

<b>Bilag 11</b>		
<b>Internationalisation: Proposals from ITU researchers</b>		
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<b>Cooperation in regard to research</b>		
<b>Theme</b>	<b>Proposed project</b>	<b>Further description</b>
Strategic alliances	Branch of international university at ITU	-
	Intercontinental research lab	Intercontinental research lab (applied new/unfamiliar research topic to another continent)
	Nordic centre of excellence / network (Programming, logic, FIRST)	Nordic centre, since it is easier to get post.doc.'s to move within the Nordic region
	Cooperation with Interactive Institute, Sweden	A privately held research institution which have much highly rated experience in interaction design
	Cooperation with Interactive Telecommunications Programme (ITP), NYU	An interaction design programme (both research and education) with an interesting portfolio
Cooperation with 3rd world countries	Establish permanent partnership agreements with institutions with matching research unities, and have regular exchange (not just one visiting researcher)	-
	Outsourcing of research to India and China	Leverage research by more people for the same price
EU projects	IT in a third world context	Multidisciplinary IT research applied to tackle pressing social AND technical problems.
	EUD tailorable systems	-
	EU project in mobile interaction	-
	EU project in augmented physical devices	-
	EU project on healthcare and IT	EU project, also involving colleagues in US and Canada
	Programming languages and software infrastructures for ubiquitous and service oriented computing	EU projects and/or collaboration with international companies and research centres (HP, Nokia, IBM, Microsoft Research)
	ITU should find partners to bid for more international projects funded by EU or similar	-
Industry-related cooperation	Motivate ITU researchers to participate in at least one EU project	-
	Collaboration with industry research, contact to leading industry labs	Since there is no industry research within IT in Denmark, it would be huge step forward to have close ties to some of the leading industry labs
	Programming languages and software infrastructures for ubiquitous and service oriented computing	EU projects and/or collaboration with international companies and research centers (HP, Nokia, IBM, Microsoft Research)
Subject-specific projects	Help young researchers sell their research ideas to business world	To help young researchers selling their research idea to business world
	Interregional project in interaction design	-
	Ethics of online worlds	What are the ethics of online communities, and how do they differ from offline communities? What are the possible values embedded in the design of interactive worlds?
	Design of newsgames	What are the practices, methods and concerns that the design and development of games for news corporations create
	Ethics of computer game design	Is it possible to apply the object-oriented framework of information ethics to the design of computer games?
	Model-driven development, generative programming	-
	Bigraphical programming languages	Researching how to use bigraphs for implementing programming languages
	Digital rights management	-
	Security	-
	Guidelines in healthcare	development of IT implementable guidelines, to be integrated as part of the hospital information systems

(Subject-specific projects)	Health care and technology	Technology adoption in health care and impact on the quality of care
	Participatory design in global software development	Building on previous good experiences with engaging users in open design dialogues that cut across usual phase-divided development processes
	Patients' self monitoring	Students are generally not in much substantial contact with the research activities at ITU, which is a problem for natives as well as foreign students coming to ITU. One reason is the physical layout of the building, where research departments are restricted areas with little visibility. Visitors (students and researchers alike) quite literally does not SEE the research taking place. The areas outside individual offices (kitchens, meeting tables ect) does not facilitate interaction across department divides and across student-researcher divides. The principal problem for internationalization is that it is difficult to engage with many of the research activities of ITU unless you know the involved people in the first place
	IT support for mobile work	CSCW vha. lokationsspecifikke, mobile teknologier
	Calculi for mobile ad hoc networks	Develop calculi to help model and analyse MANETS
	Security and performance in networked embedded systems	Model-based simulation and verification of networked embedded systems
	Data bases and string matching	-
	Computational biology	-
	User-centred design	-
	Location based services	-
	Universal access to information technology	-
	User interface history	-
	More common research projects (not EU-projects but smaller projects with partnering universities, e.g. on healthcare)	not EU projects, but smaller projects, dependent on the cooperation between more than one country - but some more aid for funding this kind of project, that should be made together with partnering universities
	Financial incentive from ITU or government to apply for international group research funds since EU applications seem cumbersome	-
Subject-specific projects with specific partners	Logistic optimisation	Logistic optimisation (Tokyo Univeristy)
	Configuration	Configuration (4C Center in Cork, Ireland)
	Constraint solving	Constraint solving (CMU, USA, KTH, Sweden)
	Computer vision	Computer Vision (San Fransico State University)
	Eye tracking	Eye Tracking (University of Navarra)
	Programming languages and software infrastructures for ubiquitous and service oriented computing	EU projects and/or collaboration with international companies and research centers (HP, Nokia, IBM, Microsoft Research)
International events at ITU	Ph.D. summer schools at ITU	ITU should try to host more Ph.D. summer schools and workshops since it provides Ph.D. students with a great opportunity to talk to prominent people in their field
	Summer interns at ITU	Set up at summer intership program and thereby attracting students from all over the world to learn about ITU
	Annual workshops at ITU based on international students' network	using international students' network
	Invite high-profile researchers to ITU	Invite high-level researchers regularly for talks, thus establishing closer contacts between ITU researchers and them, and thus making ITU visible locally due to them
	Make challenges within key research areas (e.g. a competition with prizes). This is almost free and often spawns a lot of interest	-

(International events at ITU)	Open research seminars at ITU	Starting a tradition for more open research seminars. When internationally distinguished scholars visit us, it is discouraging to see them invited to exclusive research seminars only. The buzz-talk could perhaps work well as a standardized format, where Fridays are set aside for a) an informal and intense research seminar during the day around a theme central to the guest (providing ECTS for Ph.D. students who present, and open to graduate students with relevant interests), followed by b) the public and formalized buzz-talk in the afternoon, plus c) optional hang-around with the perhaps-prominent guest in the scroll-bar
Networks	Open source software development	Research-based programming languages and libraries
	Specialised working groups, supported by video/online infrastructure	Supported by video-streaming and on-line conferencing infrastructure
	Cooperation with medical informatics institutes	In several universities institutes for medical informatics/Health It have been established, it would be nice with a more stable contact
	Collaboration in regard to STS (Science, Technology and Society)	ITU needs to collaborate with people and institutions, which have knowledge about the relationship between science, technology and society
	Network on health care studies	ITU needs to collaborate with people and institutions, which have knowledge about the relationship between society, technologies and citizens/patients. Research in health care IT at ITU needs to be informed by people who have done substantial studies within the field. Not just health care professionals and IT-people are required for a succesful undertaking of health care IT research area at ITU.
	Joint work on "big problems"	Make ITU a part of "grand" projects (with potentially high impact), that put ITU "on the map" and stimulates extensive collaboration
	European Research Training Networks	Take advantage of the EU Research Training Networks (Ph.D. training network)
Individual exchange	Policy for research sabbaticals abroad	ITU needs a clear sabbatical policy. Having sabbaticals is one of the key ways to foster cooperation and create deep international relations. Sabbaticals should be institutionalised, more to emphasise that it is in ITU's interest that faculty members go on sabbaticals abroad.
	Long term (6-12 months) exchanges with a number of relevant universities	-
	Sabbatical leaves for 6 months every 3 years	-
	Set up funds for sabbaticals (both for incoming and outgoing faculty)	International visitors are often here for only short stays. It would be good to set funds for outside faculty to take sabbaticals here, and vice versa.
	Free period every term to be used on internationalisation aspects (conferences, guests etc.)	-

(Individual exchange)	Encourage "micro leaves", i.e. periods of no more than one month in which a researcher is freed from administrative tasks so she can go to any other country with a specific goal in mind, for instance write a paper, or collaborate in a research project.	Such "micro leaves" could be funded by travel money, and could expand our network with other universities in a very dynamic fashion. Also, they require less previous work than larger leaves, and they are also significantly cheaper, both for the institution and for the researcher.
<b>Cooperation in regard to teaching</b>		
<b>Theme</b>	<b>Proposed project</b>	<b>Description</b>
Strategic alliances	Branch of international university at ITU	-
	Closer collaboration with Lund or Chalmers or IT-universitetet i Gøteborg	-
	Arctic IT: Help Greenland and Iceland / the arctic area develop IT study programmes	Help Greenland and the arctic area to develop IT educations, it seems that Søren Duus Østergaard has provided "sponsors" to support the initiative
	Icelandic IT in cooperation with Reykjavik University	Cooperate with Reykjavík Univ., it's a small univ. that can't offer many exciting study programs
Industry-related cooperation	Computer game design and development: Internships at game studios	The idea would be to cover those aspects that ITU cannot cover by partnering with other universities and game developers. The idea, quite vague at the moment, would be to partner both with a university and with a game studio, so our students could take an internship at a game studio, that would complement their studies at ITU, while at the same time it would give us a solid network with the game industry. Similarly, these internships can take place at other media, like newspapers or game-related websites, given the breadth of our students' backgrounds and our academic programme
	Exclusive master in Interaction Design for companies / Sweden + DK	-
	Internships abroad for BSc or MSc students	Help student find internships abroad
Joint degree programmes	Joint degree programme on Computer Game Design and Development	The idea would be to cover those aspects that ITU cannot cover by partnering with other universities and game developers. The idea, quite vague at the moment, would be to partner both with a university and with a game studio, so our students could take an internship at a game studio, that would complement their studies at ITU, while at the same time it would give us a solid network with the game industry. Similarly, these internships can take place at other media, like newspapers or game-related websites, given the breadth of our students' backgrounds and our academic programme
	Joint MSc degree on Social Informatics	Joint master's degree
	Erasmus Mundus programme on PLS	Erasmus Mundus programme on PLS with Birmingham and other EU institutions
	Exclusive master in Interaction Design for companies / Sweden + DK	-
	Joint MSc degree	one education, two (or better, one international) diploma
Teaching cooperation projects	Business or Software Engineering (groups interact internationally)	I imagine groups can interact internationally as companies would.
	Case work/consultancy with students from abroad	2 week preparation, 1 week seminar, 1 week reporting
	Organisational IT and CSCW	Students/teachers from different countries
	General courses with internationally recognised curriculum	Show lectures video-taped at e.g. Stanford at ITU with teacher assistance, e.g., Ph.D. students
	Joint on-line courses on any subject	-
	Digital rights management	-
	Security	-

(Teaching cooperation projects)	Networks	-
	Systems development	-
	Location based services	-
	Organisational IT and CSCW	Students/teachers from different countries
	Art projects which use televisuality and link places together, using them for courses etc.	-
	Produce teaching materials which are used internationally	-
	ITU students working on a project with students at another university	-
Student exchange	Computer game design and development: Student exchange	The idea would be to cover those aspects that ITU cannot cover by partnering with other universities and game developers. The idea, quite vague at the moment, would be to partner both with a university and with a game studio, so our students could take an internship at a game studio, that would complement their studies at ITU, while at the same time it would give us a solid network with the game industry. Similarly, these internships can take place at other media, like newspapers or game-related websites, given the breadth of our students' backgrounds and our academic programme
	Exchange students with SIIT Institute of Technology, Bangkok	Exchange of BSc and MSc students between ITU and SIIT, Thailand
	Student exchange network including all continents	-
	Organisational IT and CSCW (students/teachers from different countries)	-
	Short-term (1 or 2 weeks) exchange of master students (e.g. in regard to Healthcare and IT)	Could be one or two weeks of exchange of health IT students to a foreign health IT project
	Case work/consultancy with students from abroad	2 week preparation, 1 week seminar, 1 week reporting
	Set up student exchange opportunities in USA	At the moment, if students want to study for half a year in the States, they have to make their own contacts or go through their supervisors/lecturers. With a more formalised agreement with some chosen universities this process would be made easier
	Exchange of students	-
Teacher exchange	Fund studies for extremely good applicants	-
	Teacher swaps with other institutions	An ITU teacher goes to another university for a term, and one of theirs comes here to teach
	Long-term (6 months) teacher exchange programmes	
	Short-term (1 - 2 weeks) exchange of senior staff	One to two weeks of exchange with the purpose of giving lectures and holding workshops, as well as establishing stable contacts
	Have guests for a long period of time, and have time to cooperate with them, e.g. Ph.D. courses, joint articles etc.	-
	Make better use of guests, e.g. artist in residence (superflex in DIAC)	-
	Organisational IT and CSCW (students/teachers from different countries)	-
	Teaching/exchange between ITU and Gøteborg	-
International events at ITU	Exchange of teachers	-
	Copenhagen Summer School on HCI offered by HCI researchers in the CPH area	Make a "Copenhagen Summer School in HCI" together with other HCI researcher in the Copenhagen area - several people here has a pretty strong international reputation here.
	Competitions in key areas	-
	International Grad Schools	No description - proposed during brainstorming sessions

More courses in English	Having all courses in English would make it easier for foreign students to take courses here	-
	All teaching should be in English	-