

CV attachments – Erik Elfgren

DIPLOMAS AND GRADES

PhD in Physics, Luleå University of Technology, 2008

1 PhD Diploma	1
2 PhD Grades	2

Licentiate in Engineering, Luleå University of Technology, 2005

3 Licentiate Diploma (in Swedish)	3
4 Licentiate Grades (in Swedish)	4

MSc Physique des particules, Université de Montréal, 2002

5 MSc Diploma	5
6 MSc Grades	6

MSc Engineering physics, Luleå University of Technology, 2000

7 MSc Diploma	8
8 Grades, Luleå University of Technology, 2000	9
9 Grades, École polytechnique, 1999	11
10 Grades, Université de Montréal, 1999	12

Higher School Certificate, Science programme: Electronics and computers, Luleå, 1996

11 Grades, Midskogsskolan (in Swedish)	14
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REFERENCE LETTERS

12 Professor Marcus Öhman, Luleå University of Technology, 2020	17
13 Professor Nils Almqvist, Luleå University of Technology, 2020	18
14 Former Student Daniel Holmros, 2016	19
15 Professor Sverker Fredriksson, Luleå University of Technology, 2009	21
16 Professor Georges Azuelos, Université de Montréal, 2002	24
17 Professor Louis Lessard, Université de Montréal, 2002	26
18 Professor Sverker Fredriksson, Luleå University of Technology, 2000 (in Swedish)	27
19 Professor Thomas Olofsson, Luleå University of Technology, 2000	28
20 Professor Friedhelm Ames, CERN, Genève, 1999	29
21 Professor Tim Goldrein, University of Cambridge, Cavendish Laboratory, 1998	30
22 Nils-Göran Jonsson, MEFOS, Luleå, 1998 (in Swedish)	31

TEACHING PORTFOLIO

My [Teaching Portfolio](#) (including my courses in pedagogics) can be found in a separate document.

COURSES

23 Supervision Course, 2015	32
24 Fund raising (in Swedish), 2010	33
25 Forskarutbildningsprocessen: Att handleda och handledas, 2006	36

CERTIFICATES

26 Meetings of Nobel Laureates, 2008	37
27 Graduate School of Space Technology, 2008	38
28 Nordita Summer School on Cosmology and the High-Redshift Universe, 2002	39
29 CERN, Genève, Summer Student Program, 1999	40



EXAMENSBEVIS
DEGREE CERTIFICATE

Erik Elfgrén

771221-8987

HAR AVLAGT/HAS BEEN AWARDED THE DEGREE OF

TEKNOLOGIE
DOKTORSEXAMEN

INOM ÄMNET FYSIK

DOCTOR OF PHILOSOPHY (PhD)

IN THE SUBJECT PHYSICS

Luleå tekniska universitet/Luleå University of Technology

18 januari 2008



Rector/President

DEGREE CERTIFICATE

ERIK ELFGREN

1977-12-21-8937

has on

18 January 2008

been awarded the degree of **Doctor of Philosophy, 160 credit points**, in accordance with the regulations governing Swedish Higher Education (SFS 1993:100) and has successfully completed courses according to established syllabus

in the subject

Physics

and has written and publicly defended a doctoral dissertation with the title

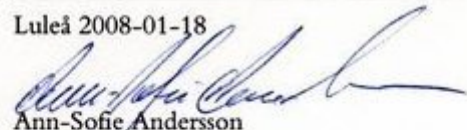
Cosmic dust and heavy neutrinos

Supervisor

Professor Sverker Fredriksson

Course	Credit points	Examiner
Astrophysics, advanced course	5.0	Professor Sverker Fredriksson
Research Methodology	5.0	Professor Ingrid Sandahl
Cognitive Information Processing in Space Physics and Astrophysics	5.0	Professor Sverker Fredriksson
Pedagogy for Teachers and Lectures	2.0	Lecturer Eva Granlund
Space Environment	5.0	Professor Sverker Fredriksson
Project Management with Focus on ESA	5.0	Professor Sverker Fredriksson
Astrophysics, advanced course 2	5.0	Professor Sverker Fredriksson
Functional Analysis	5.0	Professor Sverker Fredriksson
Workshops and Meetings within the Graduate School of Space Technology	12.5	Professor Sverker Fredriksson
Personal Leadership, PMI	2.0	Professor Sverker Fredriksson
To Supervise and to be Supervised	2.0	Professor Jonas Hedlund
Cosmology, Advanced	5.0	Professor Sverker Fredriksson
Astrophysics and Cosmology	3.0	Docent Michael Bradley Umeå University
Thesis Work	100.0	Professor Sverker Fredriksson
Total Sum	161.5	

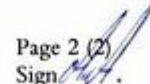
Luleå 2008-01-18


Ann-Sofie Andersson
Administrative Assistant

Grades:
The only grade awarded is Pass.

University Stamp
(Does not appear
on the copy)


LULEÅ
UNIVERSITY
OF TECHNOLOGY

Page 2 (2)
Sign 

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EXAMENSBEVIS

DEGREE CERTIFICATE

Erik Elfgrén

HAR AVLAGT/HAS BEEN AWARDED THE DEGREE OF

TEKNOLOGIE
LICENTIATEXAMEN

LICENTIATE IN ENGINEERING

Luleå tekniska universitet/Luleå University of Technology

21 april 2005

Stigge O. Palmér

Rector/President

EXAMENSBEVIS

Erik Elfgren 771221-8937

har den

21 April 2005

enligt bestämmelserna i högskoleförordningen (SFS 1993:100) avlagt

TEKNOLOGIE LICENTIATEXAMEN

INOM ÄMNESOMRÅDET FYSIK

Elfgren har författat en licentiatuppsats samt avklarat kurser enligt fastställd studieplan

Licentiatuppsatsens titel **Dust in the Early Universe**

Handledare **Professor Sverker Fredriksson**

Kurs	Poäng	Examinator
Astrofysik, fortsättningskurs	5.0	Prof Sverker Fredriksson
Forskningsmetodik	5.0	Prof Ingrid Sandahl
Kognitiv informationshantering i rymd- och astrofysik	5.0	Prof Sverker Fredriksson
Pedagogisk utbildning för universitetslärare	2.0	Univ adj Eva Granlund
Rymdmiljö	5.0	Prof Sverker Fredriksson
Astrofysik, fk 2	5.0	Prof Sverker Fredriksson
Projektledning med ESA-inriktning	5.0	Prof Sverker Fredriksson

Luleå 2005-04-21


Ann-Sofie Andersson
Examensadministratör

Betygsgrad

För dessa kurser ges endast betyget godkänd.

Prägel
(Framträder
ej på kopia)

LULEÅ
TEKNISKA
UNIVERSITET

Sid 2(2)
Sign 



Université de Montréal

Faculté des études supérieures

Attendu que le Conseil de la Faculté atteste que

Erik Elfgren

a terminé les études du programme de deuxième cycle en
physique

Nous Recteur

par décision du Conseil de l'Université et en vertu de Notre autorité, lui conférons la

Maîtrise ès sciences (M.Sc.)

à compter du 3 octobre 2002 avec tous les droits, honneurs et privilèges qui s'y rattachent.

En foi de quoi Nous signons ce document muni du grand sceau de l'Université
ainsi que de la signature du secrétaire général et de celles du doyen et du secrétaire de la Faculté.

Fait à Montréal, le 12 novembre 2002

Le doyen

Le recteur

Le secrétaire

Le secrétaire général





BULLETIN DE NOTES

Université de Montréal

Erik Elfgrén

 2923 COTE STE-CATHERINE
 MONTREAL
 QC H3T 1C2

DATE D'ÉMISSION 18 FEVRIER 2002

CODE PERMANENT ELFE21127709

CATÉGORIE D'ÉTUDIANT REGULIER

GRADE POSTULÉ M.SC. PHYSIQUE

TITRE DU COURS	NUMÉRO	NAT.	CRÉDITS	NOTE	É C H	MOYENNE DE GROUPE	DURÉE		M E S
							DÉBUT	FIN	
PROGRAMME: M.SC. PHYSIQUE									
INFORMATIQUE QUANTIQUE	IFT 6155	CH	4,0	A-			H2001	H2001	
PHYSIQUE SUBATOMIQUE INSTRUMENTALE	PHY 6638	CH	3,0	A-			H2001	H2001	
ADVANCED QUANTUM MECHANICS (198-610A)	MCG 9019B	CH	3,0	B			A2001	A2001	
MOYENNE DES COURS REGULIERS			10,0	3,5					
TOTAL DES CREDITS ACQUIS: CH : 10,0				TOT: 10,0					

INSCRIT(E) EN REDACTION

1130-0352

 LOUIS MAHEU, DOYEN
 FACULTÉ DES ÉTUDES SUPÉRIEURES

NOTES EXPLICATIVES

Échelle de notation en vigueur le 1er septembre 1989

(sauf pour les étudiants admis au baccalauréat de la Faculté de droit avant l'automne 1990)

PREMIER CYCLE	NOTE	VALEUR NUMÉRIQUE	ÉTUDES SUPÉRIEURES
excellent	A +	4,3	excellent
	A	4,0	
	A –	3,7	
très bon	B +	3,3	bon
	B	3,0	
	B –	2,7	
bon	C +	2,3	passable
	C	2,0	
	C –	1,7	
passable	D +	1,3	échec
	D	1,0	
faible (échec)	E	0,5	
nul (échec)	F	0,0	
échec par absence	F *	0,0	

Autres notes sans valeur numérique

AC : accepté
 ABA : abandon
 ACC : accompli
 AJ : ajourné
 ATN : en attente d'une note

COMP : complet
 (E) : échec
 EF : évaluation facultative
 ENPR : en progression
 EQV : équivalence

EXE : exemption
 INC : incomplet
 ND : non déposé
 R : réussi

REF : refusé
 REM : remise
 (S) : succès
 SE : sans évaluation

Nat. (NATURE DU COURS)

CH: au choix

HP: hors programme

OBL: obligatoire

OPT: à option

Crédit d'un cours

Le crédit représente quarante-cinq heures consacrées par l'étudiant(e) à une activité de formation y compris, s'il y a lieu, le nombre d'heures de travail personnel jugé nécessaire par l'Université.

Moyenne

La moyenne tient compte de la pondération de chacun des cours.

La moyenne cumulative antérieure (avant le 1er septembre 1989) a été calculée à l'aide de la table de conversion approuvée par la Commission des études.



Éch. (ÉCHEC)

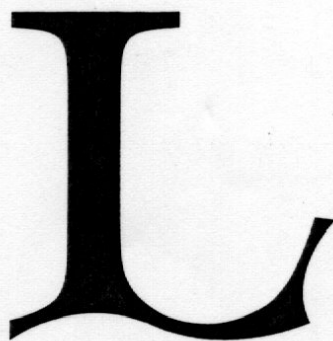
* : échec

Durée

A: automne (du 1er septembre au 31 décembre)
 H: hiver (du 1er janvier au 30 avril)
 E: été (du 1er mai au 31 août)

Mes. (MESSAGE)

NC: non contributif à la moyenne
 CR: cours remplacé



EXAMENSBEVIS
DEGREE CERTIFICATE

Erik Elfgrén

HAR AVLAGT / HAS BEEN AWARDED THE DEGREE OF

CIVILINGENJÖRSEXAMEN

I TEKNISK FYSIK

MASTER OF SCIENCE (MSc) IN ENGINEERING PHYSICS

Luleå tekniska universitet / Luleå University of Technology

18 december 2000

Rektor/President

DEGREE CERTIFICATE

ERIK ELFGREN
1977-12-21-8937

has on **18 December, 2000**

been awarded the degree of **Master of Science in Engineering Physics (180 university points)** in accordance with the regulations governing Swedish higher education (SFS 1993:100)

specialising in:

Physics

this degree also includes;

submission of a thesis on the subject:

Physics

required practical industrial training:

30 September, 1999

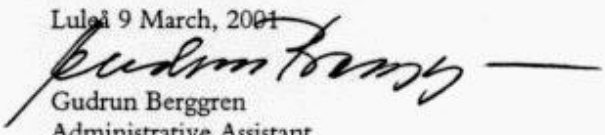
Course	Points	Grade	Date
Modern Physics	3.0	Five (5)	1996-10-18
Computer introduction	1.0	Pass*	1996-10-25
Imperative Programming	4.0	Five (5)	1997-01-07
Thermodynamics	4.0	Four (4)	1997-03-18
Mechanics	5.0	Five (5)	1997-06-03
Research Methods	4.0	Pass*	1997-06-05
Basic Course in Business Administration	4.0	Five (5)	1997-06-06
Mathematics	16.0	Five (5)	1997-06-11
Vector Calculus and Series	4.0	Five (5)	1997-10-20
Mechanics II	4.0	Five (5)	1997-10-23
Ethics and Philosophy of Technology	5.0	Pass with distinction**	1997-10-27
Mathematical Statistics	4.0	Five (5)	1997-12-15
Quantum Physics	4.0	Four (4)	1997-12-18
Complex Functions and Theory of Transforms	4.0	Three (3)	1997-12-20
Politics, technology and the natural environment	4.0	Five (5)	1998-01-08
Electromagnetic Field Theory	4.0	Four (4)	1998-03-13
Materials Science and Engineering	4.0	Five (5)	1998-03-16
Mathematical Physics	4.0	Three (3)	1998-03-18
Partial Differential Equations and Finite Element Method	4.0	Four (4)	1998-04-22
Theory of Distributions	2.0	Three (3)	1998-05-20
Principles of Mathematical Analysis	4.0	Five (5)	1998-05-23
Continuum Mechanics	4.0	Four (4)	1998-05-26
Solid State Physics	4.0	Four (4)	1998-05-27
Circuit Theory	4.0	Four (4)	1998-05-28
Practice 12 weeks	0.0	Pass*	1999-09-30
Automatic Control	4.0	Five (5)	1999-11-15
Statistical Mechanics and Thermodynamics	4.0	Four (4)	1999-12-16
Particle and Nuclear Physics	4.0	Five (5)	1999-12-20

DEGREE CERTIFICATE

ERIK ELFGREN, 1977-12-21-8937

Course	Points	Grade	Date
Applied Mathematics	4.0	Five (5)	2000-02-18
Physical Optics	4.0	Three (3)	2000-03-09
Theory of Relativity	2.0	Four (4)	2000-03-13
Mathematical Project Course	8.0	Five (5)	2000-03-23
Astrophysics and Cosmology	4.0	Four (4)	2000-04-11
Physical Chemistry with Thermodynamics	4.0	Four (4)	2000-05-29
Algebraic Methods in Physics	4.0	Four (4)	2000-06-02
Atomic and Molecular Physics	4.0	Four (4)	2000-06-15
Information Retrieval	1.0	Pass*	2000-06-20
Applied Quantum Physics	4.0	Four (4)	2000-09-12
Master Thesis	20.0	Pass*	2000-12-18
In addition to above credits for course work done at Luleå University of Technology, has credit been granted for 43 university points done at Ecole Polytechnique, Montreal, Canada, academic year 98/99.			
Total Sum	218.0		

Luleå 9 March, 2001


Gudrun Berggren
Administrative Assistant

The Grade System:

The available grades are: three (3), four (4), and five (5). A higher figure signifies a better grade.

* For this course only the grade "Pass" is given.

** For this course the grade "Pass" and "Pass with distinction" is given.

The length of a course is shown by the number of points; 20 points are equivalent to one term of fulltime studies. 40 points are equivalent to one academic year of fulltime studies

Erik Elfgrén
Gnejsstigen 83
Lule ()
Suède
SE-977 53



1064575
Échange: de l'extérieur à Poly
Sans grade 1er cycle
Libre 1er cycle

BULLETIN CUMULATIF

SIGLE	COURS OU ACTIVITÉ	CRÉDITS	NOTE	VALEUR	LIEN	MOYENNE DU GROUPE	MESSAGE
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TRIMESTRE D'ÉTÉ 1998

UMFRS1231 Étude pratique du français oral III

3 S AC

CRÉDITS ACQUIS: 3 SUR 3

CUMULATIF - CRÉDITS: 3

TRIMESTRE D'AUTOMNE 1998

215 Analyse numérique	3	B+	3,50	OB	1,74
3.516 Électromagnétisme II	3	B	3,00	OB	2,23
8.310 Mécanique supérieure	2	B+	3,50	OB	2,27
8.401 Mécanique quantique II	2	A	4,00	OB	3,30
8.412 Introduction à l'optique moderne	3	C	2,00	OB	2,37
UMPHY3553 Mécanique quantique 3	3	S		AC	

CRÉDITS ACQUIS: 16 SUR 16

MOYENNE: 3,12

CUMULATIF - CRÉDITS: 19

MOYENNE: 3,12

TRIMESTRE D'HIVER 1999

8.533 Diélectriques	2	C+	2,50	OB	2,52
UMMAT2415 Modélisation mathématique	3	R		AC	
UMMAT6435 Équations de la physique math.	3	S		OP	
UMPHY3070 Relativité Générale	3	R		AC	
UMPHY3075 Modélisation numérique en phy.	3	S		AC	
UMPHY3460 Électromagnétisme 3	3	S		AC	
UMPHY6668 Interaction fond. particules	3	S		AC	

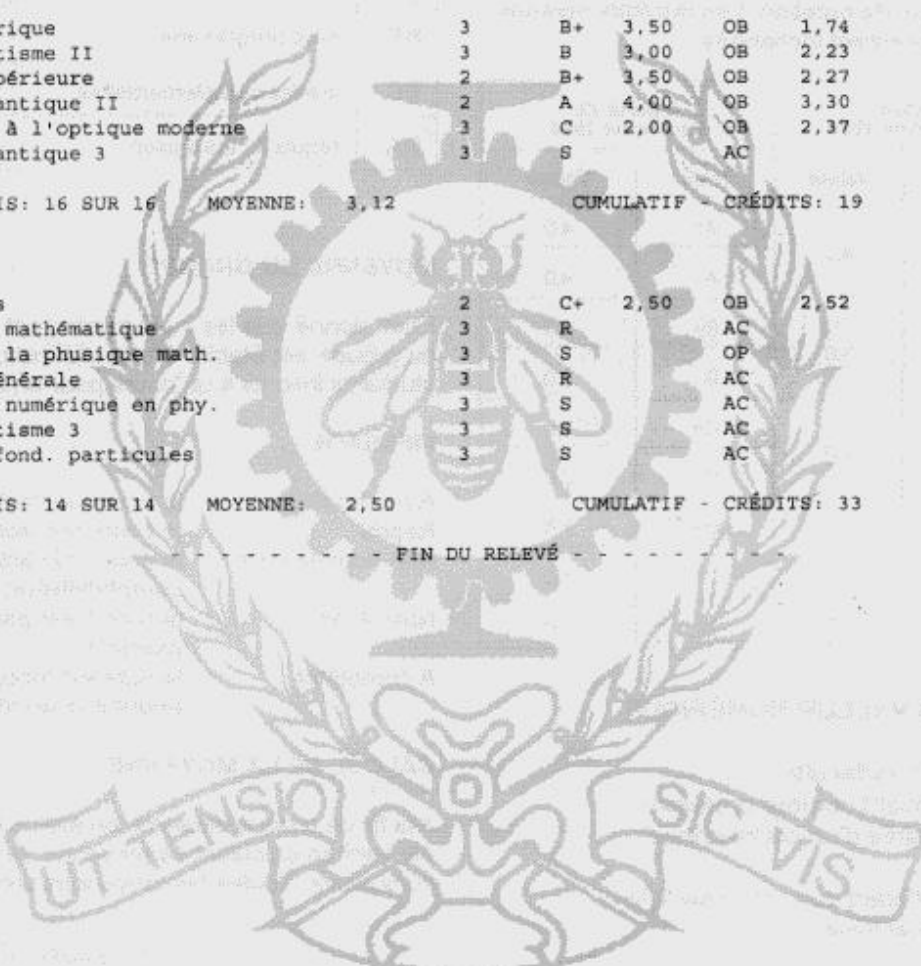
CRÉDITS ACQUIS: 14 SUR 14

MOYENNE: 2,50

CUMULATIF - CRÉDITS: 33

MOYENNE: 3,03

FIN DU RELEVÉ



SOMMAIRE

TRIMESTRES RÉGULIERS COMPLÉTÉS:	2	MOYENNE CUMULATIVE:	3,03
		CRÉDITS ACQUIS DANS CE PROGRAMME:	33

DÉCISION:

AUTORISÉ À POURSUIVRE SES ÉTUDES

France Rochette

BULLETIN ÉMIS PAR LE REGISTRAIRE
FRANCE ROCHETTE



BULLETIN DE NOTES

Université de Montréal

ERIK ELFGREN

2350 EDOUARD MONTPETIT # 18113
MONTREAL
QUEBEC

H3T 1J4

DATE D'ÉMISSION 25 MAI 1999

CODE PERMANENT ELFE21127709

CATÉGORIE D'ÉTUDIANT LIBRE

GRADE POSTULÉ ENTENTE
INTERUNIVERSITAIRE

TITRE DU COURS	NUMÉRO	NAT.	CRÉDITS	NOTE	É C H	MOYENNE DE GROUPE	DURÉE		M E S
							DÉBUT	FIN	
ETUDE PRATIQUE DU FRANCAIS ORAL 3	FRS 1231	CH	3,0	B		C+	E1998	E1998	
MECANIQUE QUANTIQUE 3	PHY 3553	CH	3,0	A		B+	A1998	A1998	
EQUATIONS DE LA PHYSIQUE MATHEMATIQUE	MAT 6435	CH	3,0	A-			H1999	H1999	
MODELISATION NUMERIQUE EN PHYSIQUE	PHY 3075	CH	3,0	A+		B+	H1999	H1999	
ELECTROMAGNETISME 3	PHY 3460	CH	3,0	A		B	H1999	H1999	
INTERACTIONS FONDAMENTALES ET PARTICULES	PHY 6668	CH	3,0	A+			H1999	H1999	
TOTAL DES CREDITS ACQUIS: CH : 18,0				TOT: 18,0					



Université de Montréal
BUREAU DU REGISTRAIRE

Fernand Boucher
FERNAND BOUCHER
Registraire

UNIVERSITE D'ATTACHE : ECOLE POLYTECHNIQUE

339-9901

Fernand Boucher
FERNAND BOUCHER
REGISTRAIRE

NOTES EXPLICATIVES

Échelle de notation en vigueur le 1er septembre 1989

(sauf pour les étudiants admis au baccalauréat de la Faculté de droit avant l'automne 1990)

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excellent	A +	4,3	excellent
	A	4,0	
	A –	3,7	
très bon	B +	3,3	bon
	B	3,0	
	B –	2,7	
bon	C +	2,3	passable
	C	2,0	
	C –	1,7	
passable	D +	1,3	échec
	D	1,0	
faible (échec)	E	0,5	
nul (échec)	F	0,0	
échec par absence	F *	0,0	

Autres notes sans valeur numérique

AC : accepté
 ABA : abandon
 ACC : accompli
 AJ : ajourné
 ATN : en attente d'une note

COMP : complet
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HP: hors programme

OBL: obligatoire

OPT: à option

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Moyenne

La moyenne tient compte de la pondération de chacun des cours.

La moyenne cumulative antérieure (avant le 1er septembre 1989) a été calculée à l'aide de la table de conversion approuvée par la Commission des études.



Éch. (ÉCHEC)

* : échec

Durée

A: automne (du 1er septembre au 31 décembre)
 H: hiver (du 1er janvier au 30 avril)
 E: été (du 1er mai au 31 août)

Mes. (MESSAGE)

NC: non contributoire à la moyenne
 CR: cours remplacé

Skolans namn	Avgångsbetyg Datum 1996-06-07	Sida 1/3
Midskogsskolan		
Kommun		
Luleå		Gymnasieskolan

Efternamn, tilltalsnamn Elfgrén Erik	Personnummer 771221-8937
--	------------------------------------

Program Naturvetenskapsprogrammet	Studievägskod M NVTE0
Gren/lokalt gren/yrkesinriktning NV Gren teknik	Fullständig/mindre/utökad studiekurs Fullständig

Ämne/Ingående kurser	Ämneskod/ Kurskod	Betyg	Anmärkning
Biologi	301000	Fyra 4	
Biologi A	BI200	-----	-
Datakunskap	522330	Fyra 4	
Programmering i Pascal på Macintosh/LK	DA501	-----	-
Engelska	603000	Fem 5	
Engelska A	EN200	-----	-
Engelska B	EN201	-----	-
Elektronik	722400	Fem 5	
Digitalteknik - grundkurs	ENK201	-----	-
Mikrodatorteknik/LK	ENK502	-----	-
Estetisk verksamhet	181050	Tre 3	
Estetisk verksamhet	ESV200	-----	-
Företagsekonomi	202400	Fem 5	
Affärsskolan/LK	FE505	-----	-
Franska	613000	Fem 5	
Franska B-språk	FR200	-----	-
Fysik	313000	Fem 5	
Fysik	FY200	-----	-
Historia	023000	Fyra 4	
Historia A	HI200	-----	-
Idrott och hälsa	902050	Fyra 4	
Idrott och hälsa A	IDH200	-----	-
Kemi	344000	Fyra 4	
Kemi A	KE200	-----	-
Matematik	355000	Fem 5	


 Uno Landén Rektor



Skolans namn	Avgångsbetyg		Sida 2/3
Midskogsskolan			
Kommun	Datum		
Luleå	1996-06-07	Gymnasieskolan	

Efternamn, tilltalsnamn	Personnummer
Elfgrén Erik	771221-8937

Program	Studievägskod
Naturvetenskapsprogrammet	M NVTE0
Gren/lokal gren/yrkesinriktning	Fullständig/mindre/utökad studiekurs
NV Gren teknik	Fullständig

Ämne/Ingående kurser	Ämneskod/ Kurskod	Betyg		Anmärkning
Matematik A	MA200	-----	-	
Matematik B	MA201	-----	-	
Matematik C 1	MA202	-----	-	
Matematik D	MA204	-----	-	
Matematik E	MA205	-----	-	
Naturkunskap	384500	Tre	3	
Naturkunskap A	NK200	-----	-	
Religionskunskap	067000	Fem	5	
Religionskunskap A	RE200	-----	-	
Samhällskunskap	548000	Fem	5	
Samhällskunskap A	SH200	-----	-	
Svenska - Litteraturkunskap o. språklig orientering	6560L0	Fem	5	
Litteraturkunskap och språklig orientering	SV200L	-----	-	
Svenska - Svenska språket	6560S0	Fyra	4	
Svenska språket	SV200S	-----	-	
Teknologi	887500	Fem	5	
Teknologi A	TL202	-----	-	
Teknologi B	TL203	-----	-	
Teknologi C	TL204	-----	-	Inriktning EI
Teknisk inriktning EI/LK	TL505	-----	-	
Grundläggande ordbehandling/LK	TL514	-----	-	


Uno Landén Rektor



Skolans namn	Midskogsskolan	Datum	1996-06-07	Sida 3/3
Kommun	Luleå	Avgångsbetyg		Gymnasieskolan

Efternamn, tilltalsnamn	Elfgrén Erik	Personnummer	771221-8937
--	---------------------	-----------------------------	--------------------

Program	Naturvetenskapsprogrammet	Studievägskod	M NVTE0
Gren/lokal gren/yrkesinriktning	NV Gren teknik	Fullständig/mindre/utökad studiekurs	Fullständig

Ämne/Ingående kurser	Ämneskod/ Kurskod	Betyg	Anmärkning
-----------------------------	------------------------------	--------------	-------------------

Specialarbete	Supraledning - Vad är det?	Kod	996810
		Frånvarotimmar	9

Noteringar


Uno Landén Rektor





Energiteknik, Avd för Energivetenskap,
Institutionen för teknikvetenskap och matematik

2020-03-02

Kort utlåtande från närmaste chef om Erik Elfgréns pedagogiska skicklighet och engagemang

Universitetslektor Erik Elfgrén är sedan hösten 2019 Utbildningsledare (UL) för Civ Ing programmet Hållbar Energiteknik (HET). Han har under de senaste 3 åren även varit vikarierande UL för högskoleingenjörsprogrammet i Elkraftteknik. Erik ansvarar dessutom för ett flertal kurser på såväl grundläggande som avancerad nivå inom ett flertal Civ Ing program vid LTU.

Jag har under mina verksamma år med Erik alltid fascinerats av hans glädje, engagemang och entusiasm att vilja utveckla såväl det pedagogiska som det strukturella innehållet i de kurser som han ger och har utvecklat. Jag ser också med glädje att han nu som ny UL också tar tag i detta på programnivå. Hans entusiasm och stora pedagogiska erfarenhet smittar av sig till både hans studenter och kollegor. Erik har fått mycket fina vitsord både från hans kollegor på TVM och hans studenter. Erik är väldigt omtyckt av sina studenter och var en mycket värdig pristagare av LTUs pedagogiska pris 2014. Han har dessutom varit en mycket viktig mentor för de nya lärare som deltar i TVMs fysikkurser såväl som för de lärare som deltar i utvecklingen av HET programmets alla kurser. Han är också varit ett viktigt stöd för mig vad gäller utvecklingen av mina egna kurser och i min pedagogiska roll inom ämnesföreträderskapet.

Erik är en viktig pedagogisk ledargestalt på TVM och LTU. Eriks pedagogiska gärningar har redan gett viktiga avtryck på LTUs utbildningsmiljö och jag är säker på att hans kommande pedagogiska arbete kommer vara till stort gagn för LTU. Erik har med sina gärningar uppvisat ett starkt pedagogisk ledarskap och skicklighet. Med detta vill jag å det starkaste rekommendera honom för det kommande pedagogiska ledarprogrammet vid LTU.

Marcus Öhman
Ämnesföreträdare och Avdelningschef
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2020-03-02

Utlåtande om Erik Elfgréns lärarskicklighet

Jag har haft nöjet att lära känna Erik Elfgrén redan när han var student vid LTU, sedan som doktorand i Fysik och som lektor på Avdelningen för fysik respektive energiteknik. Jag kom tidigt att arbeta med Erik eftersom han både skötte "fysikräknestugor" och var lärare i en fysikbaskurs där jag var examinator. I min roll som utbildningsledare för fysikkurserna har jag detaljerat lärt känna Eriks pedagogiska skickligheter. Genom åren har vi haft ett oräkneligt stort antal pedagogiska diskussioner kring undervisning, förbättringar och förbättrade verktyg att använda i fysikundervisningen. Vi har ofta fungerat som bollplank till varandra både vad gäller pedagogiska idéer och i det pedagogiska ledarskapet. Jag har dessutom tagit del av studenternas omdömen och kursvärderingar samt arbetat med Erik i olika arbetsgrupper. Därmed har jag fått god insyn i Eriks undervisningskvaliteter och tror mig vara en av de personer på LTU som kommit Erik allra närmast i sin roll som lärare i fysikkurser.

En snabb sökning i vår "gamla databas" och i Retendo visar att Erik sedan Lp2 03/04 till dags datum undervisat 4750 timmar i lektionssal, vilket motsvarar 20200 klocktimmar eller 12 helårs undervisning. Hans undervisningserfarenhet är alltså omfattande med undervisning i kurser på både grundläggande och avancerad nivå. Men inte bara det, den är också uppskattad och av hög kvalitet.

När det gäller Eriks framgångar som lärare antar jag att han själv redogjort för sina pedagogiska meriter, priser och liknande. Erik älskar undervisning och pedagogisk utveckling och är alltid engagerad och entusiastisk. Jag kan sammanfatta mina intryck med att Erik utan tvekan är en av fysikkursernas skickligaste lärare, möjligen till och med den skickligaste. Det har jag fått klart för mig genom att:

- han alltid visat ett brinnande intresse och engagemang för undervisningen. Han är en kunnig, entusiastisk och utmärkt föreläsare som bjuder på sig själv utan att ge avkall på att fokusera på det som ska läras. Han har en fantastisk förmåga att träffa rätt nivå och väcka intresse i hänsyn till målgruppen.
- han är ivrig att utveckla sig själv som lärare och strävar efter att förbättra sig dvs. att genom kurser, praktiskt arbete, studentkontakter, diskussioner med kolleger och egna studier bli en ännu bättre lärare.
- Erik är en väldigt social person som under alla år alltid fått strålande omdömen från studenter, både i utvärderingar, på programrådsmöten eller när studenter berättat det till mig muntligt. Han ställer alltid upp för studenterna. Jag kan inte identifiera att han någon endaste gång fått kritik från sina studenter.

Erik har också ett stort engagemang i utvecklingsprojekt för att utveckla kurser och utbildningar. Han har t.ex. varit högst aktiv i vårt förslag till nydanande utbildning. Han bidrar med tekniska hjälpmedel som underlättar och förbättrar undervisningen i våra kurser. Erik har vilja och förmåga att axla alla olika typer av ansvar och ledarroller och är ett stöd för mig som utbildningsledare för fysikkurserna. Som examinator i Fysik 3 fungerar han som mentor för att skola in nya lärare i kursen. Vidare ställer han alltid upp för oss andra kolleger. Det är ovärderligt att kunna lita på Erik i det avseendet.

Med nöje ger jag mina allra bästa rekommendationer för Erik till utvecklingsprogrammet för lärare med pedagogisk skicklighet. Jag är övertygad att Eriks praktiska erfarenheter, utmärkta pedagogiska skickligheter och stora engagemang kommer vara till stor nytta för LTU.

Luleå, 2020-03-02

Nils Almqvist, Prof. Exp. fysik/Utbildningsledare för fysikkurser
TVM/Materialvetenskap/Experimentell fysik, Luleå tekniska universitet
SE-971 87 Luleå, Sweden, Tel: +46 920 49229, E-post: Nils.Almqvist@ltu.se

Erik, jag har rekommenderat dig**From:** Daniel Holmros via LinkedIn <member@linkedin.com>**To:** Erik Elfgrén <elf@ludd.ltu.se>**Date:** 2016-03-16 09:27

Daniel Holmros has written you a recommendation for Assistant Professor at Luleå University of Technology

[Add to profile](#)[Ask for changes](#)**Daniel Holmros**

Project manager at Nybergs Svets AB

Hej Erik!

Jag tänkte att jag kunde återgälda tjänsten som du gjorde mig när du ställde upp som referens, med en egen referens.

Det är i stort sett omöjligt att förklara alla dina bra egenskaper, du har så många, men jag gjorde det så kort som möjligt och jag tror att de viktigaste personliga egenskaperna som du har framgår av denna korta text.

"Erik is a dedicated teacher and colleague whose dedication inspires others to extend their own academic skills. It is evident that he possesses high intellectual skills and his good spirits make him an excellent collaboration partner. I can truly recommend Erik to anyone who is looking for a person who is passionate about his work."

Mar 16, 2016

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You are receiving Recommendations emails. [Unsubscribe](#)
This email was intended for Erik Elfgrén (Assistant Professor at Luleå University of Technology). [Learn why we included this.](#)

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E-mail: sverker@ltu.se
URL: <http://www.ltu.se/staff/s/sverker>

Luleå
11 May 2009

To whom it may concern

Recommendation letter for Erik Elfgren

Dear Colleagues,

Erik Elfgren is an extremely talented young doctor of physics and deputy senior lecturer of physics courses. I have known him all since he entered the Engineering Physics education at this university in 1996.

Already then rumours were around that an exceptionally gifted student was in the first-year class. So I got to know him and decided more or less directly that I would try to recruit him as a PhD student four years later. And so I did.

But before Erik got his MSc diploma here, he spent time at Université de Montréal in Canada with the help of one of our exchange programmes. He even got an MSc exam also there, and did his diploma work with a group in experimental particle physics. I was his local examiner here for this thesis.

Erik learnt fluent French while in Montréal, and also found his future wife there. In addition he worked with a project of relevance for the Large Hadron Collider (LHC) at CERN, thanks to which he got excellent contacts at CERN, and has since visited CERN many times. In particular Erik predicted the expected experimental signatures of so-called hyper-axions – one of the heavy particles expected at LHC at extreme energies.

Back in Luleå, Erik wanted to be a PhD student in physics, and he was happy to find that this could be under the umbrella of a newly started graduate school of space technology. The school was in fact given to our university by the Swedish government, after an application written by me on behalf of our faculty. It paid the

main part of Erik's salary and provided a number of space courses, while most of Erik's courses, and his research were planned by me. Erik chose to work with cosmology and astroparticle physics.

The work in cosmology was done with French collaborators from Grenoble, Lyon and Paris. They were adjoint to the consortium of the Planck satellite mission, which had done some preliminary tests of equipment with the help of a balloon sent up from Kiruna. This is how Erik got to know about them, and why he contacted them.

Erik's first two works in cosmology were mainly performed by him, with smaller contributions, and supervising, from his French colleagues. They are about the effects of cosmic dust on the cosmic microwave radiation. Erik found that these effects might be detectable by the Planck mission.

This way of working is typical for Erik's other research as a PhD studies. He gets ideas and does most of the research and computing himself, with some help and advice of the more senior experts in the field, which he contacts. He thereby proves that he can work both independently, and together with well-known specialists.

Later he got interested in the fate of neutrinos in space and the prospect of massive ones as contributors to dark matter. So he and I analysed the situation and suggested ways to find signatures of such neutrinos, with Erik as the driving force. We found that heavy neutrinos might be seen through neutrino-antineutrino annihilations into two photons, and the current data put some limits on their masses.

Finally, his PhD thesis contains one paper on the role of so-called preons for quarks and leptons. We focused on neutrinos as composite objects, and predicted signatures of preons in high-energy collisions, above all in electron-positron annihilation, such as in (the closed) LEP machine at CERN.

Erik passed his PhD thesis in January 2008, with Professor Joseph Silk from Oxford as the faculty-appointed opponent, and with three prominent Swedish professors on the grading committee.

While working on his PhD thesis Erik has also helped us with excellent physics teaching. In fact, Erik has an unusual talent for teaching, and is much liked, not to say loved, by his students. The normal course enquiries from our students praise him, and he is, in fact, almost the only one, out of some ten teachers, who is mentioned by name in very positive words. He has been involved mostly in two first-year courses in physics. But after one senior teacher went abroad for half a year, Erik took over also one advanced course in astrophysics and cosmology and another one in non-linear physics, again with very good results and wordings from the students.

After he passed his PhD exam he was promoted to a deputy senior lectureship, starting last summer, with full-time teaching. Since April this year he has become examiner (head teacher) of our third first-year course in physics, containing basic relativity, nuclear physics, astrophysics and mechanics. It has some 400 students, which means that Erik also has a leading role for about a dozen teachers, some of whom are freshmen.

On the pedagogical side Erik is also heading an activity that aims at helping students who need extra training with solving physics problems. He holds one evening session per week, where several teachers are involved. A few dozen students from all types of physics courses participate each time. Erik recruits the teachers and oversees the activities.

One very meriting activity of Erik's is that he has been appointed Director of the graduate school in space technology, mentioned above. He was one of the first to pass his PhD thesis within the school. Now he manages the whole school on some 30% of his time.

Erik is also involved in several extra-curricular activities, such as within a boy-scout community and within the church. In Canada he took active part in a telephone-activity aimed at helping desperate persons with a need to talk to someone.

Erik is hence trained in everything expected from an experienced teacher, and from a caring human being, and he manages beyond all expectations. He loves these activities and shows the students, colleagues and friends that he does. He enjoys a good joke, and contributes many himself.

So I consider him a perfect candidate for any job or activity that he applies for, and I am proud to call him my friend.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Sverker Fredriksson', with a long horizontal flourish extending to the right.



Montreal, June 2002

To whom it may concern:

Letter of reference for Erik Elfgren

I have known Erik for about two years. At first, he worked under my supervision for completion of his Master of Science thesis at the Luleå University of Technology, Sweden. His thesis receiver in Sweden was Professor Sverker Fredriksson. For this project, he was assigned to do the simulation and reconstruction of events in ATLAS, at the LHC, from a process of production of a hypothetical particle, the hypercharge axion, which is predicted to exist in some theories of baryogenesis. He worked also in close collaboration with Gilles Couture for the theoretical aspects of the project. I must say that I was extremely impressed by the efficiency with which he has brought the project to completion. The theoretical motivation required understanding some concepts which were quite new to him. He searched through the literature, and discussed in detail the different problems with myself and theorists at McGill. The phenomenological aspect of the project was also very efficiently dealt with, thanks, in part, to his excellent familiarity with computers and software.

While working on the hypercharge axion project, Erik was also helping me with the analysis of OPAL data on single top production, in a flavour-changing neutral current channel. He became quickly essential to the analysis, and was co-author of the published technical and physics notes.

Having been very satisfied with his work, I was happy to learn that he was interested in MSc studies in Montreal. I became, then, his official supervisor and proposed a project on the search for excited leptons from the data of the OPAL experiment. He obtained a first estimate, from a parton-level study, of the accessible limit from single excited lepton production. He then went on to produce fully simulated data, under various assumptions of parameters and has performed the analysis, comparing expected signal and backgrounds with observed data. He has done a very careful work and completed his study promptly and efficiently.

Not only was Erik taking courses while working on the excited lepton project, but he also helped me with another project, the sensitivity of LHC to Z-pair production at high mass. The motivation was to complete a systematic study of gauge boson pair



production in dynamical symmetry breaking scenarios. A Chiral Lagrangian model was used to evaluate the expected strength of a hypothetical resonance. Erik was very helpful in generating simulated signal and background data using an automatic Born-level generator called COMPHEP. He also participated in the subsequent analysis.

Although Erik has started with me essentially as an engineering student, it was clear from the beginning that he had also a passion for physics. I find him extremely motivated and enthusiastic. He has taken a number of courses, expressing particular interest in theoretical physics. He is an active and intelligent student, and I believe that he has been very well exposed to a number of particle physics topics. I interacted with him, naturally, to discuss the progress of his work, but on the whole, he is quite autonomous and efficient.

In short, I believe that Erik Elfgrén has the background, motivation, and competence for a successful career in physics, and I recommend him very strongly. I remain at your disposal for more information.

With best regards

A handwritten signature in dark ink, appearing to read "G. Azuelos".

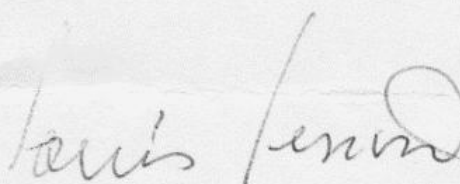
Georges Azuelos
professeur associé
Université de Montréal

tel : +1-514-343-5804
azuelos@lps.umontreal.ca

To whom it may concern,

Erik Elfgren has worked as a teaching assistant in my course on electromagnetism and optics. As such, he had to mark one substantial homework per week and teach a two-hour class every week. He has done it in a very professional manner and was praised by the students of the course. Once a week, I discussed with him the various topics that he had to cover; often, he made interesting and well substantiated remarks on ways to improve the students grasp of the various subjects. He is certainly one of the best assistants that I have had during a rather long teaching career. He is well motivated, intelligent and has an open attitude towards the students which is essential for a good transmission of knowledge. I am convinced that he will be a very successful teacher if he chooses that career. Given his excellent reputation as a research student, I think that he possesses all the important ingredients for developing into a good university professor if he is given the opportunity.

Given the excellent reputation that he has acquired during his stay in our university, I am certain that he will be well received wherever he decides to go either as a student or as a member of a research group. I am a bit sad that he is not staying in our group to complete his doctorate; he belongs to this rather small group of students that every professor would like to have in his group: hard worker, motivated, excellent team member. I wish him the very best in his future activities.



Louis Lessard,
Physics Department,
Université de Montréal,
Montréal, Québec,
Canada

Birgitta Olovsson, 00-12-14 12.07 +0100, Re: Resestipendium**1**

To: Birgitta Olovsson <Birgitta.Olovsson@adm.luth.se>
 From: "Sverker.Fredriksson" <sverker@mailhost.mt.luth.se>
 Subject: Re: Resestipendium
 Cc:
 Bcc:
 X-Attachments:

Hej igen!

Jag nominerar som sagt Erik Elfgrens examensarbete till detta pris. Erik är student på teknisk fysikprogrammet, och kommer trots långa utlandsvistelser (i England och Kanada) att tillhöra den minoritet teknologer vid LTU som blir färdig i tid med studierna. Han presenterar sitt arbete den 18/12, och är därmed klar med sin civilingenjörsexamen.

Erik är den klart duktigaste studenten, av dem jag känner i F5-klassen. Han läste min kurs i partikelfysik i fjol, och stimulerade mig, och de andra studenterna, genom att vara mycket aktiv och positiv på lektionerna.

Hans examensarbete heter "Detection of a Hypercharge Axion in ATLAS" och handlar om ett riktigt hett delområde av partikelfysiken. Axioner är en sorts partikel som ännu inte upptäckts, men som föreslagits av en amerikansk nobelpristagare som förklaring till många mystiska fenomen i mikrokosmos, och även ute i universum, inte minst vid själva skapelseögonblicket för 13 miljarder år sedan. Forskarna har letat efter spår av axioner i årtionden, men utan resultat. Nu tror många att de kan upptäckas vid den stora acceleratormaskin (LHC) som byggs vid världens största forskningslaboratorium CERN utanför Genève, och som blir färdig kring år 2005. Erik har arbetat med en grupp vid Montreal-universitetet, som ska försöka hitta axioner i ett experiment vid CERN efter 2005. Hans arbete består i att räkna ut hur många axioner som kan skapas per år i detta experiment, och på vilket sätt de ska upptäckas. Eriks examensarbete blir därför en viktig del i sökandet efter axionerna.

Det är hedersamt för LTU, inte bara att vi har så duktiga studenter, utan också att de finns med i vetenskapens absoluta frontlinje redan under grundutbildningen. Erik är verkligen inte den förste F-teknolog som arbetat framgångsrikt inom sådan internationell forskning, men en av de bästa.

Det är därför en glädje att få nominera honom till ett mer påtagligt bevis på hans framgångar.

Varma hälsningar
 Sverker

Till programansvariga vid LTU (TFN)
 Norrbottens tekniska förening har för avsikt att dela ut resestipendium till den eller de studenter som presenterat det eller de bästa examensarbetet/examensarbetena inom de tekniska programmen. Lärare vid LTU kan lämna förslag. Jag ber dig lämna ett förslag till mig så snart som möjligt men senast torsdag den 14 december. Svarar gärna på frågor.
 Hälsningar Birgitta Olovsson

~~~~~  
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Postadress/Postal address: SE-971 87, Sweden
Telefon/Phone: +46 920 491000, *Telefax/Fax:* +46 920 491913
Hemsida/Homepage: <http://www.ce.luth.se>
Postgiro: 760815-6

To whom it may concern

Erik Elfgren has worked for the Department of Civil Engineering, Luleå University of Technology between June 13th and August 4th 2000 with system development.

Erik has set-up the new department server (RedHat 6.2), with programs like Apache, SMB, IMAP, IMP, php, MySQL and Matlab. He was also co-responsible for the maintenance of the computers (Windows and Unix) and printers as well as computer support to the users. The work also included the development of a web based monitoring system with data-base access (php communicating with MySQL and MATLAB), giving the user the possibility to easily automate and retrieve monitoring data, plots, etc wherever in the world he/she may be.

Erik Elfgren has independently and with great care done everything that he has been assigned. He also has a positive and constructive attitude and has always been willing to take on new tasks. It's therefore a pleasure to give him the best of my recommendations.

4th August 2000

Thomas Olofsson

Prof. Dr Thomas Olofsson
Datorpost/E-mail: Thomas.Olofsson@ce.luth.se
Institutionen för/Department of: Väg- och vattenbyggnad/Civil and Mining Engineering
Avdelningen för/Division of: Structural Engineering



ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
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CERN, EP ISOLDE
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Switzerland

Téléfax/fax +41 (22) 767 8990
Téléphone/Telephone +41 (22) 7679415
E-mail Friedhelm.Ames@cern.ch

Geneva, 13 September 1999

To Whom It May Concern,

Report on Erik Elfgren

Erik Elfgren has participated in the 1999 CERN summer students program from June 8th to August 20th. Besides the official CERN summer students' lectures, he attended during this time he was working in our group at the online mass separator facility ISOLDE. The project he was involved in is the set up of an accelerator for radioactive ions (REX-ISOLDE). His task was to build up and bring into operation some parts on the controlling system. These devices were PROFIBUS slaves, which he first assembled and then he wrote the software to include them into the existing control system. This system consists on a VME computer and a PC and the software is written in C and C⁺⁺. After this he wrote the driver software for a VME based function generator also included in this control system.

As the working on such a system was new to him, he needed some supervision in the first time of his stay. His understanding of the project went on very fast. After the introductory phase he was able to work independently and he could finish this tasks very well, so that the results can be used in the ongoing project. Also the documentation on the programs he delivered is very helpful.

Generally I would like to say, that despite of his inexperience in this field, Erik Elfgren could manage to fulfill his tasks in an excellent way, and I also think he enjoyed his stay at CERN and the participation in the experiments.

Dr Friedhelm Ames

UNIVERSITY OF CAMBRIDGE
DEPARTMENT OF PHYSICS

Telephone: +44 1223-337322
Facsimile: +44 1223-350 266
E-mail: htg10@phy.cam.ac.uk

CAVENDISH LABORATORY
MADINGLEY ROAD
CAMBRIDGE CB3 0HE
UNITED KINGDOM

5 August, 1998

To Whom It May Concern:

Re: Erik Elfgrén

Erik worked as a Technical Vacation Assistant in the Cavendish Laboratory between June 1 and July 24 1998. He worked on a project aimed at developing a technique for applying Shadow Moiré Profilometry to carved inscriptions and biometry. The aim was to enable rapid non-contact measurements to be made giving complete three-dimensional information regarding the shape of a surface. He continued the work of a previous student, who had set up a working measurement system, but had not completed all the software tools needed to perform the complex data analysis.

Erik developed the necessary tools to process the data, and also many ways of assessing the success of a given experiment. By the end of his stay, he was able to produce low-noise maps of height across the specimen, within well-understood parameters. His relative lack of understanding of optics was compensated for by an aggressive and organised approach to software development. He did, however, deduce the most effective experimental geometries for making various types of measurements. His tools and programmes were all well written, well documented, and effective. He studied the problems posed by colour changes in the specimen, and went some way towards solving them. Whilst his work was almost completely qualitative, the results were of a very high quality, and so well documented that future workers should have little difficulty in picking up where he left off.

He maintained a positive approach to his work throughout, and appeared to enjoy the challenge of developing new tools and ideas.

Erik is, of course, at a very early stage of his career, his first degree not yet being complete. He performed very well considering his age and background, though, not surprisingly, there are gaps in his knowledge and experience. I feel he has the potential to become a good research scientist, if that be the career he chooses to follow.

If you require further information, or a confidential reference regarding Erik, please do not hesitate to contact me at the above address.

Yours faithfully



H.T. Goldrein, MA, PhD, C. Phys., M. Inst. P.



Handläggare
Annika Nilsson, ke

Datum
1998-01-28

Vår referens

ARBETSINTYG

Härmed intygas att Erik Elfgren, 771221-8937, har tjänstgjort vid MEFOS, Avdelningen för Värmning och Bearbetningsteknik i Luleå, under tiden 1997-06-16--08-30, samt 1997-12-29-1998-01-09 (sammanlagt 8 arbetsveckor) som praktikant. Under denna tid har han sysslat med programmering i Visual Basic.

Arbetsuppgifterna har bestått av att deltaga i utvecklingen av en preprocessor till programmet Crown426. Programmet används för att beräkna profil och planhet vid valsning av platta produkter. Erik Elfgren har främst arbetat med datahanteringen. Han har utvecklat rutiner för inläsning och utskrift av data. Då programmet har många valmöjligheter erfordrades en god logisk förmåga för att genomföra uppgiften.

Erik Elfgren har genomfört sina arbetsuppgifter på ett utmärkt sätt, både självständigt och tillsammans med våra forskare.

MEFOS
Avdelningen för
Värmning och Bearbetningsteknik

Nils-Göran Jonsson
Forskningschef



Certificate

Erik Elfgren

Research Supervision Course

Fall 2015

The Research supervision course at LTU includes the following areas:

- LTU's vision and strategy
- control and management of third-cycle education including rules and guidelines
- intended learning outcomes in third-cycle education
- supervisory role and relations
- research financing
- supervisory models
- gender, equality and diversity
- research ethics.

Luleå 2016-02-08

A handwritten signature in blue ink, which appears to read 'Johan Carlson', is written over a horizontal line.

Johan Carlson, Head of The third-cycle programme group.



INTYG OM GODKÄND KURS

Härmed intygas att Erik Elfgrén med godkänt resultat genomgått kursen **Forskningsfinansiering** som givits av Grants Office, Luleå tekniska universitet, vårterminen 2010. Kursens omfattning motsvarar 3 poäng i forskarutbildningen.

Kursen har bestått av följande kursmoment.

- Det svenska finansieringssystemet för forskning.
- Hur man skriver en ansökan om forskningsmedel och hur den bedöms av finansiären.
- Finansiering från svenska råd, fonder och stiftelser.
- Finansiering från EUs ramprogram och EUs strukturfonder.
- Finansiering från myndigheter, företag och offentlig sektor
- Finansiering efter disputation: post-doc stipendier och forskarassistenttjänster.
- Bra att veta om juridik och att skriva avtal med en finansiär
- Inlämningsuppgift – egen ansökan

Luleå, den 31 Maj, 2010

Anders Henriksson (fil. dr.)
Kursansvarig



Grants Office
Luleå tekniska universitet

Inbjudan

Kurs i forskningsfinansiering, vt-2010

Kursen vänder sig till dem som vill lära sig mer om forskningsfinansiering. För dig som är doktorand så motsvarar kursen 3p. i forskarutbildningen (kursen ger poäng i forskarutbildningen efter godkännande av handledare).

Anmälan till: Anders Henriksson (kursansvarig) Anders.Henriksson@ltu.se , Grants Office, senast 2010-02-19.

Språk: Svenska

Deltagare: Doktorander och övrig personal. Antalet deltagare är maximerat till 30.

Lärare: Anders Henriksson (PhD), Maria Bideke, Ann Jonsson och Jan Marcusson från Grants Office samt Lennart Elfgrén (Professor) från Inst. för Samhällsbyggnad.

Mål: Deltagarna kommer efter genomgången kurs ha tillägnat sig grundläggande färdigheter inom forskningsfinansiering.

Krav för godkänt: Närvaro vid föreläsningarna (minst 3 av 4) samt godkänd inlämningsuppgift.

Schema – kurs i forskningsfinansiering vt -2010

Fyra undervisningstillfällen enligt nedan:

23/2, kl. 10-12, Lokal B1309

Innehåll:

- 1 A, Introduktion till kursen.
- 1 B, Det svenska finansieringssystemet för forskning
- 1 C, Att skriva en ansökan om forskningsmedel
- 1 D, Utdelning av examensuppgift – egen ansökan.

Lärare: Anders Henriksson

9/3 kl. 10-12, Lokal B1309

Innehåll:

- 2 A, Vad är viktigt i en ansökan
- 2 B, Hur en ansökan bedöms av finansiären
- 2 C, Post-doc stipendier och forskarassistentjänster

Lärare: Professor Lennart Elfgrén, Anders Henriksson

23/3 kl. 10-12, Lokal B1309

Innehåll:

3 A, Finansiering från EUs ramprogram

3 B, Finansiering från EUs strukturfonder

Lärare: Maria Bideke, Ann Jonsson

13/4 kl. 10-12, Lokal B1309

Innehåll:

4 A, Finansiering från myndigheter, företag och offentlig sektor

4 B, Bra att veta om juridik

4 C, Att skriva avtal med en finansiär

Lärare: Jan Marcusson, Anders Henriksson

1/5

Inlämning av examensuppgift - egen ansökan.



KURSINTYG

Erik Elfgren

har genomgått

Forskarutbildningsprocessen - Att handleda och handledas 2 poäng

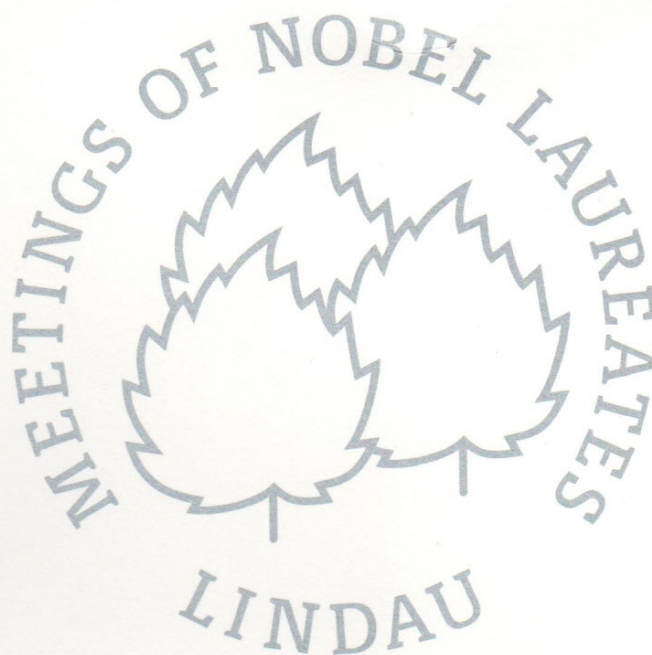
Kursinnehåll

Strategiarbete
Forskarutbildningsprocessen
Jämställdhet
Handledning i praktiken
Kreativitet, balans och självbild
Regelverk och intern resursfördelning
Forskningsfinansiering

Luleå december 2006

A handwritten signature in blue ink, appearing to read 'Jonas Hedlund', is written over a horizontal line.

Jonas Hedlund, forskarutbildningsansvarig Teknisk fakultet



CERTIFICATE

This is to certify that

ERIK ELFGREN

Fellow of the Nobel Foundation

has been chosen in a competition among young scientists worldwide
to participate in the 58th Meeting of Nobel Laureates,
Germany, June 29th – July 4th 2008.

Council for the Lindau
Nobel Laureate Meetings

Countess Sonja Bernadotte,
President

Prof. Dr. Lars Bergström,
Scientific Co-ordinator

Prof. Dr. Burkhard Fricke,
Scientific Co-ordinator

Certificate

Erik Elfgrén



*has successfully participated in the
National Graduate School
in Space Technology*

Me Antta
Director



NORDITA

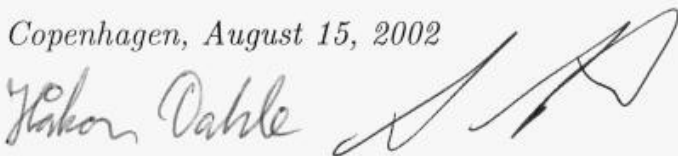
NORDISK INSTITUT FOR TEORETISK FYSIK
DANMARK · FINLAND · ISLAND · NORGE · SVERIGEBLEGDAMSVEJ 17
DK-2100 KØBENHAVN Ø · DANMARKTELEFON
+45 3532 5500TELEFAX
+45 3538 9157E-MAIL
nordita@nordita.dk*This is to certify that***Erik Elfgren**

has successfully participated in the
Summer School on: Cosmology and the High-Redshift Universe
5 - 15 August 2002, Abisko, Sweden
Supported by Nordisk Forskerutdannings Akademi (NorFA) and Nordita

The school contained courses on the subjects:

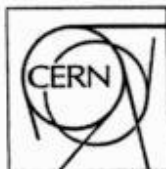
The Cosmic Microwave Background
The Early Universe – I. Inflation
The Early Universe – II. Big Bang Nucleosynthesis
Dark Matter
Dark Energy
Weak Gravitational Lensing
Sub-mm Cosmology
Galaxy Formation
Gamma-ray Bursts, Damped Lyman-alpha Absorbers
and Lyman-alpha Emitters as Cosmological Probes
Introduction to Neutrino Physics

Anthony Lasenby (Cambridge, UK)
Dominik Schwarz (TU Wien and CERN)
Steen Hannestad (Nordita)
Lars Bergström (Stockholm)
Ariel Goobar (Stockholm)
Håkon Dahle (Nordita)
David Hughes (INAOE, Mexico)
Jesper Sommer-Larsen (TAC, Copenhagen)
Johan Fynbo (ESO, München)
Tommy Ohlsson (KTH, Stockholm)

The course consisted of 30 hours of lectures and 15-20 hours of group work.*Copenhagen, August 15, 2002*

Haakon Dahle and Steen Hannestad
Nordita
Course Directors

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH
Laboratoire Européen pour la Physique des Particules
European Laboratory for Particle Physics



ATTESTATION

CERTIFICATE

Je, soussignée, certifie que / I, the undersigned, certify that

Erik ELFGREN

a suivi le / attended the

***Programme des Etudiants d'été
Summer Student Programme***

du / from 8 June 1999 au / to 20 August 1999

A handwritten signature in black ink, appearing to read "T. Peeters", with a long horizontal flourish extending to the right.

Tanja Peeters

*Summer Student Programme Coordinator
Coordinatrice du Programme des Etudiants d'été*

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

Laboratoire Européen pour la Physique des Particules
European Laboratory for Particle Physics



ATTESTATION

CERTIFICATE

I, the undersigned, certify that

Erik ELFGREN

Has presented a poster on 19 August 1999 titled,

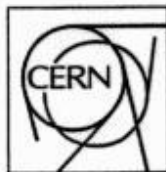
***Isolde
Isotope Separator On-Line Device***

*In the framework of the
Summer Student Poster Session*

Tanja Peeters

**Summer Student Programme Coordinator
Coordinatrice du Programme des Etudiants d'été**

ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH
Laboratoire Européen pour la Physique des Particules
European Laboratory for Particle Physics



ATTESTATION

CERTIFICATE

I, the undersigned, certify that

Erik ELFGREN

has presented a student lecture on 13 August 1999, titled:

Control System for the Ion Accelerator at Isolde

In the framework of the

Summer Student Lecture Programme

Tanja Peeters

**Summer Student Programme Coordinator
Coordinatrice du Programme des Etudiants d'été**