Open Post-doc position in vibration mitigation with intelligent absorbers
ECOLE POLYTECHNIQUE DE BRUXELLES

Job description
The objective of this project is to develop intelligent absorbers for mitigating vibrations of aerospace structures. Besides being efficient over a large range of frequencies, the absorbers will also have to require low power consumption, and to be fail-safe. In order to reach this goal, it is foreseen to combine active damping with piezoelectric shunts.

The research will be conducted in close collaboration with other researchers from the University of Liège (Prof. Gaetan Kerschen), and will include both the development of innovative solutions and experimental validations on aerospace structures.

Profile
The Post-doc candidate should preferably hold a PhD in mechanical engineering or mechatronics, and should have a strong knowledge in vibration theory and in the modeling of electromechanical and piezoelectric systems.

Interested?
Applications should be sent directly to Prof. Collette (ccollett@ulb.ac.be) and should contain a cover letter presenting the motivations, a detailed curriculum vitae and the name, affiliation and email address of at least three referees.

Salary: Approximately 2300 € after tax.
Duration of the grant: 2 years.
Starting date: Summer 2017.

For more information:
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http://beams.ulb.ac.be