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Education

- Oct 2016 – Jun 2021 **Habilitation in Astronomy**, Ludwig Maximilian University (LMU), Germany.
- Apr 2002 – Oct 2006 **Ph.D. in Astronomy**, National University of Córdoba (UNC), Argentina. Supervisor: Prof. Dr. Diego G. Lambas.
- Mar 1997 – Mar 2002 **Licenciatura in Astronomy**, UNC, Argentina. The Licenciatura comprises 32 courses and a research project in a minimum of five years.

Employment

- Nov 2015 – present **Permanent science Staff, Max Planck Institute for Extraterrestrial Physics (MPE)**, Germany.
- Jan 2011 – Oct 2015 **Research Scientist, MPE**, Germany
- Jan 2008 – Dec 2010 **Junior Research Scientist, MPE**, Germany
- Apr 2007 – Dec 2007 **CONICET Postdoctoral fellow**, Institute of Theoretical and Experimental Astronomy, Córdoba, Argentina.

Supervision of students and postdocs

POSTDOCTORAL FELLOWS

- Mar 2021 – Mar 2022 **Supervisor of Dr. M. Lippich**, MPE, Germany.
- Mar 2020 – present **Supervisor of Dr. A. Pezzotta** MPE, Germany.
- Oct 2014 – present **Supervisor of Dr. D. Farrow** MPE, Germany.
- Nov 2012 – Jun 2018 **Supervisor of Dr. F. Montesano** MPE, Germany.

PHD STUDENTS

- Sep 2021 – present **Supervisor of M. Esposito**, MPE, Germany.
- Sep 2019 – present **Supervisor of A. Semenaite**, MPE, Germany.
- Nov 2018 – Jul 2021 **Co-supervisor E. Paillas**, PUC, Chile.
- Feb 2016 – Mar 2021 **Supervisor of M. Lippich**, MPE, Germany.
- Apr 2016 – Jun 2020 **Supervisor of J. Hou**, MPE, Germany.
- Sep 2012 – Mar 2016 **Supervisor of S. Salazar-Albornoz**, MPE, Germany.
- Jun 2012 – Mar 2016 **Supervisor of J. Grieb**, MPE, Germany.
- Jan 2008 – Oct 2011 **Co-supervisor of F. Montesano**, MPE, Germany.
- Jan 2008 – Apr 2010 **Co-supervisor of A. Balaguera-Antolinez**, MPE, Germany.

MASTER STUDENTS

Sep 2018 – present	Supervisor of P. Sudek , LMU, Germany.
Oct 2015 – Nov 2016	Supervisor of R. Bolze , LMU, Germany.
Oct 2014 – Nov 2015	Supervisor of M. Lippich , LMU, Germany.
Aug 2011 – Aug 2012	Co-supervisor of the <i>Licenciatura</i> of S. Salazar-Albornoz , PUC, Chile.
Jun 2005 – Jul 2006	Co-supervisor of the <i>Licenciatura</i> of Y. Yaryura , UNC, Argentina.

BACHELOR STUDENTS

Apr 2018 – Sept 2018	Supervisor of Felix Reith , LMU, Germany.
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Teaching experience

2015 – present	Lecturer of the course “Formation and evolution of cosmic structures” for the Master in Physics and Astrophysics of the Ludwig Maximilian University , Germany.
Mar 2013	Lecturer of the short course “Observational Cosmology”, a two-day intensive course for PhD students in astronomy at the Astronomic Observatory of Córdoba , Argentina.
Sep 2007	Lecturer on “Observational Cosmology”, during the Summer School “Novicosmo 2007”, Croatia.

Organization of scientific meetings

Jul 2019	Organizer of the four-week MIAPP workshop on “Dynamics of Large-Scale Structure Formation” held in Garching.
Jul 2015	Member of the LOC of the conference “Theoretical and Observational Progress on large-scale structure”, Garching.

Managing Activities

Jan 2019 – present	Coordinator of the “Dark Energy Connector” of the Excellence Cluster Origins, Garching, Germany.
Apr 2018 – Apr 2021	Coordinator of the “Inter Science Working Group Task Force for Likelihood” (IST:L) of Euclid, in charge of producing the likelihood code for all Euclid datasets.
Jan 2018 – present	Member of the HETDEX Steering committee.
Jun 2016 – July 2020	Coordinator of the “Inter Science Working Group Task Force for Forecasting” (IST:F) of Euclid. Producing updated cosmological forecasts for the mission.
Apr 2017 – Oct 2017	Coordinator of the “Tiger Team on Systematic Errors” of the galaxy clustering science working group of Euclid. Produced a detailed report of all possible sources of systematic errors affecting galaxy clustering measurements from Euclid.
May 2014 – Dec 2017	Lead of the “Likelihood Fitting Work Package” of the galaxy clustering science working group of Euclid.
Oct 2014 – Oct 2018	Cluster PI of the Excellence Cluster Universe, Garching, Germany..

Reviewing activities

External referee for the Natural Sciences and Engineering Research Council of Canada (NSERC), the Swiss National Science Foundation (SNSF), and the National Agency for Scientific and Technological Promotion of Argentina.

Referee for Monthly Notices of the Royal Astronomical Society, Physics Review D, Physics Review Letters, the Astrophysical Journal, the Journal of Cosmology and Astroparticle Physics, and Nature Astronomy

Talks and colloquia

I have given a total of **65** invited lectures, seminars and colloquia in several institutions and conferences, and a total of **20** contributed talks at various meetings since 2003.

Publications Summary

I have published **138** refereed articles in leading international peer-reviewed journals since 2002.

My publications have **23,257** citations in total[†], of which **1114** citations correspond to my publications as first author (h -index = 60).

My publications have been used for **7** press releases of the SDSS and MPE, where I have been quoted.

Last updated: April 24, 2022

http://www.mpe.mpg.de/arielsan/cv_ariel.2022.pdf

[†]According to the SAO/NASA astrophysics Data System