

IT-Benchmarking 2008

Departments

Name of parameter	IT-University	Department of Computer Science, Aalborg University	Computer Science, Århus	Informatics, DTU	DIKU, Copenhagen University
<i>Number of faculty</i>	37	36	50	69	32
<i>STÅ production</i>	518	222	319	732	244
<i>Number of refereed publications</i>	125	162	166	195	115
<i>Amount of external funding (spent)</i>	15 mill DKK	25 mill DKK	39 mill DKK	DKK 24 mill	17 mill DDK
<i>Volume of active Ph.D. students</i>	42	48	60	86	46
<i>Average extension of Ph.D. study</i>	-1,8 months (2 students turned in theses before time)	4.3 months	1	3,3 months for 2008 PhD candidates	3 months
<i>Ph.D. production</i>	9	3	8	14	7
<i>Number of int.l Ph.D. students</i>	20	22	10	27	9
<i>Self evaluation of dissemination</i>	The IT University has appeared 325 times in newspapers (an increase from 2007 of more than 30 %). We consider this	The department has only partial quantitative data on media appearance but has appeared at least 40 times (and probably considerably more) in national and local press /TV. In addition, dissemina-	Through our collaboration with the PR department of the The Alexandra Institute, we get good coverage in the media, especially	Citations for DTU Informatics publications have greatly increased from 805 in 2007 to 1173 in 2008 (4-year period). DTU Informatics is still working to set up new procedures for press exposure and the collections of these	DIKU has according to InfoMedia been referred to in Danish printed and online media on at least 30 occations during 2008, notably "virtualisation, PS2 and PS3, grid

	<p>to be very good.</p>	<p>tion is taking place on various platforms like Youtube, Facebook and LinkedIn. Besides media appearance the department is engaged in various initiatives targeted at e.g. prospective students like educational fairs, open doors, branding campaigns and a large amount of in-house and ex-house activities. The department has furthermore hosted thematic meetings, talks and conferences and is engaged in various cross-national initiatives like Future People, "Unge i IT", "IT-natten", "EduExperience" and "ITB-activities". The department organized the 4th European Workshop on Probabilistic Graphical Models (PGM).</p>	<p>coverage in media specializing in science and IT has been excellent. We are working to set up a system where every new research project agrees with our PR department on a dissemination plan ensuring that new results are communicated . We continue to be very active in outreach activities for high-school and grade school students, for instance via the "U-days" and "Natur i Teltet" events and the "IT-camp" that targets women in IT.</p>	<p>data. DTU Informatics has at least 80 "popular contributions" of various kinds and in various media. The faculty gives several presentations at high schools and participates in events such as "Forskningens Døgn" each year.</p>	<p>computing, optimisation of container fleet through advanced algorithmic as well as the inauguration of KUs' Experience Lab in December 2008. Moreover, appearances by DIKUs Head of Department on public TV (DR1/TV-avisen) and by Brian Vinter in DR1/P1). Only few press releases were prepared during 2008.</p>
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<p><i>Self evaluation of reputation</i></p>	<p>The IT University has had a very large number of applications to the faculty positions that have been announce (5-10 times as many applicants as positions). Furthermore, the IT University had more than 250 applications (most of them from qualified candidates) for 11 PhD scholarships. We take this as a sign that the international reputation of the IT University is growing, but there is still some way to</p>	<p>The department had 6 applicants for a full professorship, 7 applicants for an associate professorship, and 16 applicants for assistant professorships. The department hosts the two most cited Danish computer scientists (according to the Google Scholar h-index). One staff member was appointed IEEE fellow.</p>	<p>We have an excellent national and international reputation, as witnessed by the high publication rate and citation count of our researchers, as well as a steadily increasing amount of external funding. For two professor positions, we received a total of 12 very highly qualified applications. The number of admissions for our undergraduate studies continues to be high.</p>	<p>DTU Informatics has had 1 to 35 applicants for faculty positions, depending on the nature of the position. In general, IMM is able to attract more excellent applicants than can be offered positions, even in areas where competition from industry is hard due e.g. higher salaries.</p> <p>DTU Informatics participated in an international research evaluation in 2008/2009, and was evaluated to have "very successful sections that are highly visible and well developed to international standards". Overall the combination of mathematical modelling and computer science in one department was seen as very attractive, unique, and highly appropriate for dealing with the challenges of today's society. Special attention was given to the synergy effect of</p>	<p>DIKU has a strong international position within the research areas programming languages, combinatorial optimization, grid computing, medical image analyses and human-computer interaction. Also, DIKU researchers are well represented on editorial boards.</p> <p>During 2008, DIKU hosted 55 Talks and Seminars with external speakers, including 1 seminar related to E-science topics. The talks and seminars were successful and well visited.</p>
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	go before the IT University is considered among the very best departments (internationally).			the recent merger between smaller DTU units: "One particularly promising synergy lies in the combination of mathematical modelling with computer-based verification and analysis. There is hardly any place in the world so competent in both required techniques".	
<i>Volume of external student projects</i>	More than 50 % of all MSc theses and projects	Estimated at 25 % of student projects, over all semesters	15	70 % of all MSc theses	69
<i>No. of ext. funded Ph.D. students</i>	15	32	55	51	3

Universities

Name of parameter	IT-University	Copenhagen University (inkl. DIKU)
<i>Number of faculty</i>	37	104 ¹
<i>STÅ production</i>	518	257 ²
<i>Number of refereed publications</i>	125	337 ³
<i>Amount of external funding (spent)</i>	15 mill DKK	30 mill DDK
<i>Volume of active Ph.D. students</i>	42	92
<i>Average extension of Ph.D. study</i>	-1,8 months (2 students turned in theses before time)	2,3 months
<i>Ph.D. production</i>	9	14
<i>Number of int.l Ph.D. students</i>	20	19
<i>Self evaluation of dissemination</i>	The IT University has appeared 325 times in newspapers (an increase from 2007 of more than 30 %). We consider this to be very good.	IT-researchers from University of Copenhagen have had at least 190 appearances, mostly in printed and online media, but also appearances on congresses during 2008. This number is both including interdisciplinary researchers within the field of IT and another topic, and researchers from the Computer

¹ 16 departments from the faculties of Humanities, Pharmaceutical Sciences, Health Sciences and Science are represented.

² The STÅ-number does not refer to the faculty's STÅ production on a personal level, but instead to the IT study programmes in Datalogi, IT og sundhed, It og kognition, Bioinformatik and eScience

³ This This benchmark as well as the following benchmarks refer to the IT researchers from the 16 departments (103,6 persons). The number is based on 'Rektorkollegietal J1.1 and J1.3'

		Science Department, DIKU.
<i>Self evaluation of reputation</i>	The IT University has had a very large number of applications to the faculty positions that have been announce (5-10 times as many applicants as positions). Furthermore, the IT University had more than 250 applications (most of them from qualified candidates) for 11 PhD scholarships. We take this as a sign that the international reputation of the IT University is growing, but there is still some way to go before the IT University is considered among the very best departments (internationally).	<p>16 departments from University of Copenhagen are represented in this it-benchmarking. Their self evaluation of reputation differs a little, but the overall evaluation is a 'good and strong international reputation'. In some cases even 'outstanding'. This is reflected in: plenty of positions in editorial boards for international journals; Professor evaluations; co-arranged conferences; many networking activities; cooperation with industry etc. 'Attractive partner for industry' is often mentioned, reflected in a large number of external funded research projects. Moreover, the departments succeed in attracting highly skilled postdocs and Ph.Ds both nationally and internationally in 2008.</p> <p>The focus and the reputation regarding IT in an interdisciplinary context, as well as the number of STÅ and IT-students is expected to increase as the newly established bachelor programmes 'It og sundhed' and 'Kommunikation og it' take off.</p>
<i>Volume of external student projects</i>	More than 50 % of all MSc theses and projects	73 ⁴
<i>No. of ext. funded Ph.D. students</i>	15	32

⁴ This benchmark refers to the IT study programs at University of Copenhagen