Degree: Doctor of Philosophy Confer Date: 2016-07-29 Plan: Electrical Engineering					Plan: Session: Course	2012 Spring Term Electrical Engineering, Doctor of Philosophy Regular Academic Session Description Attempted Earned Grade Points				
		_			ECE 763	Computer Vision	3.000 3.000	A 12.000		
	Beginning of Graduate Re	cord	1 - 2 - 3		ECE 895	DR Dissertat Res	3.000 3.000	S 0.000		
D1	2009 Fall Term				MA 723	Theo Matric Applic	3.000 3.000 9.000 9.000			
Plan:	Electrical Engineering, Master of Scient	nce				Term GPA: 4.000 Term Totals:	9.000 9.000	6.000 24.000		
Session:	Regular Academic Session Description Atte	maked Henry	Consider.	Dadasa		2012 Fall	Torm			
<u>Course</u> ECE 513	<u>Description</u> Digital Sig Proc Attempted Earned Grade Points 3.000 3.000 A 12.000				Plan:	Electrical Engineering, Doctor of Philosophy				
ECE 513	Random Processes 3.000 3.000 A- 11.001			Session:						
ECE 514		3.000 3.000	A- A	12.000	Course	Description	Attempted Earned	Grade Points		
ECE 600	_	1.000 1.000	S	0.000	ECE 895	DR Dissertat Res	9.000 9.000	S 0.000		
псп ооо		0.000 10.000	9.000	35.001	202 073	Term GPA: 0.000 Term Totals:		0.000 0.000		
		10.000 10.000	2.000	33.001						
	2010 Spring Term				2013 Spring Term					
Plan:	Electrical Engineering, Master of Science				Plan:	Plan: Electrical Engineering, Doctor of Philosophy				
Session:	Regular Academic Session				Session:	Regular Academic Session				
<u>Course</u>	<u>Description</u> <u>Atte</u>	mpted Earned	Grade	<u>Points</u>	<u>Course</u>	<u>Description</u>	Attempted Earned	<u>Grade</u> <u>Points</u>		
ECE 515	Digital Communicat	3.000 3.000	A	12.000	ECE 895	DR Dissertat Res	9.000 9.000	0.000		
ECE 520	3	3.000 3.000	A-	11.001		Term GPA: 0.000 Term Totals:	9.000 9.000	0.000 0.000		
ECE 570		3.000 3.000	A	12.000						
ECE 767		3.000 3.000	A+	12.999		2013 Fall				
	Term GPA: 4.000 Term Totals: 1	2.000 12.000	12.000	48.000	Plan:	Electrical Engineering, Doctor	of Philosophy			
					Session:	Regular Academic Session				
	2010 Fall Term	,			Course ECE 895	Description DR Dissertat Res	Attempted Earned 3.000 3.000	Grade Points S 0.000		
Plan:	Electrical Engineering, Doctor of Phil	osopny			ECE 895	Term GPA: 0.000 Term Totals:		0.000		
Session:	Regular Academic Session	www.ad Hawmad	G d-	Dadata		Term GPA: 0.000 Term Totals:	3.000 3.000	0.000 0.000		
Course ECE 766		<u>mpted</u> <u>Earned</u> 3.000	<u>Grade</u> A	<u>Points</u> 12.000		2014 Spring	Term			
ECE 775	<u> </u>			Plan:	Electrical Engineering, Doctor of Philosophy					
MA 523		3.000 3.000 11 11.001			Session:	Regular Academic Session				
MA 323		9.000 9.000	9.000	36.000	Course	Description	Attempted Earned	Grade Points		
	Term GIA: 1.000 Term Totals.	3.000 3.000	3.000	30.000	ECE 895	DR Dissertat Res	3.000 3.000	S 0.000		
	2011 Spring Term					Term GPA: 0.000 Term Totals:	3.000 3.000	0.000 0.000		
Plan:	Electrical Engineering, Doctor of Phile	osophy								
Session:	Regular Academic Session					2014 Fall	Term			
Course	<u>Description</u> <u>Atte</u>	mpted Earned	<u>Grade</u>	<u>Points</u>	Plan:	Electrical Engineering, Doctor	of Philosophy			
ECE 751	Detect & Esti Theo	3.000 3.000	A+	12.999	Session:	Regular Academic Session				
ECE 752	Information Theory	3.000 3.000	A+	12.999	Course	<u>Description</u>	<u>Attempted Earned</u>	<u>Grade</u> <u>Points</u>		
ECE 895		6.000 6.000	S	0.000	ECE 895	DR Dissertat Res	3.000 3.000	S 0.000		
	Term GPA: 4.000 Term Totals: 1	2.000 12.000	6.000	25.998		Term GPA: 0.000 Term Totals:	3.000 3.000	0.000 0.000		
2011 Fall Term										
	2011 Fall Term				Plan:	_ <u>-</u>				
Plan:	Electrical Engineering, Doctor of Philosophy			Session:	Electrical Engineering, Doctor of Philosophy Regular Academic Session					
Session:	Regular Academic Session	mated Farmed	Cmade	Dointa	Course	Description	Attempted Earned	Grade Points		
<u>Course</u> ECE 546		mpted Earned 3.000 3.000	<u>Grade</u> A	Points 12.000	ECE 895	DR Dissertat Res	3.000 3.000	S 0.000		
ECE 546 ECE 762		3.000 3.000	A A	12.000	ECE 073	Term GPA: 0.000 Term Totals:		0.000		
ECE /02	5	3.000 3.000	A	12.000			5.000 5.000	3.333		

0.000 24.000

Print Date: 2016-10-06

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3.000 3.000 S 9.000 9.000 6.000

895 DR Dissertat Res

Term GPA: 4.000

Term Totals:

North Carolina State University Unofficial Transcript Page 2 of 2
Name: Yuan Lu Student ID: 000961855 Birthdate: XXXX-07-04

- - - - - - - Graduate Record (Continued) - - - - - - -

2015 Fall Term

Plan: Electrical Engineering, Doctor of Philosophy

Session: Regular Academic Session

CourseDescriptionAttemptedEarnedGradePointsECE895DR Dissertat Res3.0003.000S0.000

Term GPA: 0.000 Term Totals: 3.000 3.000 0.000 0.000

2016 Spring Term

Plan: Electrical Engineering, Doctor of Philosophy

Session: Regular Academic Session

 Course
 Description
 Attempted
 Earned
 Grade
 Points

 ECE
 895
 DR Dissertat Res
 3.000
 3.000
 S
 0.000

 Term GPA: 0.000
 Term Totals:
 3.000
 3.000
 0.000
 0.000

2016 Summer Term 2

Plan: Electrical Engineering, Doctor of Philosophy

Session: Summer Five Week Session

 Course
 Description
 Attempted
 Earned
 Grade
 Points

 ECE
 896
 Summer Dissert Res
 1.000
 1.000
 S
 0.000

 Term GPA:
 0.000
 Term Totals:
 1.000
 1.000
 0.000

Graduate Career Totals

Cum GPA: 4.000 Cum Totals: 98.000 98.000 48.000 192.999

- - - - - - - Non-Course Milestones - - - - - - - -

Doctoral Preliminary Comprehensive Examination 2014-05-19 Exam Taken - Pass Unconditional

Doctoral Admission to Candidacy

2014-05-19 Exam Taken - Completed

Doctoral Final Comprehensive Examination

2016-06-01 Exam Taken - Pass Unconditional

Doctoral Dissertation - ETD Committee Approval

Distributed and Channel-Adaptive Spectrum Detection, Sensing, and Access

for Rational Cognitive Radio Users.

2016-07-19 Submitted Work - Completed

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Print Date: 2016-10-06