

# EKF-BASED LOCALIZATION WITH LRF

Gonalo Castilho (75305), Tiago Gomes (76079), Pedro Sousa (79205), and Markus Kühlen (85746)

**Abstract**—The abstract goes here.

**Index Terms**—IEEE, IEEEtran, journal, L<sup>A</sup>T<sub>E</sub>X, paper, template.

## I. INTRODUCTION

THIS demo file is intended to serve as a “starter file” for IEEE journal papers produced under L<sup>A</sup>T<sub>E</sub>X using IEEEtran.cls version 1.8b and later. I wish you the best of success.

mds

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## II. METHODS

The used methods will be described here. To fill the document the IST Wikipedia article is quoted. Enjoy it.

Instituto Superior Tecnico (IST) is a school of engineering,[2] part of the Universidade de Lisboa (University of Lisbon). Founded in 1911, IST is the largest and most prestigious school of engineering in Portugal. It is a public school with a large degree of scientific and financial autonomy

### A. Methods XY

Methods XY are used to show how to use subsection IST, since its foundation, has been the largest school of engineering, science and technology in Portugal, at undergraduate and postgraduate levels. It has three campi, all located in the Greater Lisbon area (Alameda in Lisbon, Taguspark in Oeiras and Tecnolgico e Nuclear Campus in Loures), and consists of ten Departments that are responsible for teaching the undergraduate and postgraduate programmes. Each Department is organised in sections, which group together specific subjects within its scientific area. In addition, the laboratories of the several Departments are an important source of support to the teaching and research activities carried out at IST.

1) *Method XY-Z* : Method XY-Z demonstrates how to use subsubsections. IST offers 18 undergraduate programmes attended by more than 6,000 students, covering a wide range of areas of knowledge, including not only all the traditional engineering specializations, but also other modern areas such as Biomedical Engineering, Aerospace and Physics Engineering. Over 4,500 students are enrolled in 33 masters, 31 doctoral and several specialized programmes.[citation needed] IST has produced 1,292 Ph.D. holders.[citation needed]

## III. METHODS

The implementation will be described here.

IST is also actively involved in several networks and international programmes to promote student mobility, both at undergraduate and postgraduate levels. Through a large

number of agreements with other institutions worldwide, IST participates in more than 20 Dual Master programmes, and joint PhD programmes with MIT, CMU, UT-Austin and EPFL.

## IV. METHODS

The used results will be presented here.

IST benefits from an IBM supercomputer built in 2007, which is one of the most powerful in Portugal (1.6 TFLOPS as of 2007).[3]

## V. CONCLUSION

Instituto Superior Tecnico (IST) was created in 1911 from the division of the Industrial and Commercial Institute of Lisbon. Alfredo Bensade, an engineer, was IST’s first dean (19111922) and promoted a wide-rang reform in the Portuguese higher technical education, including the first engineering courses at IST: mining, civil, mechanical, electrical, and chemical-industrial. IST’s second dean was Duarte Pacheco (19271932), also an engineer, who was responsible for the construction of the university campus at Alameda. The architect Porfrio Parda Monteiro designed it. Meanwhile, IST became part of the recently created Technical University of Lisbon. Throughout the following decade, the image of engineers from IST was projected into major engineering works, promoted by Duarte Pacheco, who was by the time Minister of Public Works.

## APPENDIX A

### PROOF OF THE FIRST ZONKLAR EQUATION

Appendix one text goes here.

## APPENDIX B

Appendix two text goes here.

## ACKNOWLEDGMENT

The authors would like to thank...

## REFERENCES

- [1] H. Kopka and P. W. Daly, *A Guide to L<sup>A</sup>T<sub>E</sub>X*, 3rd ed. Harlow, England: Addison-Wesley, 1999.