University of Hertfordshire
College Lane
Hatfield
AL10 9AB
United Kingdom

Embedded Systems and Real-time Computing

Dr. Raimund Kirner (r.kirner [@] herts.ac.uk)

We welcome applications of PhD studentships in the domain of concurrency engineering of multi-core applications. The Compiler Technology and Computer Architecture group includes an Embedded Computing activity, with the focus of bridging the gap between Embedded Computing and Parallel Computing. It collaborates with leading hardware institutions in academia and industry. Our involvement in research grants also offers students the experience to work with industry. Graduates from our group are looked after by industry, working at renowned companies such as Intel. The University of Hertfordshire is situated in Hatfield, just north of London.

We can offer several topics in the domain of *Embedded Systems and Real-Time Computing*, which are, for example, related to the following topics:

- Design and implementation of time-predictable computing systems

- Programming models for mixed time criticality

- Worst-case execution time analysis

- Measurement-based timing analysis

- Performance and energy efficiency of parallel programs

- Fault tolerance and dependable computing

For more details of our research activities and publications in that area please read further at:
https://go.herts.ac.uk/Raimund_Kirner

Applicants should have good analytical skills and being fluent in at least one 3rd generation programming language, such as C++, Java, ML, C, etc. Knowledge of embedded or real-time computing is a plus.

Successful candidates are eligible for a PhD studentship awarded by the University of Hertfordshire, with a bursary of about £ 14.553 per annum. A home student's fee will also be covered. Information about the current tuition fees can be found at
https://www.herts.ac.uk/study/fees-and-funding.

Application procedure:
To apply one needs to fill out an **application form** which has to be requested from and returned to Mrs Emma Thorogood, Tel: +44-1707-28-6417, Research Degrees Administrator, Doctoral College, University of Hertfordshire, College Lane, Hatfield, Herts, AL10 9AB, email: **e.thorogood [AT] herts.ac.uk**. The topic "Embedded Systems and Real-Time Computing" has to be given on the application form to reply to this post.

Please contact directly Dr. Raimund Kirner (r.kirner [@] herts.ac.uk) if you have any specific questions with respect to this research area.