Internship / Dipl. Thesis: **Flip-Over Noise – Experimental**
Reference FON/0801

BELGIUM

Company: Robert Bosch Produktie N.V., Tienen, Belgium

Department: EAB4, advanced development / calculation / simulation wiper blade

Description of the company: the name Robert Bosch stands world-wide for innovation and quality. With about 195.000 associates we are represented in more than 140 countries world-wide. In Tienen/Belgium is located the wiper blades R&D centre for fundamental research in the domains of Aerodynamics/Structures/Noise, development of new products, applications on real cars.

Duration: 6 months

Start Date: as soon as possible

Allowance: 700 Euro/month

Short Description:

- Perform experimental investigation to find the basic physical mechanisms and noise related most important parameters behind flip-over noise of a wiper blade
    - Modal analysis of a windscreen / Transfer path analysis
    - Optimization of test bench
    - Correlation of experimental results at test bench and real cars to simulation
    - Identify critical noise-related parameters

Required skills:

- Last year Dipl./Master degree mechanical/Mechatronics engineering / Physics
- Analytical skills / Basics of acoustics and vibration / experience in measuring systems/ Good knowledge of Matlab.
- Ability to work independently and good communication skills
- Proficient English (written and spoken), German is a plus.
- Applicant having a EU-country nationality (possibility to receive "Leonardo Da Vinci" financial support from EU, besides Bosch allowance)

Contact:

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For more info, visit:
www.bosch.be
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