



Doctoral student positions (8) in Helsinki Graduate School in Computer Science and Engineering

Helsinki Graduate School in Computer Science and Engineering (Hecse) is a joint graduate school of the University of Helsinki and Helsinki University of Technology. Hecse has three interrelated and cooperating thematic areas:

- The area of *Algorithms, Structures and Complexity* builds on algorithm design and mathematical methods, and focuses on foundational studies and innovative methods for novel applications.
- The *Pattern Analysis and Intelligent Systems* area researches methods for finding meaningful patterns from and modeling of large data sets, and building intelligent human-computer interfaces.
- In the *System Software* area the research concentrates on designing and implementing reliable and efficient system software such as operating systems, database systems, middleware, and compilers.

Hecse accepts new students to pursue their doctoral degree full-time in four years. The work starts on 1 January, 2008 at the earliest and is performed in the premises of the Department of Computer Science at the University of Helsinki or in one of the laboratories of the Department of Computer Science and Engineering at Helsinki University of Technology. The universities are using the new salary system. Graduate student positions have been assessed (in the teacher and research staff system) on the demand levels 1-3 (1 512.89 – 1 785.65 euros). In addition, a personal supplementary compensation of maximum 46 % may be added. It is to be phased gradually during the transition period.

The applicant is expected to have a Master or Licentiate degree, as well as an interest in scientific research and the work of a researcher. The applicants if accepted are expected to engage themselves in full-time research and study for four years. They are also expected to participate in the events organized by the graduate school. The progress of the research has to be reported periodically to the school.

The applicant should discuss the graduate school application with the current (or potential) supervisor within Hecse. *The supervisor must send a letter of recommendation* (e.g., by email) that must contain the supervisor's commitment to supervise the studies of the applicant in the Hecse graduate school, and if accepted, continuously monitor the student's research work. This letter of recommendation has to state the name of the applicant, the planned topic (or field) of the dissertation, the estimated date for the dissertation, and an outline of the financing plan in case the student is admitted to a non-funded adjunct position.

In addition to the required letter of recommendation from the supervisor, at most two other letters of recommendations can be sent to the Hecse Coordinator before the deadline. They can also be emailed directly to hecse-admin@cs.helsinki.fi.

Four (4) copies of the application must be submitted (the original and three other copies). They should be addressed to the Board of Hecse and contain (in English) the following items: signed application form, letter of introduction (max two pages), research and study plan for the whole period of PhD studies, CV with a list of publications, officially confirmed copies (in Finnish, Swedish or English) of most recent relevant diplomas, study transcript, financing plan, TOEFL certificate (for non Finnish students), and at most 3 most relevant scientific papers (if any).

The applications with appendices will not be returned. The applicant may be invited to an interview. More information and the application form are available on the school's web page at <http://www.cs.helsinki.fi/hecse/>. The application with attachments, all in four copies, should be sent to the Hecse Coordinator to arrive before 3:45 pm on 28 September 2007. Electronic applications are not accepted.

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