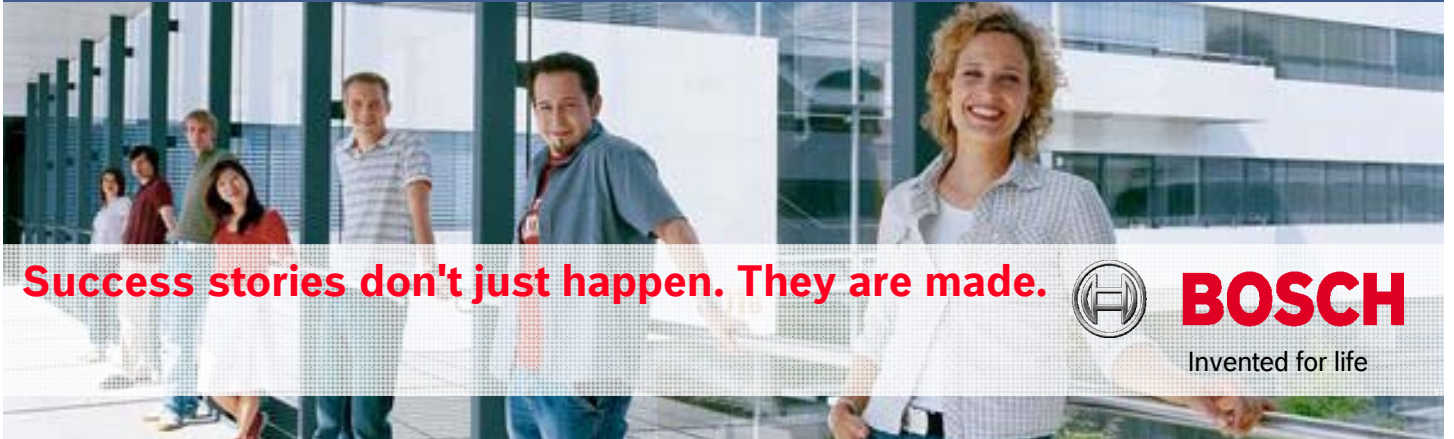


Internship / Student Grant

In Research & Development, Tienen - Belgium.



Success stories don't just happen. They are made.



BOSCH

Invented for life

The division Electrical Drives is technology leader in electrical and mechatronical systems and applications in automotive. In Tienen – Belgium Robert Bosch Productie N.V. is the worldwide lead plant for production of wiper blades and arms. This plant is situated 30km east of Brussels and is the biggest plant for wiper blades in the Bosch Group. Daily production volumes of wiper blades is 350.000.

In Tienen/Belgium is also located the lead engineering R&D centre for research in the domains of Aerodynamics/ Structures/ Noise, development of new products and applications on new cars related to wiper systems.

Your task:

- Development and experimental validation of a closed loop simulation model simulink/simmechanics for the NVH investigation of a wiper system
 - Implementation of wiper blade component and screen interface in existing simulink/simmechanics model in collaboration with the University of Pisa (Italy)
 - Comparison of simulation accuracy with experimental results and with existing ADAMS model
 - Improve in/out interface for sensitivity and optimization tool (optiSLang)
 - Sensitivity studies and built of sensitivity knowledge matrix

Your Profile:

- Bachelor/ Master student in mechanical engineering / Mathematics/ Informatics
- Strong analytical skills / Good knowledge of Matlab/ Simulink mandatory
- Proficient English (written and spoken), German (reading) is a plus
- Applicant having a EU-country nationality (possibility to receive Erasmus/ “Leonardo Da Vinci” financial support from the EU Lifelong Learning Programme, besides Bosch allowance). Position also open as post-degree grant.

Start: March 2012

Duration: 6 months

Apply to:

Mr. Marcello Bubba (EDA-WS/EGS1, Tel. +32 16 804-288, Marcello.Bubba@be.bosch.com)

For more info, also visit:

www.bosch.be

www.tienen.be / www.leuven.be

http://ec.europa.eu/education/lifelong-learning-programme/doc78_en.htm

Electrical Drives



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