

# Application Procedure

## PhD program „Embedded Microsystems“

The Faculty of Engineering at the University of Freiburg, Germany, with its two Departments of Computer Science and Microsystems Engineering is building up a strong team of PhD students within the frame of the „Embedded Microsystems“ PhD program. The program began on April 1, 2005. It is financed by the German Research Foundation (DFG, Deutsche Forschungsgemeinschaft) and supported by three partner companies. In the long term the team will consist of up to 14 PhD students.

Currently, several PhD positions and one post-doc position are open to be filled. The PhD positions address candidates with excellent Master or Diploma degrees or equivalents in the fields of Computer Science, Microsystems Engineering, Mathematics, Electrical- or Mechanical Engineering, Physics, or similar. The post-doc position is dedicated to candidates with a PhD degree in the same fields.

The PhD students are employed based on the German collective labor agreement for civil services according to the TV-L E13 pay scale, initially granted for 2 years, with the option of a third year.

### What we offer:

- A hot topic of interdisciplinary character and high scientific and industrial relevance
- Excellent technological, analytical, and computational infrastructure
- An elaborate learning/teaching program combining the strengths of the two participating Departments of Microsystems Engineering (IMTEK) and of Computer Science (IIS)
- Guidance by a team of two supervisors for each PhD student
- Integration into the scientific and social network of IMTEK (ca. 300 collaborators) and IIS (ca. 220 collaborators)
- Opportunities to interact with guest lecturers and scientists and to spend part of your work in partner labs abroad
- Complementary training activities by local small and medium enterprises

### What we expect:

For admission to the PhD program „Embedded Microsystems“, fulfillment of the general requirements of the PhD regulations of the Faculty of Engineering at the University of Freiburg is a prerequisite. In addition we expect

- Exceptional achievements in your studies
- Straightforward and fast completion of your studies
- A convincing interview with potential PhD advisors of the PhD program

Once you are admitted to the PhD program, we expect that you

- attend the seminars and workshops of the PhD Program, including active participation and presentation
- proactively seek the communication and exchange of ideas with your fellow students and with your supervisors
- publish your results at conferences of your field of research and in the archival literature

### **How you apply:**

If interested, please submit your application both electronically and as a hardcopy. Both versions should be submitted to the chair of the PhD program:

Prof. Dr. Wolfram Burgard  
Chair, PhD program „Embedded Microsystems“  
Institute of Computer Science  
Georges-Köhler-Allee 079  
D-79110 Freiburg, Germany  
Phone: +49-761-203-8026  
Fax: +49-761-203-8027  
E-mail: burgard@informatik.uni-freiburg.de

### **Information you are expected to provide:**

Please include in your documents:

- A cover letter explaining your interests and why you think embedded microsystems are important.
- The official application form, filled out and signed
- Your curriculum vitae
- Your degree certificates and study transcripts including a description of the grading scheme
- The abstract of your diploma or master thesis
- A list of your publications, if available
- Addresses of two references to be potentially contacted and, if available, letters of recommendation
- Tangible proof of your fluency in English, if available

For further information, please contact the Chair of the PhD program (cf. above)