

EVENT SCHEDULING FORM

Date: June 9, 2015

✓ Amirhosein

Last Name:	Amirhosein Azarbakht ✓		First Name:	Azbakht-	Middle Initial:
Former Name:					
Student ID:	931901446	Email Address:	azarbaka@onid.oregonstate.edu		
Department:	Electrical Engineering & Computer Scienc				
Address:	1148 Kelley Engineering Center				
	Corvallis, OR 97331				
Day Phone Number:	3472760790				

Please Note: Complete this form and submit it to the Graduate School at least two weeks prior to an oral preliminary exam or final defense.

<input checked="" type="checkbox"/> Oral Preliminary Exam (PhD students only)	RECEIVED
<input type="checkbox"/> Final Oral Examination (Doctoral or Masters)	
<input checked="" type="checkbox"/> Thesis Option	<input type="checkbox"/> Non-Thesis Option

APR 23 2015

Degree:	Doctor of Philosophy (PhD) ✓	Graduate School Oregon State University
Major:	Computer Science ✓	
Option:		
Major 2:		
Major 3:		
Minor 1:		
Minor 2:		

WHEN AND WHERE

Date and Time:	June 9, 2015 - 3pm-5pm	<input type="checkbox"/> M	<input checked="" type="checkbox"/> T	<input type="checkbox"/> W	<input type="checkbox"/> Th	<input type="checkbox"/> Fri
Building:	Kelley Engineering Center	Room:	1007			

COMMITTEE MEMBERS

Name	Role	Department
Carlos Jensen ✓	Major Professor	EECS
Margaret Burnett ✓	Committee Member	EECS
Ronald Metoyer ✓	Committee Member	EECS
Christopher Scaffidi ✓	Committee Member	EECS
Maggie Niess ✓	Graduate Council Representative	College of Education

OFFICE USE ONLY:		Date Confirmation Mailed:	
Registration Confirmed:	✓	Date Thesis Mailed:	

Graduate School

Report of Preliminary Oral Examination for Doctoral Degree

Name: Azarbakht, Amirhosein

Degree: Doctor of Philosophy (PhD)

Student ID: 931901446

Major: Computer Science

Exam Date: June 9, 2015

Major (Dual Major only):

Option:

Minor:

Minor:

We, the undersigned, have conducted a preliminary oral examination of the above named candidate, and the recommendation of this committee is:

Candidate has passed and should be advanced to candidacy:

- With NO dissenting votes.
- With ONE dissenting vote.

Major Professor:
Carlos Jensen

Candidate has not passed: (Two or more negative votes)

- The committee recommends, by majority vote, that the student's work toward this degree be terminated.
- The committee recommends, by majority vote, that the student be allowed to take a re-examination, but not before

Graduate Council Rep:
Margaret Niess

Committee Member:
Margaret M Burnett

Committee Member:
Ronald A Metoyer

Committee Member:
Christopher Paul Scaffidi

.....
(No more than two re-exams are permitted by the Graduate School, although academic units may permit fewer re-exams.)

I have been informed of and understand the above action:

Student:

Date:

Note:

If the committee agrees unanimously to recess the preliminary oral exam, the Graduate Council Representative must indicate the reason for recess on the checklist provided. A recess is only appropriate in the case of an emergency such as illness on the part of the student or committee member. The checklist and this report of preliminary oral examination must be returned to the Graduate School immediately.

Graduate School

**Doctoral Preliminary Oral Examination
Learning Outcomes Assessment Table**

Student's Name Azarbakht, Amirhosein Major Computer Science

UNIVERSITY GRADUATE LEARNING OUTCOMES ASSESSMENT

Please complete the following table on assessment of the student's achievement of the university GLO's after consulting the committee members. Record within the cells a count for the number of committee members who believe the student were below, met or exceeded expectations for each University GLO. Comments are especially welcome to explain differences of opinion with respect to meeting expectations.

The GCR, **NOT STUDENT**, is responsible for returning this form and the report of the preliminary oral examination to the Graduate School. These can either be scanned and sent electronically, or placed in a sealed envelope and sent in campus mail, or delivered in person.

Graduate Learning Outcomes	Below Expectations	Met Expectations	Exceeded Expectations	Comments
Demonstrated mastery of subject material				
Conduct scholarly or professional activities in an ethical manner (see program of study for method used to teach)				

**RETURN THIS FORM AND THE REPORT OF PRELIMINARY ORAL EXAMINATION TO THE GRADUATE SCHOOL
IMMEDIATELY AFTER THE MEETING**

Graduate School

Doctoral Preliminary Oral Examination Graduate Council Representative Checklist

Student's Name Azarbakht, Amirhosein Major Computer Science

GENERAL

The major professor chairs the doctoral preliminary oral examination. The Graduate Council Representative (GCR) chairs the evaluation of the student's performance after the exam. The exam and evaluation must be scheduled with the Graduate School at least two weeks prior to the meeting date. If the date and time of the meeting do not agree with those listed on the Schedule Form, if the committee composition differs from that on the Schedule form, or if any committee members are absent, **DO NOT PROCEED WITH THE MEETING**. Contact the Graduate School immediately (7-4881) for instructions.

A copy of the student's doctoral program, with grades entered for completed courses, will be sent to the GCR for committee use prior to this meeting. If a prior written examination was conducted by the major department rather than the student's committee, the major professor is responsible for providing the committee a copy of this examination and student's examination results. The GCR should assure that these are available. Additional information about the content of the preliminary oral examination is included in the "Guidelines for the GCR" also provided to the GCR prior to the examination. All committee members, including the GCR, are expected and encouraged to participate in examining the student. No committee member should be allowed to monopolize the examination, and the student must be given an adequate and fair opportunity to respond to the questions.

EVALUATION

The basic question for the committee is whether the student is adequately prepared to conduct doctoral level research and has a good chance of successfully completing such research. The committee is to assess the mastery of relevant subject material and knowledge, and the student's ability to conduct scholarly or professional activities in an ethical manner. Following a discussion of the student's performance on the examination, each committee member is then asked whether the student achieved expectations and to vote whether or not the student has passed. IF the student does not meet expectations, then the student should not pass. It is appropriate for secret ballots to be used, and secret ballots must be used if requested by any committee member.

If there is one negative vote on this question, the student will have passed. If there are two or more negative votes on this question, the student has not passed. If the committee's decision is that the student has not passed the examination, the committee must then decide whether or not to allow the student to take a re-examination. If the majority of the committee votes in favor of a re-examination, the recommendation for re-examination should be recorded. In addition, the committee must set a time interval that must elapse before the re-examination is permitted. If the majority of the committee votes against a re-examination, the recommendation to terminate the student's work toward this degree should be recorded.

On rare occasions, the committee may conclude that a recess of the examination is in order. This decision should be reached prior to the normal end of the examination and there should be compelling reasons why the examination should not continue (e.g., illness on the part of the student or a committee member, an emergency that requires the immediate attention of the student or a committee member). The recess should not be used because of inadequate preparation or performance by the student. In this case, a no-pass decision is

appropriate with the possibility of re-examination. A recess decision must be unanimously agreed upon by the committee, and details of the situation must be provided on this checklist.

CHECKLIST

Yes or No

1. or Was the examination conducted at the scheduled time?
2. or Were all committee members present?
3. or If a written examination was conducted by the major department prior to this oral examination, were the examination and the student's results available to the committee?
4. or Were all committee members given an adequate opportunity to examine the student?
5. or Was the student given an adequate and fair opportunity to respond to the questions?
6. or Was the examination recessed? If yes, provide details regarding the reason for this decision.

7. If a re-examination was recommended, what stipulations were provided to the student?

8. Other Comments?

Please sign _____

Graduate Council Representative

Date _____

PLEASE RETURN THIS FORM AND THE REPORT OF PRELIMINARY ORAL EXAMINATION TO THE GRADUATE SCHOOL IMMEDIATELY AFTER THE MEETING

updated 4/24/15 dkj

**OREGON STATE UNIVERSITY
GRADUATE SCHOOL
PROPOSED DOCTORAL PROGRAM**

Check One PhD EdD

DOCTORAL

Last Name (Family)	Azarbakht	First Name	Amirhosein	Middle Init.	(Former)
Day Phone #	(347)276-0790	ID#	931901446	Email Address	azarbaam@eecs.oregonstate.edu

Degrees	University	Chalmers University of Technology	Major	Intelligent Systems Design	Degree	M.Sc.	Date	2011
	University	Azad University of Central Tehran	Major	Computer Engineering	Degree	B.Sc.	Date	2008

Academic Unit		Electrical Engineering and Computer Science				First Minor								
Major		Computer Science				Second Minor								
Transfer Symbol	G*	Title of Major Courses		Course		Cr.	Gr.	Symbol	G*	Title of First Minor Courses	Dept	No.		
				Dept	No.									
	G	Algorithms & Data Structures		CS	515	4	B-							
	G	Theory of Computation		CS	517	4	B-							
		HCI Research Methods		CS	519	3	A-							
		Open Source Software Development		CS	519	4	A							
		Cloud & Mobile Software Development		CS	569	4	A							
	G	Empirical methods for field (case) studies in software engineering		CS	569	4	A							
	G	Theory of Statistics		ST	561	3	B							
	G	Theory of Statistics		ST	562	3	B+							
		Methods of Data Analysis		ST	511	4	A							
	G	Computer Vision		CS	556	4	A-							
T1	G	Artificial Intelligence 1		CS	5.62.75		A							
T1	G	Science and Research Methodology		CS	11.25.75		B							
T1	G	Unix Kernel Internals		CS	5.62.75		B							
T1	G	Ubiquitous Computing		CS	5.62.75		A							
T1	G	Physical Computing		CS	5.62.75		A							
G		Machine Learning		CS	534	4	A							
G		Research		CS	601	15	R							
G		PhD Thesis		CS	603	36	R							
												SUPPORTIVE REQUISITES		
												Foreign language requirements vary among academic units.		
												Languages		
												Ph.D. students shall "be able to conduct scholarly activities in an ethical manner." Indicate the training you have completed or will complete to meet this learning outcome. See the back of this form for more information.		

Transfer courses indicated above:

Transfer Symbol	University
T1	Chalmers University of Technology, Sweden
T2	
T3	
T4	

*Mark courses that will be graduate standalone with the letter "G" in this column

Ethical Research Training CS 507 ✓

a. Total Major Hours	625.73
b. Total Minor 1 Hours	
c. Total Minor 2 Hours	
<hr/>	
d. Total 4XX/5XX Program Credits	15
e. Total Graduate Standalone Credits	122
TOTAL CREDITS ON PROGRAM (d+e)	137

The **program of study will be audited** to determine if it is accurate and it meets the minimum requirements for this degree as established by the OSU Faculty Senate. Please be sure that the following items are correct:

1. Student name, phone, ID number, email address, degree held, year awarded, and institution from which it was received.
2. The academic unit, major, and minor, if applicable, are indicated. Please run an **unofficial** copy of your OSU transcript to attach to this form: https://admininfo.ucsadm.oregonstate.edu/prod/twbkwbis.P_WWWLogin
3. The program of study satisfies the residence requirement. That is, (1) a minimum of 36 credits on the form are courses taken at OSU after admission as a regular, degree-seeking graduate student and (2) a minimum of three terms of full-time graduate academic work (at least 9 credits/term) will be spent on site at the Corvallis campus or at an off-campus site approved by the Graduate School. Transfer courses as defined above are not counted toward this residence requirement.
4. The maximum number of blanket numbered courses is 15 on a 103 credit degree program.
5. A transfer symbol is indicated for each transfer course (T1 for the first university, T2 for the second, etc.)
6. Transfer courses have been approved by your major advisor and minor advisor if they are in the minor field. All transfer courses must be either:
 - a. Graduate courses taken at OSU while I was a special, non-degree student, or
 - b. Graduate courses taken at OSU and reserved for graduate credit while I was an undergraduate student, or
 - c. Graduate courses taken at OSU and reserved for graduate credit while I was a postbaccalaureate student, or
 - d. Graduate courses taken at other accredited universities after I had received a baccalaureate degree.
7. All courses listed as transfer courses must comply with policies :
 - a. be graded B, B+, A-, A, or A+ (no P/N, S/U, credit/no credit graded courses will be allowed), and
 - b. not have been used on a previous master's or doctoral degree, and
 - c. grades of "B" (3.00) or better have been earned.
8. For each standalone graduate course a G is entered in the G column.
9. Each course in the major and minor has a title, abbreviated if necessary, a department code, a course number, number of credits and a grade, if the course has been completed.
10. Grades of non-transfer courses listed on this program will be either C or above, or P, or R for research.
11. The total number of credits at the 4XX/5XX level is entered. And the number of 5XX or 6XX credits is entered.
12. No more than 50% of the credits are slash courses (the 5XX component of a 4XX/5XX course). To determine if a course is a slash course examine the OSU course catalog for the term that you took 5XX course. If there is a 4xx course with the same title during the same term, then this is a slash course.
13. Your plan includes training in the conduct of scholarly activities in an ethical manner. See http://oregonstate.edu/dept/grad_school/assessment.php.
14. Your total number of credits must be at least 108. (Your major may require more credits—check with them.)
15. Your major professor and at least one other member of your committee must be members of the Graduate Faculty in your major. Your minor professor, if you have a minor, must be a Graduate Faculty member in your minor. All other committee members must be members of the OSU graduate faculty with authority to serve on doctoral advisory committees.
16. The program of study must be signed by the student, the major professor, the minor professor, if a minor is declared, other members of the advisory committee, and the academic unit chair.

Student's Signature

AMIRHOSEIN AZARBAKHT

Signature

11/06/2013

Date

APPROVED - Major Professor

CARLOS JENSEN

Typed Name

11/6/13

Date

APPROVED - Committee Member

MARGARET BURNETT

Typed Name

11/6/13

Date

APPROVED - Committee Member

RONALD METOYER

Typed Name

11/6/13

Date

APPROVED - Committee Member

CHRISTOPHER SCAFFIDI

Typed Name

11/6/13

Date

APPROVED - Minor Professor
(if minor is declared)

Typed Name

Signature

Date

APPROVED - Graduate Council Rep

ABI FARSONI

Typed Name

Signature

11/6/13

Date

APPROVED - Academic Unit Chair

BELLA BOSE

Typed Name

Btson

11/11/13

Date

APPROVED - Graduate School

Rosemary Garagnani

Signature

Date

12/27/13

Graduate School

Guidelines for the Graduate Council Representative

The Graduate Council is represented on a graduate student's committee by a graduate faculty member outside the student's major and minor areas. This Graduate Council Representative (GCR) is required for all doctoral committees, all M.A.I.S. committees, and all masters' degrees involving a thesis. A student pursuing a non-thesis master's degree may chose a GCR for their committee, but one is not required. The GCR is selected by the student from a list provided by the Graduate School. The GCR is a full voting member of the student's committee and must participate in all meetings and examinations. The GCR functions as a regular member of the committee, participating in all examinations, deliberations, and decisions. In addition, the GCR is responsible for assuring that the conduct of all committee meetings and actions are in compliance with policies and procedures of the Graduate Council as presented by the Graduate School. The GCR assumes responsibility for assuring fair and appropriate treatment of the student and all committee members, and for assuring the integrity of the degree.

GENERAL DUTIES AND PROCEDURES

The GCR is the representative of the Graduate Council on the graduate student's committee. The GCR affirms the integrity of the degree by confirming that institutional policies are being followed. The GCR is also responsible for assuring that the student receives fair and impartial treatment at the meetings. At all meetings, the GCR must verify that all committee members, or their approved substitutes, are present before the meeting is allowed to proceed. If one or more committee members are absent, the GCR must immediately call the Graduate School (7-4881) for instructions on how to proceed. The GCR should also confirm that the meeting is at the time scheduled with the Graduate School.

The GCR is required to attend the following formal meetings:

- All M.A.I.S. students: program meeting, final oral examination
- All other masters' students writing a thesis: final oral examination
- All doctoral students: program meeting, preliminary oral examination, final oral examination

Other meetings, (e.g. thesis proposal meetings, meetings to examine written examinations or to evaluate student progress) may be held at the discretion of the student's committee or major department. The GCR, along with all other committee members, should attend all such meetings if at all possible.

Prior to each required formal meeting, the GCR will receive the following via email from the Graduate School:

1. **Schedule Form** showing the date, time, and place of meeting and committee composition;
2. **GCR Checklist** relevant to the specific meeting;
3. **Examination Reports**, where appropriate.

The checklists and examination reports are to be returned promptly to the Graduate School after the meeting.

PROGRAM MEETINGS (M.A.I.S. AND DOCTORAL)

The student's major professor, or chairperson, will chair these meetings. There is no minimum length of time for these meetings, although it is recommended that the meetings be scheduled for one hour. The primary purpose of this meeting is to ensure that the proposed program of study submitted by the student meets the minimum requirements of the Graduate School and the graduate program, while also fulfilling the student's needs and desires. The program meeting should be held early enough in the student's academic career to permit all committee members to have input and influence on the program.

PRELIMINARY ORAL EXAMINATION (DOCTORAL)

The student's major professor chairs the examination and the GCR chairs the evaluation of the student's performance. If a prior written examination was conducted by the graduate program rather than the student's committee, the GCR should ascertain that this examination and examination results were available to all members of the student's doctoral committee prior to the preliminary oral examination.

The purpose of the preliminary examination is to assess the mastery of relevant subject material and knowledge, and the student's ability to conduct scholarly or professional activities in an ethical manner. It is also to determine if the student is adequately prepared to conduct doctoral level research and has a good chance of producing an original significant contribution to knowledge within the disciplines. The exam may cover the student's proposed research topic, although no more than one-half the time should be devoted to specific aspects of the proposal. This examination is taken near the completion of all course work on the student's program. The examination should be scheduled for at least two hours.

This examination is traditionally attended only by the student's committee. All committee members, including the GCR, are expected and encouraged to participate in examining the student. No committee member should be allowed to monopolize the examination, and the student must be given an adequate and fair opportunity to respond to the questions.

If more than one negative vote is recorded by the examining committee, the candidate will have failed the oral preliminary examination. No more than two re-examinations are permitted by the Graduate School, although academic units may allow fewer than two re-examinations.

FINAL ORAL EXAMINATION (DOCTORAL, M.A.I.S., ALL MASTER'S DEGREES INVOLVING A THESIS)

This examination should be scheduled for a minimum of two hours. The student's major professor chairs the examination and the GCR chairs the evaluation of the student's performance. The purpose of the final oral examination is to assess the mastery of relevant subject material and knowledge, evaluate an original contribution to knowledge (doctoral) or research and creative work, and assess the student's ability to conduct scholarly or professional activities in an ethical manner.

The first part of the examination is the presentation and defense of the student's thesis (or research project). This is often presented as a seminar open to all interested parties. This portion should last no longer than one hour. All persons except the student's committee are then excused, and the committee continues the examination of the student's knowledge of his or her field. This may involve questions directly related to the student's course work, or questions relating to the course work of the student's research.

All members, including the GCR, are expected and encouraged to participate in examining the student. No committee member should be allowed to monopolize the examination, and the student must be given an adequate and fair opportunity to respond to the questions.

If more than one negative vote is recorded by the examining committee, the candidate will have failed the final oral examination. No more than two re-examinations are permitted by the Graduate School, although academic units may allow fewer than two re-examinations.