

Project Title

Research Theme #: title

Author

This is a possible template of the Research Project annex that forms part of the application package of the PhD program in Bioengineering and Robotics offered by the University of Genoa and the Istituto Italiano di Tecnologia (Italian Institute of Technology). Importantly, please note that the Research Project is used by the Selection Committee to assess the candidate's attitude and capacity to carry out scientific research in the fields of bioengineering and robotics and, in particular, in the research sub-field identified by the selected theme. The project is not binding though for the research developed during the duration of the PhD course. The candidate will have the opportunity to fine-tune and improve the PhD project when submitting the thesis proposal (typically during the first year). Please note, however, that the Selection Committee will evaluate the application in the context of the selected Research Theme. Therefore, we strongly recommend that the Research Project is pertinent to that Research Theme. The project should not exceed 10 pages.

MOTIVATION AND RATIONALE

Place the proposed research within the setting of the Research Theme(s) that you have selected. What is the problem addressed by your project? Why is it significant?

STATE OF THE ART

Describe the state of the art which is relevant for this research proposal: What results or techniques do you plan to exploit? What do need to be improved?

OBJECTIVES

Please clearly state the general objectives of your research.

METHODOLOGY

Discuss methods, lab techniques, major equipment, analytical and computational tools that will be necessary to pursue the research objectives. If you will be using biological material or will deal with human subjects, discuss the ethical implications of your proposed research. Also discuss whether the necessary techniques are compatible with your current background and specify whether you will need specific training.

TENTATIVE WORKPLAN

Please try to formulate a work plan of your research project. Identify intermediate goals and crucial milestones. Please bear in mind that this PhD program has a typical duration of 3 years. You can get an extension, but in this case you or your supervisor will be responsible for your extra support.

EXPECTED RESULTS

Here you list the expected results that you expect achieve within the 3-years PhD program. Identify the results or techniques that you plan to achieve. Explain why these will result in a substantial advancement of science and/or technology. Speculate about the possible benefits of your intended research for society in general. Who will likely benefit from your research, at least in perspective?

BIBLIOGRAPHY

Only list the bibliographic references that are strictly relevant for describing the research proposal. All references should correspond to a citation in the text.