

CHALMERS



CHALMERS TEKNISKA HÖGSKOLA
CHALMERS UNIVERSITY OF TECHNOLOGY · GÖTEBORG · SWEDEN

Rashid Farivar

HAR AVLAGT
CIVILINGENJÖRSEXAMEN
PÅ INDIVIDUELLT PROGRAM

HAS BEEN AWARDED THE DEGREE OF
MASTER OF SCIENCE (MSc) IN ENGINEERING
INDIVIDUALLY CHOSEN STUDY PROGRAMME

Göteborg 28 augusti 2008

Karin Markides
Rektor
President

Lillemor Simonson
Examenshandläggare
Officer of Degree

Rashid Farivar

Födelsedata

1982-05-15

Year, month, day of birth

1982-05-15

har avlagt civilingenjörsexamen
(180 poäng, vilket motsvarar 270
högskolepoäng)

*has satisfied the requirements for the degree
of Master of Science (MSc) in Engineering
(180 credits, which is equivalent to 270 higher
education credits)*

International Master of Science
Programme (60 poäng)
Microsystem Integration Technology

*International Master of Science
Programme (60 credits)
Microsystem Integration Technology*

Utbildningen har omfattat kurser
förtecknade på följande sidor och
ett examensarbete (20 poäng) inom
ämnet Microsystem Integration
Technology

*The study programme includes courses
listed on the following pages and a thesis
(20 credits) on the subject Microsystem
Integration Technology*

Examensarbetets titel
Diamond and Boron Nitride (BN) in Electronics

*Title of the thesis
Diamond and Boron Nitride (BN) in Electronics*


Examinator
Bitr professor Thorvald Andersson

*Examiner
Bitr professor Thorvald Andersson*

Examensfördringarna var avklarade
2008-06-27

*The degree requirements were satisfied on
June 27, 2008*

2 (3)



Signatur

Rashid Farivar

1982-05-15

Av de 180 poäng som ingår i fordringarna för civilingenjörsexamen tillgodoräknas 120 poäng från studier vid Khajeh Nassir Toosi University of Technology, Theran, Iran. Resterande del av examensfordringarna redovisas i detta examensbevis.

The requirement for graduation is 180 credits of which 120 credits have been acquired through studies at Khajeh Nassir Toosi University of Technology, Theran, Iran. The remaining credits required for graduation are presented in this diploma.

Datum <i>Date</i>	Master of Science Programme kurser <i>Master of Science Programme courses</i>	Poäng <i>Credits</i>	Betyg <i>Grades</i>
28 maj 2007	Semiconductor materials physics <i>Semiconductor materials physics</i> Bitr professor Thorvald Andersson	5.0	Fyra <i>Four</i>
25 sep 2006	Introduction to microsystems packaging <i>Introduction to microsystems packaging</i> Professor Johan Liu	5.0	Fem <i>Five</i>
20 okt 2005	Microsystems technology <i>Microsystems technology</i> Professor Peter Enoksson	5.0	Fem <i>Five</i>
12 dec 2005	Design and manufacturing of microsystem products <i>Design and manufacturing of microsystem products</i> Forskarassistent Fredrik Ingvarson	5.0	Fem <i>Five</i>
2 mar 2006	Thermal management for microsystems <i>Thermal management for microsystems</i> Docent Leonid Kuzmin	5.0	Fem <i>Five</i>
16 dec 2005	Reliability of microsystems <i>Reliability of microsystems</i> Professor Johan Liu	5.0	Fyra <i>Four</i>
18 sep 2006	Project work in microtechnology <i>Project work in microtechnology</i> Professor Johan Liu	10.0	Fem <i>Five</i>

Betygsskala: Godkänd eller Tre, Fyra, Fem där Fem är det högsta betyget
Grading system: Passed or Three, Four, Five where a higher figure signifies a better grade



CHALMERS

DIPLOMA SUPPLEMENT

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give reason why.

1. Information identifying the holder of the qualification

- 1.1 Family name: Farivar
- 1.2 Given name: Rashid
- 1.3 Date of birth (day/month/year): 15 May 1982
- 1.4 Civic registration number: 1982-05-15

2. Information identifying the qualification

- 2.1 Date of issue: 28 August 2008
- 2.2 Name of qualification and (if applicable) title conferred (in original language):
Civilingenjörsexamen
- 2.3 Name of qualification and (if applicable) title conferred in official translation to English:
Master of Science in Engineering
- 2.4 Main field(s) of study for the qualification: See Degree Certificate/Official Transcript.
- 2.5 Name (in original language) and status of awarding institution:
Chalmers tekniska högskola (private)
- 2.6 Name (in original language) and status of institution (if different from 2.5) administering studies:
Not applicable.
- 2.7 Language(s) of instruction: English

Sign: _____

3. Information on the level of the qualification

- 3.1 Level of qualification:** Undergraduate education 4,5 years.
- 3.2 Official length of programme:** 180 credits (270 ECTS). The scope of undergraduate education shall be stated in accordance with a credit system, where each credit corresponds to one week of full-time studies.
- 3.3 Access Requirement(s):** General eligibility is attained by completing an upper secondary school programme and obtaining a pass grade or better in courses comprising at least 90 per cent of the upper secondary credits required in the programme, or by providing proof of an equivalent level of knowledge. The specific eligibility varies according to the field of higher education and is expressed in terms of subjects in the upper secondary school.


In addition, access to some of the programmes requires previous studies at university level. All students must meet special requirements for each programme.

4. Information on the contents and results gained

- 4.1 Mode of study:** Full-time equivalent.
- 4.2 Degree requirements:** A Master of Science in Engineering (Civilingenjörsexamen) will be awarded after completion of course requirements of 180 credits (270 ECTS) in total. Objectives (in addition to the general objectives in chapter 1 section 9 of the Higher Education Act). In order to obtain a Master of Science in Engineering, the student shall have
- acquired knowledge in mathematics and natural science subjects to the extent required to understand and be able to apply the fundamental aspects of mathematical and natural sciences in the chosen area of technology
 - acquired knowledge of skills in the design of products, processes and working environments, taking into account the abilities and needs of human beings as well as society's objectives as regards social conditions, economy of resources, environment and economy,
 - acquired the knowledge enabling him or her, after a few years' work experience within his or her field, to take independent responsibility for development or utilisation of new technology at an internationally competitive level.
- 4.3 Programme details (e.g. modules or units studied), and the individual grades/marks/credits obtained:** See Degree Certificate/Official Transcript.
- 4.4 Grading scheme and, if available, grade distribution guidance:** The grades assigned are defined as Three, Four or Five. A higher figure signifies a better grade. The grade Three is the lowest pass grade. Apart from this scale, the grades "Godkänd" and "Underkänd" (Passed/Failed) may be used.
- 4.5 Overall classification of the qualification (in original language):** Not applicable for Swedish degrees.

5. Information on the function of the qualification

- 5.1 Access to further study:** The degree gives access to postgraduate training
- 5.2 Professional status (if applicable):** Regulated education in accordance with the Swedish Degree Ordinance and covered by directive 2005/36/EC

Sign: 

6. Additional information:

6.1 Additional information: The first phase of the Master's programme is a core curriculum of five or six terms of compulsory courses and projects, followed by a second phase including two terms of specialisation. The final phase of the Master programme is a one-term master thesis.

6.2 Further information sources: Chalmers tekniska högskola, SE-412 96 Göteborg
<http://www.chalmers.se>

National Agency for Higher Education, The Swedish ENIC/NARIC Office, Box 7851
SE-103 99 Stockholm
<http://www.hsv.se>

7. Certification of the supplement

7.1 Date: 28 August 2008

7.2 Signature and official stamp or seal (if used)



Lillemor Simonson

7.3 Capacity: Officer of Degree

8. Information on the national higher education system

Information on the Swedish higher education system of enclosure.

Sign: _____

