

CURRICULUM VITAE

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Education and Employment:

2022 - today Senior Staff member, Max Planck Institute for Solar System Research
2009 - 2022 Scientist, Max Planck Institute for Solar System Research
2004 - 2013 Scientific Editor of the journal Living Reviews in Solar Physics
2003 - 2009 Postdoc, Max Planck Institute for Solar System Research
2001 - 2003 Postdoc, I.N.A.F. / Osservatorio Astronomico di Capodimonte, Napoli, Italy
1997 - 2000 PhD, Queen's University of Belfast - Armagh Observatory, United Kingdom
1997 M. Sc. in Astrophysics, I.A.C. - University of La Laguna, Tenerife, Spain
1995 B. Sc. in Physics (major in Astrophysics), University of La Laguna, Tenerife, Spain.

Academic Fellowships:

European Solar Magnetic Network (ESMN) Fellowship (2002)
Armagh Observatory Fellowship, UK (1997 - 2000)
Royal Greenwich Observatory (RGO) Fellowship, in collaboration with the Institute of Astronomy (IoA) of Cambridge and the Mullard Radio Astronomy Observatory (MRAO) (1996)
ERASMUS Fellowship in collaboration with Imperial College of Science, Technology and Medicine of London (1993 - 1994)

Research Interests:

Solar Physics. Solar dynamics of the upper Chromosphere, Transition Region and Corona. Solar instrumentation.

Observational Experience:

Stellar spectroscopy and photometry (Ground-based instrumentation): 1.0 m Jacobus Kapteyn Telescope (JKT), 2.5 m Isaac Newton Telescope (INT), and 4.2 William Herschel Telescope (WHT), at the Isaac Newton Group of Telescopes, La Palma, Spain; 0.5 m MONS Telescope and 0.8 m IAC80 Telescope, at the Teide Observatory, Tenerife, Spain.
Solar spectropolarimetry (Ground-based instrumentation): 70 cm Vacuum Tower Telescope (VTT) at the Teide Observatory, Tenerife, Spain; 1-m Swedish Solar Telescope (SST) at the Roque de los Muchachos Observatory, La Palma, Spain.
Solar Space Instrumentation: CDS, UVCS, EIT, SUMER onboard SOHO; EIS/Hinode; AIA/SDO; IRIS; EUV, SPICE and Metis onboard Solar Orbiter.

List of Publications: more than 75 publications with 33 in refereed journals

Most recent examples::

1. Co-author in "Imaging and spectroscopic observations of extreme-ultraviolet brightenings using EUI and SPICE on board Solar Orbiter". Ziwen Huang, L. Teriaca, R. Aznar Cuadrado, et al,2023, A&A, 673:A82
2. Co-author in "SPICE PSF Correction: General Framework and Capability Demonstration". Joseph E. Plowman, Frédéric Auchère, Regina Aznar Cuadrado, et al.,2022, arXiv e-prints, page arXiv:2211.16635
3. Co-author in "First Perihelion of EUI on the Solar Orbiter mission". D. Berghmans, P. Antolin, F. Auchère, R. Aznar Cuadrado, et al., 2023, arXiv e-prints, page arXiv:2301.05616
4. Co-author in "The magnetic drivers of campfires seen by the Polarimetric and Helioseismic Imager (PHI) on Solar Orbiter". Kahil F., et al., 2022, A&A 660, 143
5. Co-author in "Extreme-UV quiet Sun brightenings observed by the Solar Orbiter/EUI". Berghmans D., Auchère F., Long D. M. et al., 2021, A&A 656, L4
6. Co-author in "First observations from the SPICE EUV spectrometer on Solar Orbiter" Fludra A., et al., 2021, AA 656, 38
7. Co-author in "Capturing transient plasma flows and jets in the solar corona". Chitta, L. P.; Solanki, S. K.; Peter, H.; Aznar Cuadrado, R.; et al., 2021, A&A 656, L13
8. Co-author in "The first coronal mass ejection observed in both visible-light and UV H I Ly- channels of the Metis coronagraph on board Solar Orbiter" Andretta V., et al., 2021, A&A 656, L14
9. Co-author in "The Solar Orbiter SPICE instrument: An extreme UV imaging spectrometer". SPICE Consortium; et al., 2020, A&A 642, A14
10. Co-author in "Metis: the Solar Orbiter visible light and ultraviolet coronal imager". Antonucci, E.; et al., 2020, A&A 642, A10
11. Co-author in "The Solar Orbiter EUI instrument: The Extreme Ultraviolet Imager". Rochus, P.; et al., 2020, A&A 642, A8