

Seminar 3:

Researcher's path Research ethics



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School of Electrical
Engineering

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Seminars and schedule 2 cr

WHAT?	WHEN?	TOPICS / ADDITIONAL
Seminar 1: Kick-off	1 September, at 9-11 TU7	Introduction of the course, announcement of the assignments and forming groups Researcher's path – Introduction to practical tips
Aalto Orientation Days for Doctoral Students	4-5 September	Highly recommended to participate Late enrollment to udes@aalto.fi
Seminar 2	15 September, at 9-11 TU7	Researcher's path – introduction continues Communications
Assignment DL	20 September	Practical tips assignment (individual)
Seminar 3	22 September, at 9-11 TU7	Researcher's path – what were the learning outcomes? Research ethics – introduction
Assignment DL	4 October	Ethics (group work)
Seminar 4	6 October, at 9-11 TU7	Research ethics – what were the learning outcomes? Publishing
Assignment DL	11 October	Career assignment (CV, career plan)
Seminar 5	13 October, at 9-11 TU7	CV and career plan workshop
Assignment DL	23 October	Writing assignment (group work)
Feedback sessions for groups (Language instructor William Martin)	27 October	20 min session/group on writing assignment
Seminar 6	10 November, at 9-11 TU7	Panel discussion and tips from graduated doctors
Assignment DL	20 November	Final assignment, diary-type Reflect your learning on seminar topics, Orientation Days and other assignments of the course.

Programme of today

- **9.15-9.45 Research ethics, Prof Ari Sihvola**
- **Break 15 min**
- **10.00-10.30 Group work on Practical tips assignment**
- **10.30-11 Wrap-up and next assignments**

Reminder: General principles of the course

- Dialogue
- Equality
- Openness and confidentiality
- Commitment to the course, group work and assignments



Aalto-yliopisto / Unto Rautio

Research Ethics – Prof. Ari Sihvola

Break, back at 10.00

Group work on the assignment

Practical Tips

Pekka Belt, Matti Möttönen & Janne Härkönen “Practical tips for doctoral students”

Assignment, part 1

- individual reflection

- **Take 2 minutes to reflect on which were the most important / valuable tips you got from reading the “Practical Tips” material?**
 - What did you learn / what was new for you?
 - What tips did you get for your doctoral studies?
 - Did you disagree with something?

Topics of the Practical Tips

- **A functional research group**
- **Tips for completing doctoral studies**
- **Tips for writing a monograph**
- **Tips for writing an article thesis**
- **Tips for writing articles**
- **Tips for applying for research grants**

Assignment, part 2

- group work

- You will be divided in groups.
- One group member presents his/her tips for the other group members. Then you discuss these tips, why are they important?
- Then the next group member will present his/her tips for the others and then you discuss those tips.
- And so on. You have 20 minutes time.
- Please prepare to present the best tips for the whole group

1.
Otto
Seyedkiarash
Trung
Shadi

2.
Adauto
Elias
Antti
Omar

3.
Nirangkush
Youqiang
Asta
Seyyed Mahyar

4.
Afsaneh
Fooqia
Väinö
Zeyu

5.
Priyanka
Veeti
Mostafa
Ekaterina

6.
Hannu
Xuebing
Yasaman

7.
Laura
Aleksandr
Tuomas
Xiaoya

Assignment, part 3

- break down of the group work

- Which are the best tips you got for your doctoral studies from this assignment?
- Is there something you will change/improve/do in a different way after reading/discussing these tips?
- Will you save this booklet, and get back to it later? Repetition?

Wrap-up - seminar 3

Is the following true for you?

- I have gotten a picture about what it is like to be a researcher and do research work.
- I have started to think more about research ethics

Researcher's path

- **In small groups, discuss for 5 minutes**
 - What has been the most important you have learned about the topic
 - Is there something that you would like to know more about related to the researcher's path?
- **You will have a possibility to make questions for the recently graduated doctors, who will answer your questions in the panel discussion in seminar 6 (10.11)**
 - What would you like to ask the panelists in the last seminar? Add your questions beforehand to:
<https://presemo.aalto.fi/questions23>
 - Deadline: end of October.

Upcoming assignments

Assignment 2: Writing group work

- Have you all selected a topic and started planning your text?
- Remember to include the Author's contribution
- Group feedback in late October from William Martin. **Please enroll your group to a feedback session:**
<https://mycourses.aalto.fi/mod/choice/view.php?id=1080235>
- If something feels unclear, please contact William Martin (william.martin1970@gmail.com)

Assignment 3: Research ethics group work

- Assignment DL 4 October
 - The learning outcomes will be discussed in seminar 4
 - Research ethics course 23.10.-29.11.2023:
<https://www.aalto.fi/en/doctoral-education/research-ethics-for-doctoral-students-course>
 - Please note the new version (2023) of the Finnish code of conduct for research integrity.
 - The procedure for handling violations of research integrity will be applied to doctoral thesis which have been submitted for pre-examination.
- Also to job and funding applications as well as CVs



Basic principles in research integrity

Reliability in ensuring the quality of research, reflected in the design, the methodology, the analysis and the use of resources.

Honesty in developing, undertaking, reviewing, reporting and communicating research in a transparent fair, full and unbiased way.

Respect for colleagues, research participants, society, ecosystems, cultural heritage and the environment

Accountability for the research from idea to publication, for its management and organization, for training, supervision and mentoring and for its wider impacts.



Research integrity (RI) violations are:

- Serious **intentional activity** that violates research integrity
- Activity in which research integrity has been seriously **neglected due to indifference or carelessness** when principles of RI could have been followed
- Activity in which research integrity has been seriously **neglected due to ignorance and unawareness** of RI principles and guidelines in force

Authorship

[https://tenk.fi/sites/tenk.fi/files/TENK suositus tekijyys.pdf](https://tenk.fi/sites/tenk.fi/files/TENK_suositus_tekijyys.pdf)

Assignment 4: Career assignment

- **Assignment DL 11 October**
 - Submit your current CV and career plan (preliminary)
- **In seminar 5, you will get feedback and tips for your CV and career plan from a peer**
- **Remember: the career plan is part of your Doctoral Personal Study Plan (DPSP). After this assignment, you can update the modified career plan to MyStudies**

Remember, to get 3 cr

WHAT?	WHEN?	TOPICS / ADDITIONAL
Assignment DL (3 cr course)	30 October	Pop-science pitch (individual writing)
Assignment DL (3 cr course)	6 November	Journal paper extended abstract (individual writing)
Assignment DL (3 cr course)	13 November	General research skills (individual)
Feedback sessions for the individual writing assignments (for 3 cr course)	14-15 November	20 min / student on individual writing assignments
Peer feedback DL (3 cr course)	4 December	Peer feedback on general research skills topic

Questions?

Remember also:

- To make notes after every seminar for the final assignment

Feedback from last time

- **What kind of tools should be preferred to make visuals or graphs for publication?**
- **The assignments are a bit unclear. Which group is for which assignment?**

See you in Seminar 4! (6.10.2023)



Feedback on the course so far?

<https://presem0.aalto.fi/intro23>