

Proposition d'un post-doc de 12 mois dans le domaine du contrôle actif: CSTB Grenoble

Call for post-doc position, January 2009

Field

Active control applied to room acoustics

Duration

12 months

Term of appointment

As soon as possible

Location

Centre Scientifique et Technique du Bâtiment, Grenoble, France

Description

This post-doc position will be integrated within the Room Acoustic Group of the Acoustic and Lighting department of CSTB. CSTB has acquired strong knowledge in active sound control and successfully developed several products in this domain.

The proposed position will be related to the technology of electroacoustic systems which are used to improve the acoustics of performance halls. The main objective will be the development of a method for achieving automatic stabilisation and equalisation of the electroacoustic system. Programming of numerical tools for testing the developed method will be required. The method will be validated through comparison with in-situ experimentation.

Collaborations

Laboratoire de Mécanique des Fluides et d'Acoustique, Ecole Centrale Lyon

Required qualification

Candidates should possess a PhD degree and have a strong interest in conducting research with theoretical, numerical and experimental aspects. They will have to exhibit autonomy in their work and responsibilities. Strong skills in acoustics and signal processing are required and experience in the field of active control would be helpful. Fluent spoken English or French is necessary.

Compensation

~2700€/ month

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