Recruitment 2026 on job support

Etablissement : INSA de ROUEN	*Localisation : Le Havre*

Identification du poste		
	Nature : Associate professor N°: 0039 Disc. CNU : 60	Composante : Département : GCCD Laboratoire : LMN

Etat du poste		
	■ V : vacant □ S : susceptible d'être vacant	Date de la vacance : 01/09/2026

INSA Rouen Normandie is a public scientific, cultural, and professional institution under the authority of the French Ministry of Higher Education and Scientific Research. INSA Rouen's missions are: initial and continuing education for engineers, research excellence, and the dissemination of scientific culture.

The Civil Engineering and Sustainable Construction Department (GCCD) is an internal structure within INSA whose mission is to provide initial and continuing education for general engineers in the field of civil engineering.

The Laboratory of Mechanics of Normandy (LMN) is physically located on the premises of INSA Rouen Normandy, on two sites in two Normandy cities: Rouen and Le Havre. The laboratory's activities are related to the quantification of uncertainties, risks, and the reliability of structures, but its scientific achievements can also be contextualized in other fields, such as logistics, industrial engineering, and telecommunications. Most of its activities concern structures in their environment, taking into account interactions with the ground, fluids, and surrounding fields.

The laboratory's scientific project focuses on taking into account uncertainties in solid mechanics and structures, considering their environment, with an emphasis on risk quantification and the integration of various multi-physical couplings into structural models. Some of the experimental activities focus on fatigue and random vibrations, while the theoretical and numerical activities focus in particular on modeling structures in their environment. The laboratory's work is of great interest to industry, as demonstrated by the involvement of industrialists in the laboratory's research projects.

The position open for competition is located in a restricted area, pursuant to Article R413-5-1 of the Penal Code. The successful candidate will be required to complete an application form to gain access to this area.

Short profile title (maximum 300 characters):
Civil Engineering and Sustainable Construction courses – research in LMN-INSA laboratory

Research fields EURAXESS :

- Civil engineering
- Structural Analysis
- Soil-Structure Interactions
- Reliability > Structural Reliability
- Optimization
- Stochastic Modelling
- Uncertainty quantification

TEACHING PROFILE:

The successful candidate will be assigned to the Civil Engineering and Sustainable Construction Department (GCCD) at INSA Rouen, which is partially relocated to Le Havre and whose degree is awarded in partnership with the University of Le Havre. This person will provide teaching services in the department by delivering general or optional courses in Civil Engineering and introductory courses in Civil Engineering at the INSA undergraduate level (STPI). Most of the department's teaching activities take place at the INSA site in Le Havre (which hosts the first two years of the department's engineering program), with options in the fifth year. The successful candidate will be required to participate in all of the department's teaching activities, particularly those taking place in Le Havre and Saint-Etienne du Rouvray. They will also be required to participate in teaching for the “Civil and Urban Engineering Performance – PERF GCU” apprenticeship program in conjunction with the GCCD department.

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RESEARCH PROFILE:

The successful candidate will join the Laboratory of Mechanics of Normandy (LMN, UR3828). The activities will be in line with the laboratory's main areas of focus. These include taking uncertainties into account in the study of mechanical systems, as well as modeling, dimensioning, and reliability of structures in their environment. More specifically, this position is linked to the institution's priority areas and the specific focus of the Le Havre branch, which is centered on civil engineering and structural reliability. The context is that of the interaction of structures with their environment (soils, fluids, dynamic loads) and the development of solutions that take alternative materials into account.

The research will focus on the reliability of structures when subjected to various environmental, dynamic, and random stresses. The aim is to take into account hazards and uncertainties in the context of degradation or fatigue phenomena. The use of artificial intelligence tools is also expected, particularly for the dimensioning and optimization of numerical models or the analysis and interpretation of data associated with the issues addressed.

The successful candidate will be required to fit into this research area, which corresponds to the laboratory's expertise and is based on skills recognized by the scientific community. They will propose an integration project showing their ability to meet the objectives of the laboratory's scientific project and to broaden its scope. The project will also demonstrate scientific skills, in particular through the development of a network of collaborations (national, European, and international projects, industrial partnerships).Ces travaux pourront s'appuyer sur des outils de simulation avancés, de modélisation numérique ou d'analyse de données, en lien avec les problématiques liées à la fatigue et aux incertitudes, et intégrer des approches émergentes telles que l'intelligence artificielle dans une perspective de compréhension et d'optimisation du comportement structurel.

Particular attention will therefore be paid to the candidate's integration plan, demonstrating the ability to meet the set objectives and to fit into the laboratory. The person recruited may also propose directions that could contribute to the development of the laboratory's scientific axis. The development of collaborations with academic or industrial partners, the setting up of structuring projects, and involvement in the laboratory's scientific outreach will also be valued.

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