

The IT University of Copenhagen

Vacant PhD Scholarships

The IT University of Copenhagen (ITU) invites applications for a number of PhD scholarships starting in September 2010. We are interested in applications that focus on one or several of the subject areas below.

Efficient solutions to computationally hard problems, algorithms for searching and analyzing of large amounts of data, databases and data mining, sensor networks and data management, algorithm engineering, experimental performance studies.

Automated reasoning, categorical logic, type theory, coordination languages, electronic voting, logical frameworks, models for concurrency, distributed and mobile computation, programming languages semantics, modular program verification, programming languages, static analysis of programming and modelling languages, workflow languages.

Tools, methods and processes for software development, including programming and modelling languages, requirements, architecture, empirical studies, and software for user interface design, pervasive computing and decision support.

Game aesthetics, game ontology, games and narratives, game culture, game play, player communities, games and human computer interfaces/game testing, game artificial intelligence, player (cognitive and affective) modeling, computational intelligence and games.

Computer supported cooperative work, science and technology studies, health care IT, organizations and IT, globalization and technology, mutual shaping of culture, organizations, people, and technologies, through practices of design and use.

Advanced and innovative communication trends, design and development of interactive technologies for senior citizens, methods of pragmatic inclusive design, user modeling, design and evaluation of assistive technology-user interface history, emerging body-centric and perception-centric techniques for human-computer interaction based on mobile tracking of eye-gaze, body posture, hand gestures, and everyday object manipulation and society.

Study of digital culture, digital media, mediated interpersonal communication and the way we use a variety of digital media in our everyday lives for social, practical and expressive purposes. We focus on the uses of mobile communication and online media, in both national and international contexts, addressing the interplay of local and global phenomena.

Scholarships:

Applicants accepted will be employed and enrolled at the IT University for a period of 3 or 4 years.

Appointment and salary will be in accordance with the agreement between the Ministry of Finance and the Danish Confederation of Professional Associations (AC).

For example, the basic salary of a 3 year PhD student amounts to DKK 24.745,18 per month.

The IT University of Copenhagen was established in 1999 and is one of the youngest universities in Denmark.

Approximately 1,500 students are enrolled in the university's courses. Since the establishment students with more than 100 different bachelor degrees have been admitted.

Researchers at the IT University work within six internationally recognized faculty groups. Most researchers participate in collaborative projects with private companies, public institutions and foreign researchers.

The IT University is currently working towards becoming a globally interactive university with faculty, students and staff working in international teams.

The IT University has a unique IT focus and expertise and constantly directs its efforts to ensure the quality and relevance of its research and educational programmes.

The IT University strives to deliver top quality research and education within a wide range of information technology subjects; from design and game development to business and science.

Go to guidelines for applicants
<http://www1.itu.dk/sw117103.asp>
For more information about the individual research groups, their research interests and specific PhD projects within their areas, please visit <http://www.itu.dk/research>
You are also welcome to contact individual members of the faculty directly for more information about the respective research areas.



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General information:

A successful applicant will be an excellent student capable of conducting research under supervision from the IT University's faculty members at the highest international level.

The PhD scholarships run for a period of 3- or 4-years depending on the university degree level of the applicant.

The following qualifications are required:

- 3 year programme: A Master's degree (5 years of University Studies) qualifies for a 3-year PhD program.
- 4 year programme: A Bachelor degree (3 years of University Studies) + one year (60ECTS) of MA exams. The 60 MA-level ECTS points must be transferable to one of the Master programs at the IT University.

One year of full time studies consists of 1680 hours and equals 60 ECTS points.

How to make a correct application:

Applications must be written in English. All other documents, such as transcripts must be accompanied by a translation in English if not already written in English or Danish. Transcripts that are not issued by a country of the European Union must be accompanied by a grade key or an explanation of your local grading scale (in English).

Read the Guidelines for Applicants carefully, and use the ITU application form when applying.

Enclosures 1-4 are mandatory

Enclosure 5 is recommended

Enclosure 6 is optional

1. Completed application form-must be enclosed in front of the application file
2. Statement of purpose (max. 5 pages)
3. Documentation of previous studies; transcripts, diplomas etc.
4. Curriculum vitae
5. Letters of recommendation and reference are recommended
6. Either the abstract of your MA-thesis **or** a selected publication

The statement of purpose must be authored by yourself and must include a research question and main goals, for your potential PhD project.

As an applicant you should specifically address whether or not you have needed disciplinary/methodological training.

The statement of purpose will be used to determine your abilities of critical thinking, analytical reasoning, and scientific writing.

Interdisciplinary approaches:

For PhD-applicants working with interdisciplinary approaches, including social sciences and humanities perspectives, the statement of purpose should also include a motivated choice of theory and method, and a suggestion of empirical basis of the research.



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All application material, including enclosures, must be submitted at the same time.
When you submit electronically, one merged file per applicant will be accepted in **PDF format only**.

Please note that ZIP files are *not* accepted and will be dismissed

Submit to e-mail: journalen@itu.dk Subject should be: **2009-225-0009**

Applications that arrive after the deadline will be dismissed, as well as applications sent to other e-mail addresses, than journalen@itu.dk

You may also submit your application in one non stapled compiled copy, A4-format including enclosures and appendixes.

IT-Universitetet i København
Att.: Journalen
Rued Langgaards Vej 7
2300 KBH. S.
Denmark

Marked: **2009-225-0009**

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| Application Deadline: 24 March, 2010 at 12.00 noon (local time) |
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The deadline is firm.

Applications as well as enclosures received at ITU after the application deadline will be dismissed

Questions regarding this call may be directed to individual faculty members, or the ITU PhD School phdadm@itu.dk, phone: +45 7218 5065

The IT University invites all qualified candidates irrespective of age, gender, sexual orientation, religious affiliation or ethnic background to apply for the scholarships.

After the deadline, a time schedule of the evaluation-, interviewing-, and hiring process can be followed via approximate dates on this homepage: <http://www1.itu.dk/sw120937.asp>