

# João Godinho

## Curriculum Vitae

✉ [godinho@fzu.cz](mailto:godinho@fzu.cz)

 0000-0002-4353-3902

born on 13<sup>th</sup> June 1991

## Experience

- 2016 – present **Doctoral studies (Ph.D.) in Physics of Nanostructures**,  
*Charles University in Prague and Institute of Physics ASCR, Czech Republic.*  
Thesis title: Current induced torques in antiferromagnetic layers and multilayers
- 2012–2015 **Master Degree (MSc) in Engineering Physics**,  
*Instituto Superior Técnico, Portugal.*  
Thesis title: Carrier Transport and Energy Harvesting in ZnO Nanowires (PDF)
- 08/2014–10/2014 **Internship program IAESTE**,  
*Paul Scherrer Institute, Switzerland.*  
Research on the interaction between Spin-Crossover molecules and ferromagnetic substrates on Dr. Thomas Jung group.
- 12/2013–02/2014 **Research Studentship**,  
*Instituto Superior Técnico, Portugal.*  
Development of novel lead-free materials for piezoelectric energy harvesting
- 2009–2012 **Bachelor Degree (BSc) in Engineering Physics**,  
*Instituto Superior Técnico, Portugal.*

## Contributions at Scientific Conferences:

- 2018 **Summer School ESM**, Krakow.  
Electrically induced and detected Néel vector reversal in a collinear antiferromagnet (poster)
- 2017 **Workshop on Antiferromagnetic Spintronics**, Grenoble.  
Second Harmonics AMR Detection in Antiferromagnets (poster)
- 2015 **EMRS 2015 Spring Meeting**, Lille.  
ZnO Nanowires Window Layers in Solar Cells (poster)

## Programming skills

C, C++, Python, Mathematica, Matlab

## Languages

Portuguese Native

English Fluent