



UNIVERSITY OF VAASA

FACULTY OF TECHNOLOGY

DEGREE CERTIFICATE

FOR

The Degree of Master of Science in Technology

DIPLOMI-INSINÖÖRI

Siddhartha Lama

(born 5 November 1986) has been awarded the degree of Master of Science in Technology in accordance with the Finnish decree on University degrees (794/2004). The degree was completed in a Master's degree programme in Telecommunication Engineering, in which the language of instruction was English.

Master's Degree Programme

Telecommunication Engineering	advanced studies	70 credits	satisfactory
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The Master's thesis entitled "*PAPR in LTE Uplink: Problem and Improvement*" (30 credits) is included in the advanced studies and is awarded the grade good.

Other Studies

Complementary studies	25 credits	good
Other studies	26 credits	

Total amount of credits

121 credits

See transcript of academic records for detailed information about the courses included in this Master's degree.

The holder of this degree certificate is eligible for doctoral studies in the field of Telecommunication Engineering.



VAASA, 19 JUNE 2013

Erkki Antila
Dean

Helena Varmajoki
Head of Study Affairs

Lama Siddhartha

94772

051186

Date of Registration

01.08.2010



PRIMARY STUDY RIGHT

Degree	Master of Science in Technology
Government Decree	Government Decree on University Degrees (794/2004)
Degree Programme	Master's Programme in Telecommunication Engineering
Admission	Master's admission

Valid	01.08.2010- 31.07.2014	Studies attended from	01.08.2010
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Thesis

Accepted	29.05.2013	Grade	H	30.00 Cr
Examiner		Elmusrati Mohammed Salem		
Thesis		PAPR IN LTE UPLINK: PROBLEM AND IMPROVEMENT		

		Cr	Date	Examiner
130	Master of Science in Technology	121.0	19.06.2013	Faculty of Tech

STUDIES INCLUDED IN THE DEGREE

		Cr	Grade	Date	Examiner
MENETEL	METHOD STUDIES	15.00	pass	30.04.2012	Head of Study A
KENG9211	Writing Academic English I	3.00	2	31.03.2011	Sundqvist
KENG9311	Writing Academic English II	2.00	1	30.04.2012	Sundqvist
KSUO5111	Finnish for Foreigners 1	5.00	2	13.05.2011	Sjöholm
ORMS1020	Operations Research	5.00	3	19.02.2011	Sottinen
MUUTM	OTHER STUDIES	10.00	pass	24.04.2012	Head of Study A
MATH2040	Advanced Optimization	5.00	5	27.04.2011	Sottinen
TITE2190	The Basics of C-programming	3.00	1	07.12.2010	Glocker
TLTE3090	Telecommunications Seminar	2.00	pass	24.04.2012	Elmusrati
SUUNNAN	COMPLEMENTARY STUDIES	25.00	3	18.05.2012	Head of Study A
STAT3030	Stochastics Processes	5.00	2	04.04.2011	Sottinen
TLTE2010	Mobile Communication Services and Systems	5.00	3	09.03.2012	Elmusrati
TLTE2040	Telecommunication Software	5.00	4	18.05.2012	Glocker, Elmusrati
TLTE2050	Telecommunication Electronics	5.00	3	07.04.2011	Hänninen
TLTE3110	Wireless Networks	5.00	4	26.04.2011	Hänninen
YLEIS	GENERAL STUDIES	1.00	pass	03.11.2011	Head of Study A
OPIS0025	Information Skills 1	1.00	pass	03.11.2011	Löytölä

Number of ECTS Credits	51.00
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Lama Siddhartha

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STUDIES INCLUDED IN THE DEGREE

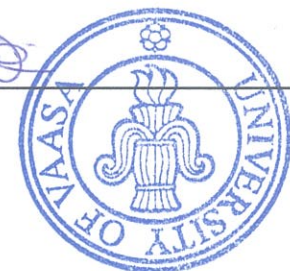
		Cr	Grade	Date	Examiner
Telecommunications Engineering					
TLTSYV	TELECOMMUNICATION, ADVANCED STUDIES	70.00	2	13.06.2013	Head of Study A
AUTO3210	Seminar on Automation Technology	3.00	pass	11.01.2012	Alander
KNÄY3003	M.A. Essay Exam (contents, foreign language)	0.00	pass	24.05.2013	Elmusrati
TITE3140	Cryptography	5.00	3	29.03.2011	Niinimäki
TLTE2020	Advanced Course in Signals and Systems	5.00	2	17.09.2011	Virrannkoski
TLTE2030	Telecommunication Architectures	5.00	3	28.01.2011	Hänninen
TLTE3010	Digital Communication	5.00	2	13.12.2011	Elmusrati
TLTE3050	Radio Resource Management	5.00	1	23.12.2011	Elmusrati
TLTE3070	Special Topics in Telecommunications	2.00	pass	13.06.2013	Glocker
	- "A novel clustering algorithm for efficient energy saving in Wireless Sensor Networks", "Fault Management for Smart Wireless Sensor Networks" and "Research of Capacity Optimizing model on Wireless Mesh Networks"				
TLTE3090	Telecommunications Seminar	3.00	pass	30.04.2012	Elmusrati
TLTE3120	Computer Simulation in Communication and Systems	5.00	2	21.12.2011	Fikadu
TLTE3130	Embedded C-Programming	2.00	3	17.12.2012	Glocker
TLTE3991	Master's Thesis Presentation	0.00	pass	01.06.2013	Sottinen
TLTE3990	Master's Thesis	30.00	H	29.05.2013	Faculty dean
Number of ECTS Credits		70.00			

Total Number of ECTS Credits

121.00

CERTIFIED BY

Helena Varmajoki
Head of Study Affairs



Grading Scale:

5 =excellent

4 =very good

3 = good

2 = satisfactory

1 = sufficient

hyv. = passed, no grading

kiit. = passed with distinction