

Foreløbig identifikation af ph.d. projekter på BYG.DTUs relation til fokusområder identificeret af DBR

MGE, 06 oktober 2006

		Fokusområde																							
		1 Effektivitet og økonomi							2 Æstetik, funktion og fleksibilitet				3 Miljø, arbejdsmiljø, indeklime				4 Rek., udd. FoU								
		1.1	1.2	1.3	1.4	1.5	1.6	1.7	2.1	2.2	2.3	2.4	2.5	2.6	3.1	3.2	3.3	3.4	3.5	3.6	3.7	4.1	4.2	4.3	4.4
BYG.DTU (homepage 29 September 2006. III.9, III.10, IV.5 added – others?)		1.1 værktøjer	1.2 Udbuds og kontraktformer	1.3 Robuste materialer	1.4 Videndeling	1.5 Benchmarking	1.6 Automatisering	1.7 Krav	2.1 Gode historier	2.2 smukke overflader	2.3 Levetsprojektering	2.4 Intelligente komponenter	2.5 Nanoteknologi	2.6 Fremme masteruddannelse	3.1 Videnudbredelse	3.2 Krav	3.3 Miljøneutrale delmaterialer	3.4 Udbredelse af SCC	3.5 Dokumentation for effekt på indeklime	3.6 Benchmarking systemer	3.7 Dokumentation for effekt på CO2-cyclus	4.1 Samarbejde mellem uddannelsessteder og	4.2 Krav til medarbejdere	4.3 Øge mængde og kvalitet af FoU	4.4 Koordinering af FoU
Current PhD projects																									
I	Section for Planning and Management of Building Processes																								
	1. Innovation in project-organised knowledge work: Facilitating the unfolding of competence among consulting engineers		?																						
	2. Integrating Lean Design and Lean Construction: Processes and Methods		?																						
	3. Theorising site management organizations		?																						
	4. Interorganisational Knowledge Processis in Construction - Knowledge and Practice in Partnering		?																						
II	Section for Structural Engineering																								
	1. Plasticity Theory applied to Seismic Analyses of Reinforced Concrete Structures	x																							
	2. Theory of Plasticity for Steel Structures																								
	3. Modelling and Experimental Verification of Reinforced Concrete under Blast Load	x	x					x					x												
	4. Modeling of Reinforced Concrete Applying Fracture Mechanics	x									x														
	5. Modelling of ECC Materials using Numerical Formulations based on Plasticity	x	x					x		x															
	6. Understanding and Simulating wind-induced vibrations of iced vertical cables																								
	7. Dampers for the vibration control of structural cables																								
	8. The properties and structural use of toughened glass																								
	9. Ultimate Strength of a Large Wind Turbine Blade																								
	10. Sustainable strengthening of concrete structures with CFRP	x	x					x		x							x					x	x		
	11. CFRP retrofitting of concrete structures	x	x					x		x							x					x	x		
12	Fracture Mechanics for Cement Paste and Mortar: Measurement and Modeling	x									x											x	x		
13	Modeling of interacting cracks in reinforced concrete structures	x									x														
14	Facetted glass shells																								

