TUD Dresden University of Technology

Faculty of Computer Science

Study Regulations for the Doctoral Program in Computer Science

as of October 27, 2013

(Translator's note: The English version of these regulations uses gender-inclusive pronouns i.e. the "singular they" that includes all genders.)

§ 1
Preamble

The doctoral program in computer science serves to promote the skills of early-career researchers and their doctoral project. The doctoral program takes place alongside the completion of a dissertation. It does not affect other options of obtaining a doctorate.

The basis for the doctoral program, as for other paths to a doctorate, is that the doctorate leads to original scientific research results that are the outcome of a scientific research activity. The doctoral program is carried out subject to the doctoral degree regulations of the Faculty of Computer Science, as amended.

§ 2
Scope of application

The study regulations describe the objectives, content, structure and implementation of the doctoral program in computer science as well as the type and scope of the guidance provided by the supervising university lecturer.

§ 3
Study objectives

(1) The doctoral program leading to the Ph.D. has the objective of deepening the students' knowledge and skills with regard to a multifaceted personal development, and a qualified and goal-oriented training of early-career researchers, as well as of promoting the doctoral project.

(2) Doctoral students should be supported in the following aspects:
- acquiring the ability to plan research independently,
- acquiring the ability to conduct independent scientific research,
- acquiring the ability to advance a field of research through their own original scientific contributions,

- acquiring the ability to present the results obtained in a form suitable for publication,
- acquiring the ability to present and defend the results obtained to an expert audience, and
- acquiring knowledge that goes beyond the knowledge taught in university *Diplom* or Master's degree programs. This knowledge is a prerequisite for independent scientific research.

§ 4
Admission requirements

Students must apply for admission to the doctoral program. The Doctoral Committee of the Faculty of Computer Science decides on admissions to the doctoral program. Applicants must fulfill the requirements for being accepted as a doctoral student as stipulated in the doctoral degree regulations of the Faculty of Computer Science. The desired title in the case of doctoral studies is "Ph.D."

§ 5
Standard period of study

The standard period of study for the doctoral degree program is six semesters. Leave semesters are not taken into account.

§ 6
Organization of the doctoral program

(1) In order for students to achieve the objectives set out in § 3 (1), a study program is provided that includes in-depth courses and a research seminar.

(a) In-depth courses
Taking part in in-depth courses should enable doctoral students to acquire specialist knowledge in scientific fields that are crucial for successfully completing their dissertation project. Students should choose in-depth courses with a minimum total of 3 credit points, which will be completed by passing a subject examination.

(b) Research seminar
The research seminar with a total of at least 6 credit points is spread over at least two semesters and serves to teach students how to present their own research results and discuss other students' research projects as well as advanced research literature in a form that can be understood by the general public. In the process, students should engage in a discourse with their supervising Chair and, additionally, with several fields of computer science.

(2) The supervising university lecturer guides their doctoral students both during the research seminar and with regard to other courses the students may choose.

(3) During the doctoral program, the dissertation is completed in accordance with the requirements of the doctoral degree regulations.

§ 7
Conclusion of the doctoral program

The doctoral program is concluded once the required doctoral work has been completed in accordance with the provisions of the doctoral degree regulations of the Faculty of Computer Science and the academic degree of Doctor of Philosophy (Ph.D.) has been awarded.

§ 8
Entry into force and publication

This Study Regulations will enter into force on the day after publication in the Official Announcements of TUD Dresden University of Technology.

Dresden, October 27, 2013 The

Rector
of TUD Dresden University of Technology

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