

# Application Form

## PhD program „Embedded Microsystems“

Please complete this form and send it together with the required documents (cf. next page) both electronically and as a hard copy to the chair of the PhD program:

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

Prospective supervisors (at least one non-binding proposal is required).

The executive committee of the PhD program reserves its right to propose another supervisor.

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| <input type="checkbox"/> Prof. Dr. B. Becker<br>Chair of Computer Architecture           | <ul style="list-style-type: none"><li>• Project B.1 - Defect based test methods for digital components – resistive opens</li><li>• Project B.3 - Robust algorithms in the presence of imperfect resources – image processing</li></ul> |
| <input type="checkbox"/> Prof. Dr. M. Bennewitz<br>Chair of Humanoid Robots              | <ul style="list-style-type: none"><li>• Project C.2 - Sensor data fusion and navigation for embedded microsystems</li></ul>  |
| <input type="checkbox"/> Prof. Dr. W. Burgard<br>Chair of Autonomous Intelligent Systems | <ul style="list-style-type: none"><li>• Project C.2 - Sensor data fusion and navigation for embedded microsystems</li><li>• Project E - Cluster of embedded microsystems</li></ul>   |
| <input type="checkbox"/> Prof. Dr. Y. Manoli<br>Chair of Computer Architecture           | <ul style="list-style-type: none"><li>• Project A.1 - Analysis and development of reconfigurable analog circuits</li><li>• Project A.2 - Application specific microcontrollers</li></ul>   |
| <input type="checkbox"/> Prof. Dr. O. Paul<br>Chair of Microsystem Materials             | <ul style="list-style-type: none"><li>• Project B.2 - Self-diagnosis and self-calibration of embedded microsystems</li><li>• Project C.1 - Magnetic microsystems for localization and control applications</li></ul>                   |
| <input type="checkbox"/> Prof. Dr. L. Reindl<br>Chair of Electrical Instrumentation      | <ul style="list-style-type: none"><li>• Project C.3 - Miniaturized positioning sensor systems for small scale flying robots</li><li>• Project D.3 - Ad-hoc-ready autonomous wireless microsystems</li></ul>                            |

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| <input type="checkbox"/> Prof. Dr. C. Schindelbauer<br>Chair of Computer Networks and Telematics | <ul style="list-style-type: none"> <li>• Project D.2 - Wireless sensor network protocols for mobile and dynamic scenarios</li> </ul>                        |
| <input type="checkbox"/> Prof. Dr. C. Scholl<br>Chair of Operating Systems                       | <ul style="list-style-type: none"> <li>• Project A.3 - Real time operating systems for embedded microsystems with limited resources</li> </ul>              |
| <input type="checkbox"/> Prof. Dr. P. Thiemann<br>Chair of Programming Languages                 | <ul style="list-style-type: none"> <li>• Project A.4 - Programming of sensor networks</li> </ul>  |
| <input type="checkbox"/> Prof. Dr. G. Urban<br>Chair of Sensors                                  | <ul style="list-style-type: none"> <li>• Project C.4 - Development of thermal microsystems for material-independent flow- and gas sensor systems</li> </ul> |
| <input type="checkbox"/> Prof. Dr. U. Wallrabe<br>Chair of Microactuators                        | <ul style="list-style-type: none"> <li>• Project C.1 - Magnetic microsystems for localization and control applications</li> </ul>                           |

Please include the following documents to your application:

- A cover letter stating your interests and why you think embedded microsystems are important
- Your curriculum vitae
- Your degree certificates and study transcripts including a description of the grading scheme
- An 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

Your curriculum vitae is requested to include at least the following pieces of information:

- Family name, first name, and name at birth (if different from family name).
- Academic title, nationality.
- Date and place of birth
- Affiliation address, if applicable, including phone and fax numbers
- Private address, including phone and fax number, if available
- Email address and URL, if available
- Academic grades including: date, title, name and place of university, final grade and grading system
- Bachelor, Diploma, or Master thesis information including: topic, advisor name, date, name and place of university, grade and grading system
- Additional scientific and professional activities, awards

I assert the correctness of all the information enclosed.

In case of my admission to the PhD program „Embedded Microsystems“, I assert I will

- attend the seminars and summer/winter schools 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

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Place and date

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Signatur