract-12-months>

Candidates selected for an interview will be informed promptly and the interviews of the shortlisted candidates will take place before **September 15, 2023**.

Positions offered for recruitment are open to all, with accommodations available on request for candidates with disabilities.

### **6) Further information**

For further information concerning the position, contact:

Project coordinator

Khaled Medini, Tel: +33 (0) 4 77 42 93 17, E-mail: [khaled.medini@emse.fr](mailto:khaled.medini@emse.fr)

For further administrative information, contact:

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