Internship / Dipl. Thesis: **Flip-Over Noise – Optimization**
Reference FON/0802

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 (possibility to receive "Leonardo Da Vinci" financial support from EU, besides Bosch allowance)

Short Description:

- Sensitivity studies and Rubber profile optimization for Flip-over noise reduction
    - Improve sensitivity study and optimization used techniques
    - Design of Experiments on FEM transient model for identification of critical noise-related parameters
    - Perform sensitivity studies and optimizations
    - Improve automation of simulation procedure
    - Correlation with experimental results

Required skills:

- Last year Dipl./Master degree mechanical/Mechatronics engineering / Physics
- Analytical skills / Basics of optimization theory / Basics of acoustics and vibration / experience with FEM/ Good knowledge of Matlab mandatory.
- Ability to work independently and good communication skills
- Proficient English (written and spoken), German is a plus.
- Applicant having a EU-country nationality

Contact:

- Mr. Marcello Bubba (EB-WS/EAB4, Tel. +32 16 804-288, Marcello.Bubba@be.bosch.com)

For more info, visit:
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