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## *Margarida Sousa Henriques, PhD*

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### *Education*

**2016:** PhD degree in Materials Science and Engineering, University of Lisbon, Portugal.

**2009:** Master in Materials Science and Engineering, University of Lisbon, Portugal.

**2002:** Graduation in Materials Engineering, Faculty of Science and Technology, University of Coimbra, Portugal.

### *Career*

**December 2019 – Researcher** at the Department of Structure Analysis, Institute of Physics - Czech Academy of Sciences, Prague, Czechia

**September 2017– December 2019: Post-doc** at the Department of Structure Analysis, Institute of Physics - Czech Academy of Sciences, Prague, Czechia

**January 2017 – September 2017: Post-doc** at the Institute Laue-Langevin (Diffraction group), Grenoble, France

**June 2014 – January 2017: Research & Development Specialist** at the Department of Structure Analysis, Institute of Physics - Czech Academy of Sciences, Prague, Czechia

**January 2008 – April 2011: Research grant** at Technological and Nuclear Institute, Lisbon, Portugal

**October 2007 – December 2007: Project manager** at the Centre for Chemical Processes, Technical University of Lisbon, Instituto Superior Técnico, Lisbon, Portugal

**January 2004 – September 2007: Research Technician** at the Laboratory for Wear, Testing & Materials, Instituto Pedro Nunes, Coimbra, Portugal

**July 2002 – December 2003: Trainee** at the Laboratory for Wear, Testing & Materials, Instituto Pedro Nunes, Coimbra, Portugal

### *Fields of interest and expertise*

Neutron and x-ray scattering; synthesis of new materials containing *f*-elements; structure and physical properties (magnetism and related electronic properties); matter under extreme conditions; electron microscopy; software for structure solution (crystallographic and magnetic); symmetry, superspace and modulations in materials.

### *Project leadership*

- Magnetic structures and electronic properties of low-dimensional and frustrated intermetallic *f*-systems: **Junior project GACR 19-07931Y (2019-2021)**
- **Podpora Perspektivních Lidských Zdrojů - Czech Academy of Sciences (2019)**

### *Prizes and awards*

**2010** – ‘Honorable Mention’ by the Portuguese Professional Association of Engineers

**2011** – ‘Student Merit Award’ by the Technical University of Lisbon

**2014** – Best poster award, 44<sup>èmes</sup> Journées des Actinides, Ein Gedi, Israel

**2015** – Best poster award, Cracow Colloquium on *f*-electron systems, Cracow, Poland

### *Membership*

- Member of the IUCR Commission on Magnetic Structures