

DITET

Swiss Federal Institute of Technology Zurich Dept. of Information Technology and Electrical Engineering Power Systems Laboratory (PSL)

Doctoral Plan

Basic Information

Doctoral Student	Jane Doe	Advisor	Jane Doe, Ph.D.
Student Number	XX-XXXX-XX	Second Advisor	Jane Doe, Ph.D.
Start of Doctorate	DD-MM-YYYYY		

Tentative Title of the Doctoral Thesis

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Part 1 Research Proposal

(please add extra pages here; use the following structure to describe your research work)

1. Abstract

Present the background of your research project, list its main goals, describe the methods to be used and the expected results, as well as their impact on the field and beyond.

2. Introduction and Current State of Research in the Field

Describe your project in the context of the current state of knowledge in your field. Refer to the most important publications. Describe briefly:

- Which previous insights provided the starting point and basis for your project
- In which areas research is needed, and why

3. Goals of the Thesis

Describe the research questions you address in your research project and the concrete objectives that you aim to achieve in the period of your doctorate.

Illustrate the expected impacts of your project: how will your proposed research add to existing knowledge in the field? How and where might your results be used? How do you intend to disseminate your research?

4. Progress to Date

Present the research work you have already undertaken in the relevant field, describe the results obtained so far (including publications), as well as the relevance of these preliminary undertakings for your project. Also, describe your "negative results": what could you learn from this if something went wrong?

5. Detailed Work Plan

Describe the studies or experiments envisaged to reach the set goals. Present your work plan in the form of work packages (WP), each defining the task and describing the methods used and the expected outcome. In general, a work package should describe 3 - 12 months of work. Assess the risks involved for each work package: if the work package does not work, do you have various options, which other parts of your plan are affected, what is the backup?

WP 1: ... WP 2: ...

6. Publication Plan

For each work package, list the tentative publication in a specific conference or journal.

7. Time Schedule (potentially as a visualization)

Indicate the tentative timeframe for each work package. Your time schedule should be based on the average time of 4 years of doctorate.

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8. References

List the sources of all work referred to in the research proposal. Give the full reference, especially the title, source, and full author list (use a style commonly adopted in your research field).

Part 2 Teaching Responsibilities

Describe which teaching tasks you are assigned to and indicate (roughly) how many hours you devote to such activities each week.

Teaching tasks are, e.g., assisting in lectures, practical classes, exercise classes, correcting students' reports, supervising undergraduates in semester projects, summers schools, marking/overseeing exams.

Part 3 Further Tasks

If relevant, describe which additional tasks you are assigned to (e.g., operation or maintenance of equipment). Indicate (roughly) how many hours you devote to such activities each week.

Signatures

Date Signature Doctoral Student Signature Supervisor Signature Second Advisor