Main activities

- Determination of the contours of the monitored structures on video images. The first studies will consist in adapting and testing existing methods, in particular an algorithm already developed by the team in other application contexts, particularly suitable for low-resolution images.
- Estimation of the motion signal of the structure to be monitored.
- Vibration analysis, including robustness analysis in case of low signal-to-noise ratio.
- Experiments in an IFSTTAR laboratory in Nantes, as well as on real-world structures (wind turbine blades, bridge structures, etc.).

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The keys to success

Master of science degree in image and signal processing, with good skills in applied mathematics. Knowledge of mechanical vibrations would also be appreciated.

Conditions for application

Thank you to send us these documents by applying online:

- updated CV
- cover letter
- letters of recommendation
- degree transcripts

Defence Security

This position is likely to be situated in a restricted area (ZRR), as defined in Decree No. 2011-1425 relating to the protection of national scientific and technical potential (PPST). Authorization to enter an area is granted by the director of the unit, following a favourable Ministerial decision, as foreseen in the decree of 3 July 2012 relating to the PPST. An unfavourable Ministerial decision in respect of a position situated in a ZRR would result in the cancellation of the appointment.

Recruitment Policy

As part of its diversity policy, all Inria positions are accessible to people with disabilities.

Warning: you must enter your e-mail address in order to save your application to Inria. Applications must be submitted online on the Inria website. Processing of applications sent from other channels is not guaranteed.
turbine mast, gantry, bridge).

Benefits package

- Subsidised catering service
- Partially-reimbursed public transport
- Social security
- Sports facilities

Remuneration

Gross salary: 1982 euros