



15/02/1992 (25 anos)

## Sónia Martins da Cunha

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### Academic Degrees

#### **Doctor of Philosophy candidate in Sustainable Energy Systems** (September de 2016 – )

MIT Portugal, Instituto Superior Técnico, Technical University of Lisbon, Portugal

Currently enrolled in the first year of the PhD program, taking courses and developing the thesis theme.



#### **Integrated Masters in Mechanical Engineering** (September de 2010 – November 2015)

Instituto Superior Técnico, University of Lisbon, Portugal

Finished the first cycle of the integrated Master in July of 2013 with an average of 14 out of 20. Concluded the second cycle, focused on energy, in November 2015 with a an average of 17 out of 20.

The master thesis, titled «The impacts of data availability in building energy performance simulation» was done under the orientation of Professor Paulo Ferrão and Doctor André Pina. The grade awarded to the thesis was 20 out of 20.



#### **Erasmus Mobility Program** (August 2013 – December 2013)

NTNU - Norwegian University of Science and Technology, Trondheim, Norway



### Professional experience

#### **Research fellow** (March 2016 – )

IN+ Center for Innovation, Technology and Policy Research (<http://in3.dem.ist.utl.pt/>), Instituto Superior Técnico, Lisbon



Working as a research fellow and contributing for a Lighthouse project called Sharing Cities, which is an EU-funded project on sustainable energy systems in urban areas. Contributing for the design of the buildings being rehabilitated, the development of an energy management system at building level and on the evaluation of the measures to be undertaken, which includes the design of a monitoring systems.



#### **Tutoring** (September 2017- December 2017)

Math tutoring of bachelor students.

(February 2014- May 2014)

Geometry tutoring of high school students.

### Other academic activities

(November 2016)

Instituto Superior Técnico, Technical University of Lisbon, Portugal

Invited to teach a theoretical and an exercise class regarding building energy simulation to 4<sup>th</sup> year Architecture students of the course Environmental Design.

### Complementary education

#### (2010) Master Class 2010 – Hands on Particle Physics

LIP, Instituto Superior Técnico, University of Lisbon, Portugal

#### (2010) Introduction to Solid Works

*Laboratório de Tecnologias de Informação* of the Mechanical Engineering Department, Instituto Superior Técnico, University of Lisbon, Portugal

#### (2010) Certificate in Advanced English: Cambridge ESOL Level 2 Certificate in ESOL International

University of Cambridge



UNIVERSITY of CAMBRIDGE  
ESOL Examinations

#### (2008) Physics Summer School

Universidade Júnior, Departamento de física, Universidade do Porto, Porto, Portugal



#### (2007) Initiation to Photography

Nouvelle Photo, Leiria, Portugal

### Awards

#### (2015) Diploma of Academic Excellence

Awarded by the Pedagogic Council of Instituto Superior Técnico of University of Lisbon, Portugal for her accomplishments in the 5<sup>th</sup> year of the Integrated Masters in Mechanical Engineering.



#### (2014) Diploma of Merit

Awarded by the Pedagogic Council of Instituto Superior Técnico of University of Lisbon, Portugal for accomplishments in the 4<sup>th</sup> year of the Integrated Masters in Mechanical Engineering.

#### (2013) Diploma of Merit

Awarded by the Pedagogic Council of Instituto Superior Técnico of University of Lisbon, Portugal for accomplishments in the 3<sup>rd</sup> year of the Integrated Masters in Mechanical Engineering.

#### (2012) Diploma of Merit

Awarded by the Pedagogic Council of Instituto Superior Técnico of University of Lisbon, Portugal for her accomplishments in the 2<sup>nd</sup> year of the Integrated Masters in Mechanical Engineering.

#### (2010) Diploma of Merit

Awarded by Escola Secundária Raul Proença for having finished high school with an average grade of 18,8 out of 20.



## (2010) monIT Award “Explore radiofrequencies”

1<sup>st</sup> place awarded for a project developed in the field of radiofrequencies.



### Languages

Native language: **Portuguese**

Other languages:

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
<b>English</b>	C1	C1	C1	C1	C1
	Certificate in Advanced English: Cambridge ESOL Level 2 Certificate in ESOL International				
<b>French</b>	A1	A1	A1	A1	A1
<b>Spanish</b>	A1	B1			

(\*) [Common European Framework of Reference \(CEF\) level](#)

### Computer skills

- LaTeX
- Microsoft Office (Word, Excel, PowerPoint, Publisher)
- Matlab
- Autodesk Inventor
- SolidWorks
- Abaqus
- Ansys
- Ashes
- Adobe Photoshop
- Adobe Premiere
- DesignBuilder
- EnergyPlus
- Rhino
- Grasshopper
- OpenStudio
- SketchUp

### Personal skills

- An early interest in science contributed for the development of an analytical thought process and a critic mind set.
- Moving away from home at 18, living in Norway during the Erasmus exchange program and travelling allowed the development of a strong sense of responsibility and independence as well as adaptability,
- Management and economics knowledge from collaborating in a family company.

### Other skills

Sónia has practiced several sports like swimming, tennis, volleyball and bodyboarding. Currently she goes to the gym and enjoys cooking and baking, arts and crafts, photography and travelling. Sónia has already contributed for three different promotional campaigns, one in 2015 for a yoga school and two other in 2016, one for a swimsuit company and another an agro tourism company.

**Driving licence** B e B1.