

## CURRICULUM VITAE (Brief Version)

### PERSONAL INFORMATION

**Family name, First name:** Stroppa, Alessandro

**Researcher unique identifier(s):** ORCID:0000-0003-1000-4745

**Date of birth:** 14/07/1976

**Nationality:** Italian

**URL for the website:** <http://www.alessandrostroppa.com/>

### • EDUCATION

01/01/2003-31/12/2005 Ph.D. student at the University of Trieste, Trieste, Italy;

01/08/2002-30/09/2002 Fellowship, University of L'Aquila, Department of Physics;

06/11/1995-19/06/2002 University of L'Aquila, Degree in Physics, 110/110 cum laude;

### • CURRENT POSITION(S)

01/01/2020-present Research Director CNR-SPIN (L'Aquila). Competition winner (3<sup>rd</sup> place);

### • PREVIOUS POSITION(S)

16/12/2019-31/12/2019 senior (First) Researcher CNR-SPIN (L'Aquila). Competition winner (2<sup>nd</sup> place);

30/10/2012-15/12/2019 technologist CNR-SPIN (L'Aquila). Competition winner (1<sup>st</sup> place);

01/10/2008-30/10/2012 research associate at INFN/CASTI/CNR-SPIN, L'Aquila, Italy;

03/04/2006-30/09/2008 postdoc at the University of Vienna/CMS, Vienna, Austria;

01/01/2006-31/03/2006 postdoc at the University of Trieste, Department of Theoretical Physics, Italy;

### • FELLOWSHIPS AND AWARDS

2020-2022 Selected as Collaborator and Host Institution of HPC-Europa3 Transnational Access program: 20 visitors are supported for travel, accommodation, and subsistence, and provided with an amount of computing time suitable for the approved project (see Web Page) supervised by A.S.

19-21/11/2019 Certificate of appreciation for "his important contributions to the theoretical understanding of microscopic mechanisms of multiferroicity and magnetoelectricity in perovskite metal-organic frameworks", by Nature Conference: Physical Properties of Metal-Organic Frameworks, Nankai, China;

2017-2020 Shanghai Eastern Scholar Chair Professor (*Distinguished academic honour awarded by Shanghai Municipal Education Commission*);

2016-2018 High-End foreign expert (Shanghai University) (*it is awarded to non-ethnic Chinese experts, who are strategic scientists, and leading experts in natural science*);

National Scientific Habilitation for:

02/B1 - Fisica Sperimentale della Materia - II Fascia (26/07/2018-26/07/2027);

02/B2 - Fisica Teorica della Materia - I Fascia (05/12/2017-05/12/2026); II Fascia (11/12/2013-11/12/2022);

2017 Honour for "Highly Cited Papers" in Web of Science in 2017: 5 Highly Cited papers in WOS (Highly Cited papers reflect the top 1% of papers by field and publication year).

2013 - 2022 Appointment as Visiting Research Scholar (NCSU, Dep. Chemistry, USA);

08 - 13/09/2013 Research Highlight talk at FEMS EUROMAT 2013, Sevilla;

2008: "Best 2008 NJP Collection": the article A Stroppa and G Kresse 2008 New J. Phys. 10 063020 has been selected by the editors of the New Journal of Physics for inclusion in the exclusive 'Best of 2008' collection. Articles in this collection have been nominated based on a range of criteria including referee endorsement, novelty, scientific impact, and broad appeal;

26-30/09/2011 1<sup>st</sup> best oral presentation in Condensed Matter Physics XCVII Congresso Nazionale Società Italiana di Fisica, L'Aquila, Italy;

26-30/09/2011 2<sup>nd</sup> best oral presentation in Condensed Matter Physics XCI Congresso Nazionale Società Italiana di Fisica, Catania, Italy;

#### • SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Many PhDs or Post-docs hosted and supervised during short-term visits; Master Thesis at the University of L'Aquila. See [www.alessandrostroppa.com](http://www.alessandrostroppa.com) for details.

#### • TEACHING ACTIVITIES

Inorganic Chemistry, Geometry, Mathematics for Physicists, Social Statistics, Group theory applied to solid state physics; International Teaching "The beauty of Symmetry", International Education Forum (IEF), Shanghai University (SHU), 06/2018;

"Symmetry in Physics: An introduction to Group Theory", IEF, SHU, 06/2017;

Frontiers in Physics (SEU, China, since 2021);

Group Theory in Physics (SEU, China, since 2021);

Solid State Physics (SHU, since 2022);

"The secret language of Physics: Group theory", IEF, SHU, since 2022.

#### • INSTITUTIONAL RESPONSIBILITIES

Deputy Director CNR-SPIN Unit L'Aquila, from 01/05/2019 to present;

Member of Outreach Working Group (CNR-SPIN, since 2020).

#### • REVIEWING ACTIVITIES

Phys. Rev. B; Phys. Rev. Lett.; Phys. Status Solidi; J. Mater. Sci.; J. Appl. Phys.; J. Magn. Magn. Mater.; Appl. Phys. Lett.; Sci. Rep.; Nat. Chem.; J. Am. Chem. Soc.; Chem. Phys. Lett., Nat. Commun., Nat. Rev. Mater.; Chem. Mat.; Eur. J. Inorg. Chem.; Angew. Chem.; J. Chem. Phys.,

Comput. Mater. Sci.; etc; ANCS (National Authority for Scientific Research-Romania) for young research proposal. International Fellowship Mobility Program for Experienced Researchers in Croatia (NEWFELPRO). ERC (Starting grant) Basic Energy Sciences-U.S. Department of Energy (USA).

- **MAJOR COLLABORATIONS**

*Past and Present collaborations:*

Hyun-Woo Lee (POSTECH); Kian Ping Loh (NUS and HKPoly); P. Radaelli, Oxford University (UK); W. Ren, Shanghai University (China); H. Wu, H. Xiang, Fudan University (China); M. Mączka, Institute of Low Temperature and Structure Research (Poland); D. Sangalli, CNR-ISM (Italy); B.J. Campbell, Brigham Young University (USA); J. Yu, Seoul National University (South Korea); W. Li, Nankai University (China); S. Dong, SouthEast University (China); R.-G. Xiong, Southeast University (China); C. Draxl, Humboldt University (Germany); D. Vanderbilt, Rutgers University (USA); J.M. Perez-Mato, Bilbao University (Spain); M. Whangbo, NCSU (USA); C. Franchini and G. Kresse, University of Vienna (Austria); A.K. Cheetham, Cambridge University (UK).

Publications statistics:

<https://www.webofscience.com/wos/author/record/E-7702-2010> [Last Update 14/11/2023 - WOS]

A handwritten signature in dark ink, reading "Alessandro Stroppa". The signature is written in a cursive, slightly slanted style.