Computer Architecture: A Quantitative Approach

Course year 1999-2000
Code: Et 4-074

Lecturer: dr. Henk Corporaal room 10.060, tst. 5021

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Day and date: Friday 10.45 starting November 12, and Monday 15.45 hour starting December 6.

Place: Elektro zaal E

Reading: 1. Computer Architecture A Quantitative Approach
John Hennessy and Dave Patterson; 2-editie, 1996
2. Reader with a few articles; will be distributed at the lectures

Prerequisites: Computer Architecture Et09-20 / Et2-020

Examination: Likeley an assignment

Course Program:

coll. nr.	day	date	subject	chapter
1	vr	12-11	fundamentals of computer design	1.1 – 1.9
2	vr	19-11	instructieset ontwerp & DLX	2.1 – 2.10
3	vr	26-11	pipelining I	3.1 – 3.5
4	vr	3-12	pipelining II	3.6 – 3.11
5	ma	6-12	advanced pipelining I	4.1 – 4.4
6	vr	10-12	advanced pipelining II	4.5 – 4.7
7	ma	13-12	geheugen hierarchy I	5.1 – 5.5
8	vr	17-12	geheugen hierarchie II	5.6 – 5.12
9	ma	20-12	papers I	
10	vr	24-12	papers II	
Christmas period				
11	ma	10-01	papers III	
12	vr	14-01	MOVE architecture	handout
	ma	25-01	Tentamination 14.00-17.00 zaal F/G	
	do	13-04	Tentamination 9.00-12.00 zaal HLO	

Remarks:

- Tentamination will likely be replaced by an assignment
- Three lectures are reserved for paper presentations. Each student has to study one literature subject and present an half hour talk about it. Slides should be made available (e.g. in postscript or, preferably, powerpoint).