

## Vacancy

### Electro-Mechanical Design Engineer (M/F)

**Company:** FMTC, Belgium: [www.fmtc.be](http://www.fmtc.be)

**Department:** High-Productivity Machines Department

**Reporting to/hierarchy:** Team Leader High-Productivity Machines Department

**Function details:** This person will work in the High-Productivity Machines department and will analyze electrical drive motor combinations for varying load profiles of customer machines to optimize the energy efficiency. He/she will define and develop methodologies and (software) tools to offer to the FMTC member companies to help them define optimal drive motor configurations for different machines and applications.

He/she will help organize and liaise the different aspects of the projects both externally and internally and will work in close collaboration with experts from FMTC's industrial partners and have regular contacts with mechatronics experts from knowledge centres in Belgium and abroad.

#### **Expectations for this role include:**

- Be able to work in a timely and structured way
- Be able to handle multiple projects at a time
- Be able to work both independently and in a team
- Become a specialist as a researcher in the domain of mechatronics in an industrial environment
- Share ideas and knowledge with colleagues and customers

#### **Education and qualifications:**

- PhD or equivalent by experience in Power Electronics and Control or Electro-Mechanical Engineering with a broad technical background
- In depth knowledge of electrical drive systems and their controls
- Broad interest and broadly skilled in the domain of electro-mechanics and mechatronics
- Ideally you have already worked on similar projects. Publications on previous research results are a plus
- Familiar with MS Office programs

#### **Personality and mentality:**

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- Very sociable person with very good communication skills (internal and external contacts).
- Able to translate research results towards industry.
- Born pioneer
- Willing to share knowledge
- Proactive, creative and innovative person with vision.
- Passionate about electro-mechanics and mechatronics
- Analytical mind and able to synthesize.
- Respectful and trustworthy.
- Dynamic and enthusiast.
- Hands-on.

## **Languages:**

- Fluent in English (oral and in writing).
- Willingness to learn the Dutch language.

## **Mobility/travel:**

Approximately 5% of the time will be spent in traveling mainly in Flanders, Belgium

## **Job specificities:**

- New function.
- Full time.
- Permanent employment.
- Location: Heverlee (Leuven), Belgium.
- Starting date: September – October 2008 (or ASAP).

## **Offer:**

- Good financial conditions in line with your responsibilities
- Extra-legal benefits
- Challenging and varied job with a lot of industrial interactions in an informal atmosphere

## **Available education/training:**

Possibilities for further education and on the job training.

## **Career opportunities:**

Possibility to grow towards a top scientist in an industrial environment

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**Interested?**

You match the requested criteria for min. 80%?  
Then send your application to [cv@scienceco.eu](mailto:cv@scienceco.eu),  
mentioning reference BE-11JUL2008

*You have questions? Contact us, we are eager to help you!*

***Tel.:*** +32 2 400 75 12