

Post-doctoral fellowship

Statistical energy analysis in sound and vibration

The “Centre Lyonnais d’Acoustique”, CeLyA, has been funded in 2011 as a “Laboratoire d’Excellence” by the French Ministry of Research. CeLyA proposes a post-doctoral position of 12 months in structural acoustics. The objective of the research is to clarify the assumptions of statistical energy analysis, a theory of sound and vibration based on the application of statistical physics to vibration. The research will be mainly theoretical and numerical.

The applicant must be trained and have a PhD in acoustic modelling or statistical physics and must have a substantial experience in programming in Fortran, C, matlab or python. The applicant must have published articles in English.

The work will be conducted by two teams in Lyon, France: The Laboratory of Vibrations and Acoustics (LVA) at INSA-Lyon and the Laboratory of Tribology and Dynamics of Systems (LTDS) at Ecole centrale de Lyon. Both teams are internationally recognized for their skills in high frequencies in vibroacoustics.

The applicant can contact us by email and should send us a CV, a short cover letter and the copy of a selection of articles (written by the applicant).

Employer: Labex CeLyA

Location: Lyon, France

Net salary: ~2000€/month

Duration: 12 months

Beginning: From January 2017

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<http://celya.universite-lyon.fr/>

<http://lva.insa-lyon.fr/en/>

<http://ltds.ec-lyon.fr/spip/?lang=en>