

**ՔՐԾՈՍՆԵԳՏՈՒՔ ՅՓ
ԹՈՒՊԱՆՅԱԼ**

**ՓԻՆՊՅՈՒՄՈՒՄ ՅՓ
ՅՐԻՆՎՈՒՄՆԵՐՆԵՐԻՄ
ՅՐԳԱՃՐՅՅԵՆՃՐԳԱ ԻՐՈՒՆ
ՎՅՈՐՈՔՍՏՈՃՐԳԱ
(ՓՅԵ)**

ՈՒՆԵՑԱ ՄՈՒՊԱՆԻՆ, ՓՅԵ

Sveučilište u Zagrebu
Fakultet elektrotehnike i računarstva
Adresa: Unska 3, 10000 Zagreb
tel. Ured (01) 6129999
fax (01) 6129642
www.fel.hr

KISEK, Cavtat, 2007-09-03

University of Zagreb

Faculty of Electrical
Engineering and
Computing
(FER)

Mario Žagar, FER

KISEK, Cavtat, 2007-09-03

Universities in Croatia



University of Zagreb



- ❑ The University of Zagreb is the oldest Croatian university and the oldest university in South-Eastern Europe.
- ❑ The university was officially founded 23 September 1669 by Emperor and King Leopold I Habsburg who issued a diploma granting the status and privileges of a university to the Jesuit Academy of the Royal Free City of Zagreb.
- ❑ According to that document the study of philosophy in Zagreb acquired a formal and legal status as *Neoacademia Zagrabiensis* and officially became a public institution of higher education.

University of Zagreb

- ❑ 29 Faculties
- ❑ 3 Art Academies
- ❑ www.unizg.hr



The University in numbers

□ **65,000 students**

□ Since 1874

- more than 200.000 students graduated
- more than 18.000 students obtained masters degrees
- more than 8.000 students obtained Ph.d. degrees

Faculty of Electrical Engineering and Computing

- ❑ By decision of the Parliament of the People's Republic of Croatia of 26 April 1956, the former College of Engineering of the University of Zagreb (founded **1918**) was divided into four new faculties, one of them becoming Faculty of Electrical Engineering, which started its independent existence on July 1st, **1956**.
- ❑ The Faculty of Electrical Engineering (ETF - Elektrotehnički fakultet, in Croatian) existed under this name until February 7th, **1995** when it was renamed the Faculty of Electrical Engineering and Computing (FER – Fakultet elektrotehnike i računarstva, in Croatian).
- ❑ Curriculum changed 5 times since 1956.
- ❑ 6th (and biggest 😊) change in progress
- ❑ Computing introduced in **1970**.

FER in numbers

Students	~ 4060
Freshmen each year	~ 650
Graduating students each year	~ 350
Graduated since 1956 (Dipl.Ing.)	~ 14000
Graduated since 1956 (M.Sc.)	~ 1900
Graduated since 1956 (Ph.D.)	~ 500

FER in numbers: faculty & staff

- Total: 440
 - Lecturers: 121
 - Full professors: 45
 - Associate professors: 34
 - Assistant professors: 40
 - Other lecturers: 2
 - Assistants and researchers: 188
 - Assistants: 36
 - Junior research associates: 106
 - Other researchers: 46
 - Staff: 131

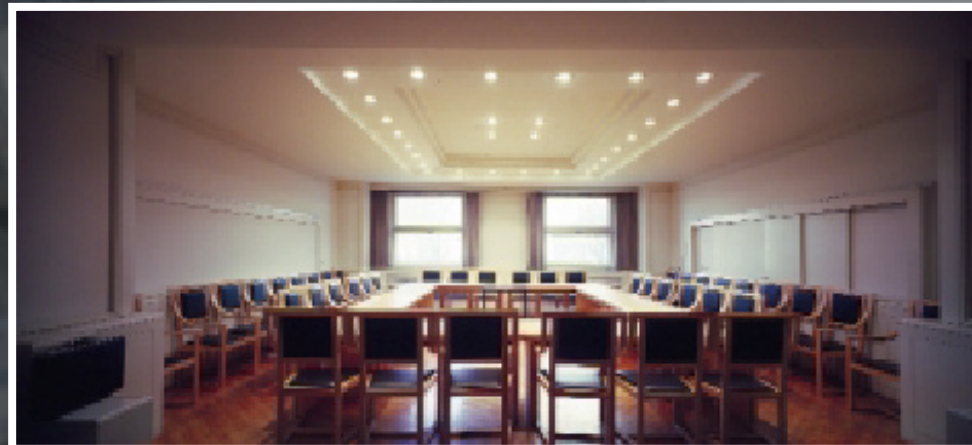
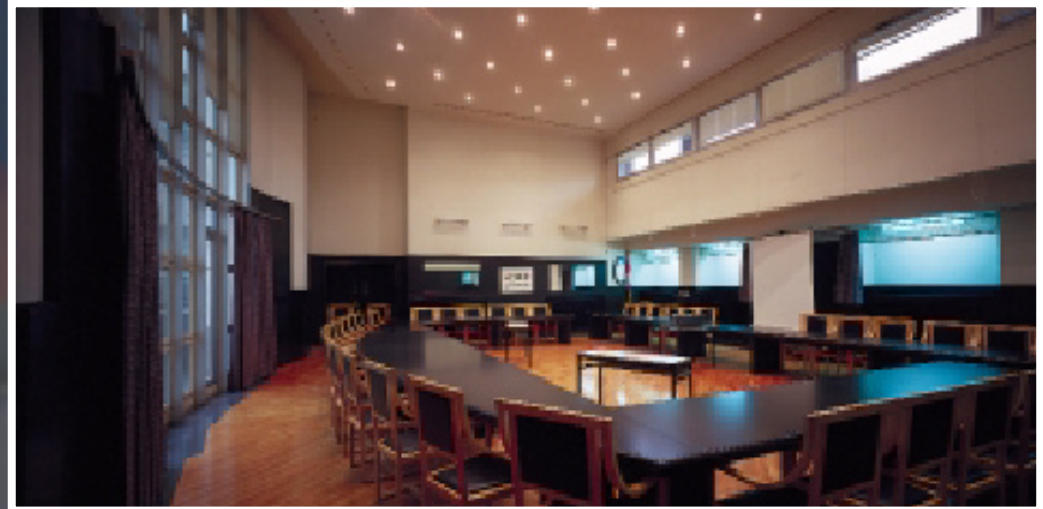


43.308 m²

FER facilities: large auditoriums, small groups ...

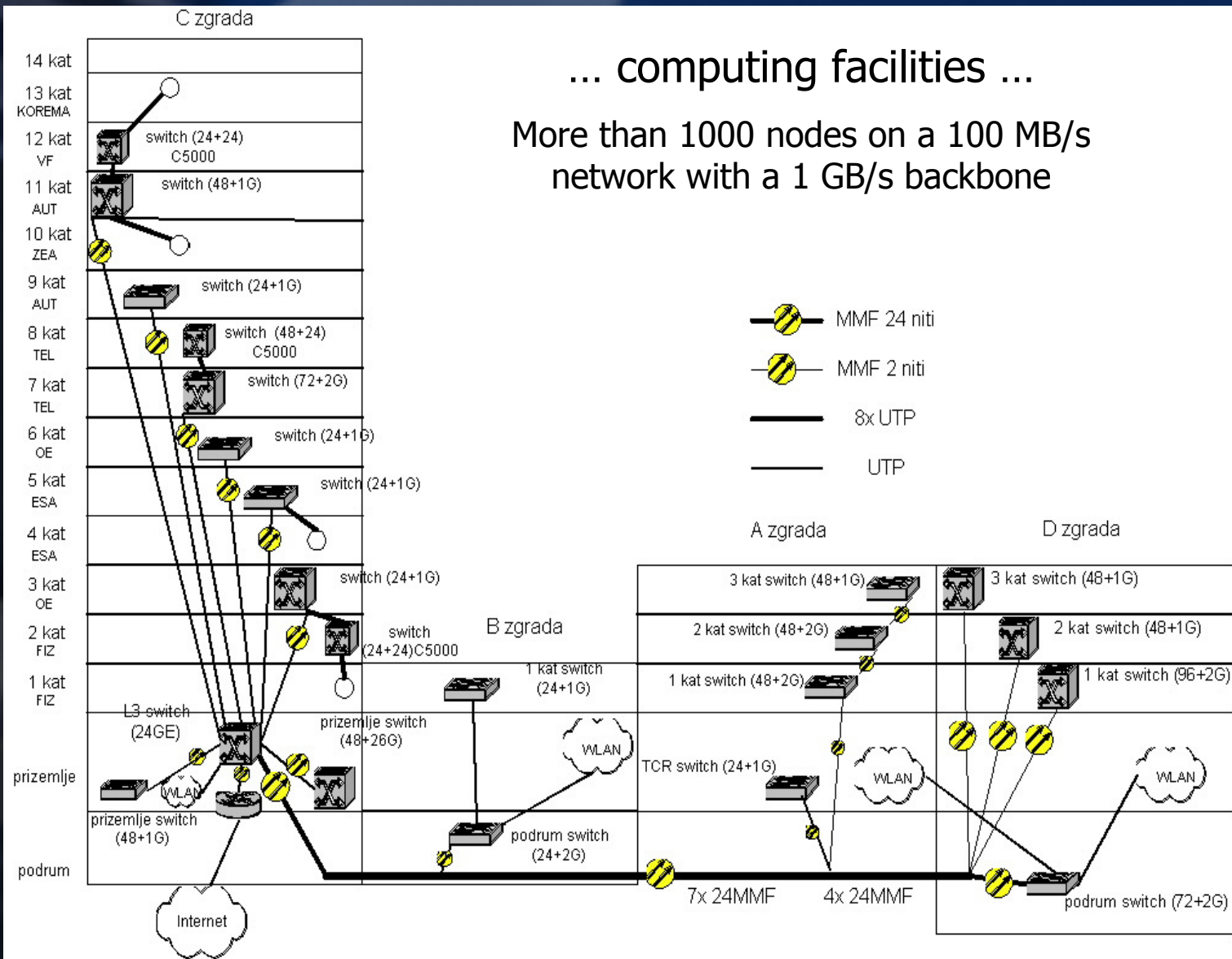


... congress center ...

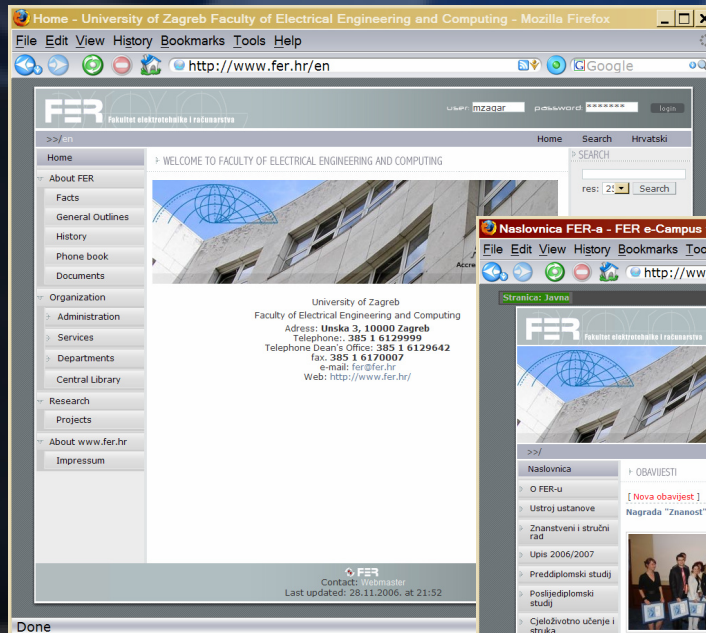


... computing facilities ...

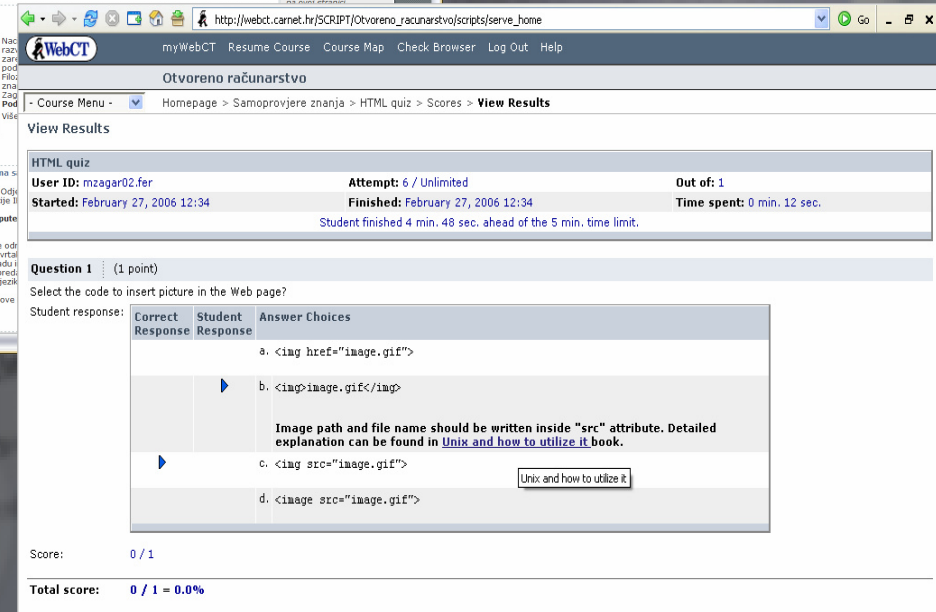
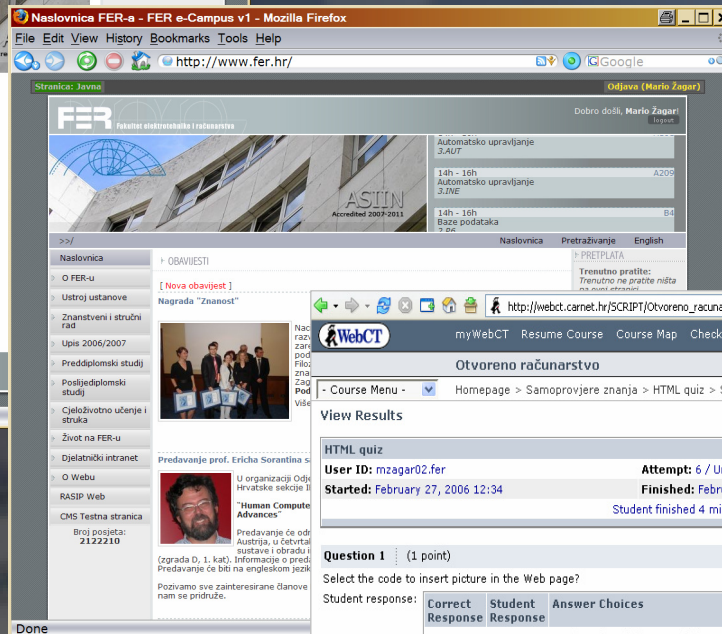
More than 1000 nodes on a 100 MB/s network with a 1 GB/s backbone



.... FERWeb



CMS System



LMS System

... 9 public PC laboratories with 180 PCs...



... TCR ...

... lots of other laboratories ...



... administrative tasks, exams, library... over Internet ...

STUDOMAT Utorak, 29.08.2006

Upis godine > Studiji/smjerovi > Obvezni/izborni > Izbor predmeta >

Računarstvo
Semestar: 3
Ukupno treba upisati: 25 - 35 ECTS-a
Odabrano na smjeru: 18 ECTS-a
Do sada ukupno odabrano: 18 ECTS bodova.

Naziv	Pred.	Vježbe	ECTS bodovi	Upisati
Predmeti koje možete odabrati				
Matematika 3R	60	0	5.0	<input checked="" type="checkbox"/>
Fizika 2	75	15	6.0	<input checked="" type="checkbox"/>

Elektronika 1
Operacijski sustavi
Upravljanje kakvoćom

Početna Knjige Časopisi Informacije Pomoć

Rezultati pretrage
Pronađeno 5 primjeraka [Ponovni dohvat](#)

Pregled primjeraka
[Odaberi sve na stranici](#) [Pregled pojedinosti](#)

- Matematička analiza - zbirka zadataka (TEOREMI I DEFINICIJE, RIJEŠENI ZADACI), Petar Javor, 1986, 1990, 1992, 1994
- Matematička analiza 1, Petar Javor, 1995, 1999, 2001
- Matematička analiza 2, Petar Javor, 2000, 2002
- MATEMATIČKA ANALIZA - ZBIRKA ZADATAKA, Petar Javor, 1986
- Statistička analiza baze podataka Studentske službe (MAGISTARSKI RAD), Davorin Javor, 1996

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Moj rezultat	Min	Max	Prosjeak	Percentil
Broj točnih odgovora	18	0	24	12.4378 93.1624
Broj djelomično točnih odgovora				0
Broj netočnih odgovora	0	0	20	5.92688 1.23457
Broj neodgovorenih pitanja	7	1	25	8.36847 54.6059
Ostvarena težina	18	-2.4	23.8	11.2653 94.207

Provjera ukupno obavilo pristupnika 1053
Postotak za prolaz 50
Ostvareni postotak 72
Uspješnost provjere

Drugi međuispit iz Digitalne logike
OBRAZAC ZA TEST

Dvorana **A304**
Student **Atkar, Ivan (0036419247)**

Grupa: A B C D

Pitanje	Odgovor	Točan odgovor	Mogući broj bodova	Status	Bodova
1	D	D	1	T	1
2	C	C	1	-	0
3	C	C	1	-	0
4	A	A	1	T	1
5	E	E	1	T	1
6	B	B	1	T	1
7	A	A	1	T	1
8	D	D	1	T	1
9	A	A	1	-	0
10	C	C	1	T	1
11	C	C	1	-	0
12	A	A	1	T	1
13	B	B	1	T	1
14	D	D	1	T	1
15	E	E	1	-	0
16	C	C	1	T	1

Zadatak 1. A B C D E
Zadatak 2. A B C D E
Zadatak 3. A B C D E
Zadatak 4. A B C D E
Zadatak 5. A B C D E
Zadatak 6. A B C D E
Zadatak 21. A B C D E
Zadatak 22. A B C D E
Zadatak 23. A B C D E
Zadatak 24. A B C D E
Zadatak 25. A B C D E
Zadatak 26. A B C D E



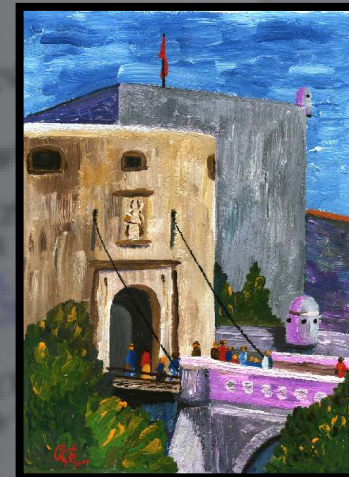
... restaurant ...



... sport hall ...



... art gallery ...



KISEK, Cavtat, 2007-09-03

Undergraduate studies

- **9 semesters**
- **The Preparation stage (1st and 2nd year)**
 - common courses
 - elective courses in the 4. semester
- **The Finishing stage (3rd ,4th & 5th year)**
 - obligatory courses related to elected field/branch
 - elective courses
 - seminars
 - graduation thesis
- **5 year study + diploma = dipl.ing. ≠ B.Sc.E.E.**

Before academic year
2005/2006

Graduate studies

- **MSc level (2 years)**
- **PhD level (1 additional year)**

Conformance to Bologna processes

- 3 + 2 + 3

From academic year
2005/2006

Additional goals:

- ❑ Keep pace with current advances in science and technology
- ❑ Adjust the curriculum to the needs of labor market
- ❑ Switch from teaching to learning
- ❑ Give importance to competences
- ❑ Be internationally recognized

Study programs from 2005/2006

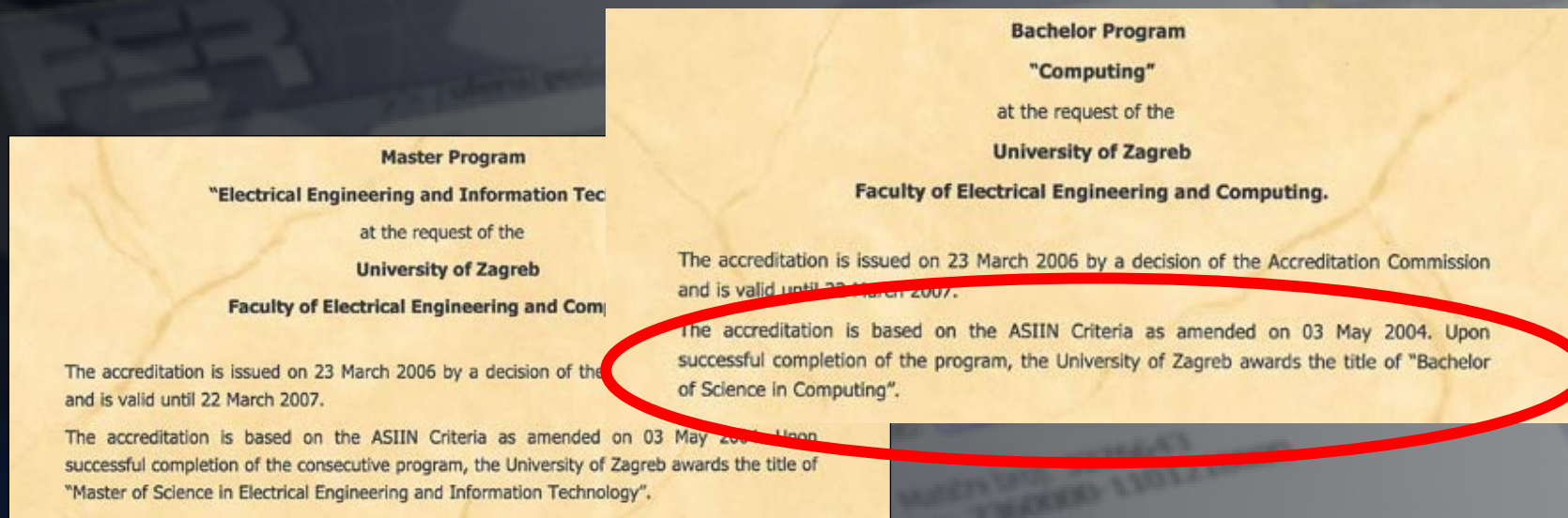
- Bachelor level (3 years)
 - Electrical engineering and information technology
 - **Computing**

Study programs:

- Master level (2 years)
 - Electrical engineering and information technology
 - Control engineering
 - Electrical power engineering
 - Electronic and computer engineering
 - Electronics
 - Electrical engineering systems and technology
 - Information and communication technology
 - Information processing
 - **Telecommunications and informatics**
 - Wireless technologies
 - Computing
 - **Computer engineering**
 - **Computer science**
 - **Software engineering and information systems**

ASIIN - Akkreditierungsagentur für Studiengänge der Ingenieurwissenschaften, der Informatik, der Naturwissenschaften und der Mathematik

- ❑ Only German accreditation agency for engineering, computing, natural sciences and mathematics
- ❑ Acknowledged by German accreditation council (Akkreditierungsrat)
- ❑ International relations with:
 - FEANI - Fédération Européenne d'Associations Nationales d'Ingénieurs
 - Washington Accord – includes ABET, since 1989
 - EUR-ACE – Project of accreditation of technical programs



Curriculum structure at the bachelor level

EE&IT - Computing

Math & Physics	M	36	20%
EE	E	50	28%
EE/Computing	ER	14	8%
Computing	R	15	8%
Non technical	D	17	9%
Laboratory and skills	L	24	13%
Free electives	I	12	7%
Bachelor's thesis		12	7%
		180	

Math & Physics	M	36	20%
EE	E	17	9%
EE/Computing	ER	14	8%
Computing	R	48	27%
Non technical	D	17	9%
Laboratory and skills	L	24	13%
Free electives	I	12	7%
Bachelor's thesis		12	7%
		180	

Curriculum structure at the master level

Theoretical courses	T	25	21%
Math & Physics	M	8	7%
Specialization courses	S	24	20%
Free electives	I	16	13%
Non technical courses	D	7	6%
Laboratory and skills	L	10	8%
Master's thesis	Z	30	25%
		120	

About us:

- Department of Control and **Computer Engineering** (ZARI)
- Group "**Computer systems and processes**" (RASIP)
 - 3 professors, 2 lecturers, 5 research assistants
- Fields of interest:
 - Microcomputers, embedded systems (HW + SW)
 - Ubiquitous, pervasive computing (WSN) (HW + SW)
 - Internet technologies and services (SW)
 - Open computing (SW)
 - Multimedia, image compression algorithms (HW + SW)
 - Special purpose languages (SW)
 - E-learning (SW)
 - ...
- RASIP courses:
 - Computer architectures
 - Embedded computers
 - Computers and processes
 - Open computing
 - Software engineering – selected topics, Distributed Software Development (DSD)

About us:

- Research program (2007 – 2012): **Ubiquitous computing**

4 research projects within the Program:

- Architectures of integrated computers, communication systems and services
- Design and implementation of special purpose software languages
- Computer aided microsurgery (CAS) and tele-3D-CAS in otorhinolaryngology
- **Software Engineering in Ubiquitous computing**
(7 researchers)

- Cooperation with industry
- Lifelong learning courses: School of open computing (ŠORA)
- Erasmus Mundus project

Here today: Prof.dr.sc. Mario Žagar, Dr. sc. Igor Čavrak

Հաճախորհ!
Hvala!
Danke!
Thank you!

www.fer.hr

www.fer.hr/rasip

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