

Do not answer any question that makes you uncomfortable
Please do not put your name on this survey

Researching Science Graduate Education—
Situated Learning, Culture, Information Grounds, and Social Networks
Thailand Graduate Student Survey

Demographic Information

1. What is your age?

- 15-20
- 21-25
- 26-30
- 31-35
- 36-40
- older than 40

2. What is your gender?

- Male
- Female

3. What degree are you pursuing?

- Master's
- PhD
- Other, **please describe:** _____

4. If you are pursuing a PhD, where did you obtain your Master's degree? _____

5. If you hold a Master's degree, what field is it in? _____

6. If you hold a Master's degree, how long did it take you to earn it?

- 18 months
- 2 years
- 3 years
- 4 years
- more than 4 years

7. How long have you been pursuing your current graduate degree?

- 0 to 4 months
- 5 to 12 months
- 1 to 2 years
- 3 to 4 years
- 5 to 6 years
- more than 6 years

Personal History

8. When did you become interested in science and/or engineering?

- As a child, before 12 years of age?
- As a teenager, between 12 and 17 years of age?
- As an undergraduate?
- Other times? **Please describe:** _____

9. Who, if anyone, influenced you to become a scientist or engineer?

◆ **Please select all that apply.**

- Friend?
- Family members?
- Teacher/Professor?
- Graduate student?
- Guest speaker in a class?
- No one person in particular?
- Other people? **Please describe:** _____

10. How did you become interested in science and/or engineering?

◆ **Please select all that apply.**

- Movies?
- Television?
- Books?
- School?
- Other influences? **Please describe:** _____

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11. On a scale of 1 to 5 (1 being unimportant and 5 being extremely important) how important were the following in making your decision to go to graduate school?

	Unimportant	←—————→			Extremely Important
	1	2	3	4	5
Sense of prestige	1	2	3	4	5
Needed for future career	1	2	3	4	5
Expanded employment opportunities	1	2	3	4	5
Economic benefit for you	1	2	3	4	5
Improve the quality of your life	1	2	3	4	5
Scientific intellectual curiosity	1	2	3	4	5
Family expectations	1	2	3	4	5
Improve the quality of life in your country	1	2	3	4	5
Benefit for humankind	1	2	3	4	5
Best option at the time	1	2	3	4	5
Please list any other reasons that are not mentioned above and their importance in the space below:					
_____	1	2	3	4	5
_____	1	2	3	4	5
_____	1	2	3	4	5

12. Of the factors listed above in question 11 which one is the most important?

Please explain: _____

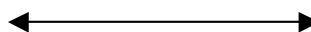
13. Of the factors listed above in question 11 which one is the least important?

Please explain: _____

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14. On a scale of 1 to 5 (1 being unimportant and 5 being extremely important) how important were the following in making your decision to enter your field of study?

	Unimportant				Extremely Important
	1	2	3	4	5
Desire to work with a particular scientist in the field	1	2	3	4	5
Desire to emulate a prominent scientist in the field	1	2	3	4	5
Passion for field of study	1	2	3	4	5
Please list any other reasons that are not mentioned above and their importance in the space provided below:					
<hr/>	1	2	3	4	5
<hr/>	1	2	3	4	5
<hr/>	1	2	3	4	5

15. Of the factors listed above in question 14 which one is the most important? **Please explain:**

16. Of the factors listed above in question 14 which one is the least important? **Please explain:**

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17. On a scale of 1 to 5 (1 being unimportant and 5 being extremely important) how important were the following in making your decision to attend your current university?

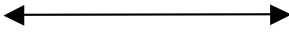
	Unimportant	←—————→			Extremely Important
	1	2	3	4	5
Only program accepted into	1	2	3	4	5
Program with the highest graduate stipend/benefits	1	2	3	4	5
Prestige of the university	1	2	3	4	5
Prestige of the program	1	2	3	4	5
Geographical location	1	2	3	4	5
Please list any other reasons that are not mentioned above and their importance in the space provided below:					
_____	1	2	3	4	5
_____	1	2	3	4	5
_____	1	2	3	4	5

18. Of the factors listed above in question 17 which one is the most important? **Please explain:**

19. Of the factors listed above in question 17 which one is the least important? **Please explain:**

Career Issues

20. On a scale of 1 to 5 (1 being not valuable and 5 being extremely valuable) please answer the following:

	Not Valuable				Extremely Valuable
What is the value of research to you?	1	2	3	4	5
What is the value of science to society?	1	2	3	4	5

21. What do you want to do after you graduate?

◆ **Please select all that apply.**

- University Professor
- Research Scientist in Industry/Government
- Instructor
- Practicing engineer
- Consultant
- Business owner
- Other, **please describe:** _____

22. Of those checked above, which one do you most prefer? **Please describe why:**

23. Which one do you least prefer? **Please describe why:**

24. What do you think will be *the two most* important issues you will face when you graduate?

- Family issues
- Job opportunities
- Salary
- Funding in your field
- Don't know
- Other, **please describe:** _____

25. What are *the two most* important issues facing you at this stage in your graduate career?

- Family issues
- Course work
- Laboratory work
- Publishing research findings
- Teaching responsibilities
- Acquiring funding

26. Have you discussed any of the career issues in questions 20 to 25 with your advisor?

- Yes
- No

27. If you answered *yes* to question 26, *please explain* which career issues you have discussed:

28. If you answered *no* to questions 26, *please explain* why you have not discussed career issues with your advisor:

Weekly Activities

29. In a typical week, how much time do you spend working with your advisor?

- No time
- Less than 1 hour
- 1 to 3 hours
- 4 to 5 hours
- 6 or more hours

30. In a typical week, how much time do you spend working on your degree?

- Less than 10 hours
- 10 to 20 hours
- 20 to 40 hours

- 40 to 60 hours
- More than 60 hours

31. In typical week, how much time do you spend working in the laboratory?

- Less than 10 hours
- 10 to 20 hours
- 20 to 40 hours
- more than 40 hours

32. In a typical week, how much time do you spend on course work?

- Less than 10 hours
- 10 to 20 hours
- 20 to 40 hours
- more than 40 hours

33. In a typical week how much time do you spend working in the library?

- Don't use the library
- Less than 10 hours
- 10 to 20 hours
- 20 to 40 hours
- more than 40 hours

34. In a typical week how much time do you spend working in your office?

- Less than 10 hours
- 10 to 20 hours
- 20 to 40 hours
- more than 40 hours

35. In a typical week how much time do you spend working at home?

- Less than 10 hours
- 10 to 20 hours
- 20 to 40 hours
- more than 40 hours

36. In a typical week how much time you spend on teaching responsibilities including preparation, grading, and office hours?

- No hours
- 1 to 10 hours
- 10 to 20 hours
- 20 to 40 hours
- more than 40 hours

37. In a typical week how much time per week do you spend interacting with other graduate students?
- No hours
 - 1 to 2 hours
 - 3 to 5 hours
 - more than 5 hours

38. How much time do you think your advisor believes is the right amount of time to spend on your degree during a typical week?

- 10 to 20 hours
- 20 to 40 hours
- more than 40 hours

Professional Activities

39. How many conferences have you attended while pursuing your *current* degree?

- No conferences
- 1 conference
- 2-3 conferences
- 4 or more conferences

40. What did you do at the conferences? **Please check all that apply.**

- Presented a poster
- Presented a paper
- Searched for a job
- Attended sessions
- Interacted with experts in your field
- Other, **please describe:** _____

41. How many publications do you have related to your research?

- No publications
- 1 publication
- 2-3 publications
- 4 or more publications

Interpersonal Issues

42. From 1 to 3, **rank** the following in terms of who you spend the most time with in a typical week when you are not working.

◆ 1 equals the most time spent ◆ 2 equals second most time spent ◆ 3 equals the least time spent

- ___ Family?
- ___ Colleagues in your field?
- ___ Colleagues not in your field?

43. Think about the person who is not a member of your family who you spent the most time with outside of work during a typical week. Which of the following best describes this person?

- Graduate student in your field?
- Graduate student in not in your field?
- Not a graduate student?
- Professional in your field?
- Professional not in your field?
- Professor in your field?
- Professor not in your field?
- Any other person not mentioned above but in you field? **Please describe:**

- None of the above? **Please describe:**

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44. Think of the 3 non-family individuals who are part of your *closest* social support network.
Write their initials in the spaces provided at the top of the 3 columns in the table below and then
answer the questions in the left hand column for *each* of the 3 people.

	Person 1's Initials _____	Person 2's Initials _____	Person 3's Initials _____
What is their gender?			
Male?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Female?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
What is their age?			
15-20	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
21-25	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
26-30	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
31-35	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
36-40	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
older than 40	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Of the following check <i>the one</i> that best applies to this person:			
Professional?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Non-professional?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Of the following choose <i>the one</i> that best applies to this person:			
Graduate student?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Undergraduate student?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not a student?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If not a student, please describe their occupation in the space provided below:			
Person 1	_____		
Person 2	_____		
Person 3	_____		
Of the following check <i>the one</i> that best applies to this person:			
Works or studies in your field?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does not work in your field?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Works or studies in a related field?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Please list the related field in the space provided below:			
Person 1	_____		
Person 2	_____		
Person 3	_____		

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Scholarly Information Issues

45. On a scale of 1 to 5 (1 being unimportant and 5 being extremely important), *how important* are the following in helping you with your research?

	Unimportant				Extremely Important
	1	2	3	4	5
Scholarly journals in print	1	2	3	4	5
Scholarly journals found on the Internet	1	2	3	4	5
Other information from the Internet	1	2	3	4	5
Books	1	2	3	4	5
Textbooks	1	2	3	4	5
Attendance at Conferences	1	2	3	4	5
E-mail discussion with fellow students	1	2	3	4	5
Face-to-face discussion with fellow students	1	2	3	4	5
E-mail discussion with your advisor	1	2	3	4	5
Face-to-face discussion with your advisor	1	2	3	4	5
E-mail discussion with post doctoral fellows	1	2	3	4	5
Face-to-face discussion with post doctoral fellows	1	2	3	4	5
E-mail discussion with laboratory technicians	1	2	3	4	5
Face-to-face discussion with laboratory technicians	1	2	3	4	5
Please list any other resources that are not mentioned above and their importance in the space provided below:					
_____	1	2	3	4	5
_____	1	2	3	4	5
_____	1	2	3	4	5

46. Of the information resources listed above in question 45 which one is the *most important* to your research? **Please explain:**

47. Of the information resources listed above which in question 45 one is the *least important* to your research? **Please explain:**

48. In a typical week how much time do you spend at the library looking for information to help you with your research?

- Zero to 30 minutes
- 30 to 60 minutes
- 1 to 2 hours
- More than 2 hours

49. In a typical week how much time do you spend reading journal articles?

- Zero to 30 minutes
- 30 to 60 minutes
- 1 to 2 hours
- More than 2 hours

50. In a typical week how much time do you spend using the Internet looking for information to help you with your research?

- Zero to 30 minutes
- 30 to 60 minutes
- 1 to 2 hours
- More than 2 hours

51. If you use the Internet, please list the 5 sites you visit most frequently in a typical week:

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Additional Comments

52. Please add any additional comments you would like about graduate science education in the space provided below:

Thank you very much for your participation!