

Andrés Jordán

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Born: December 29, 1975—Santiago, Chile
Nationality: Chilean/Italian

Current position

Director, Instituto Milenio de Astrofísica
Associate Professor, Facultad de Ingeniería y Ciencias, Universidad Adolfo Ibáñez

Areas of specialization

Discovery and Characterization of Extrasolar planets
Instrumentation, especially small telescopes
Nearby early-type galaxies and their star clusters
Time domain Astronomy

Appointments held

2004-2007	ESO Fellow, European Southern Observatory, Germany
2007-2008	Clay Fellow, Harvard-Smithsonian Center for Astrophysics, USA
2008-2012	Assistant Professor, Instituto de Astrofísica, Pontificia Universidad Católica de Chile
2017	Guest researcher, Max-Planck-Institut für Astronomie, Heidelberg, Germany
2012-2019	Associate Professor, Instituto de Astrofísica, Pontificia Universidad Católica de Chile

Education

1998	BSc in Physics, Universidad de Chile
2004	PhD in Astronomy, Rutgers University, USA

Awards, Fellowships and Distinctions

2016	Selected for the “Frontier Science Program” of the Chilean Academy of Sciences.
2014	Selected by <i>LatinAmericanScience.Org</i> and <i>Qué Pasa</i> magazine as one of the 30 most influential scientist under 40 in Latin America
2013	UC-Santander China Fellowship
2009	Visiting Professor, Institut d’Astrophysique de Paris, Université de Paris VI (PICS-CNRS)
2007	Clay Fellowship, Harvard-Smithsonian Center for Astrophysics
2004	ESO Fellowship, European Southern Observatory
2004	Chosen as one of the 100 leaders under 30 years in Chile by <i>El Mercurio</i>
2001-2004	Claudio Anguita Fellowship (NSF–AURA)
1994-1997	Academic Excellence Scholarship, Universidad de Chile

Publications

Over 170 refereed articles accumulating more than 9900 citations to date (h-index=50). Lists of publications in the form of ADS libraries can be found by following these links: 1. [full list](#) of publications 2. publications in the field of [extrasolar planets and binaries](#).

SELECTED RECENT (2013+) ARTICLES

2019	Jordán et al., “K2-287b: an Eccentric Warm Saturn transiting a G-dwarf”, <i>Astronomical Journal</i>
2019	Espinoza, Rackham, Jordán et al., “ACCESS: A featureless optical transmission spectrum for WASP-19b from Magellan/IMACS”, <i>Monthly Notices of the Royal Astronomical Society</i> .
2018	Brahm, Espinoza, Jordán et al., “K2-232 b: a transiting warm Saturn on an eccentric P = 11.2 days orbit around a V = 9.9 star”, <i>Monthly Notices of the Royal Astronomical Society</i>
2017	Rackham, Espinoza, Apai, Lopez-Morales, Jordán et al., “ACCESS I: An Optical Transmission Spectrum of GJ 1214b Reveals a Heterogeneous Stellar Photosphere”, <i>The Astrophysical Journal</i>
2016a	Espinoza & Jordán, “Limb darkening and exoplanets - II. Choosing the best law for optimal retrieval of transit parameters”, <i>Monthly Notices of the Royal Astronomical Society</i>
2016b	Espinoza, Brahm, Jordán et al., “Discovery and Validation of a High-Density sub-Neptune from the K2 Mission”, <i>Astrophysical Journal</i>
2016c	Booth, Jordán, et al., “Resolving the planetesimal belt of HR 8799 with ALMA”, <i>Monthly Notices of the Royal Astronomical Society</i>
2015a	Brahm, Jordán, Bakos et al., “HATS-17b: A Transiting Compact Warm Jupiter in a 16.3 Days Circular Orbit”, <i>Astronomical Journal</i>
2015b	Espinoza & Jordán “Limb darkening and exoplanets: testing stellar model atmospheres and identifying biases in transit parameters”, <i>Monthly Notices of the Royal Astronomical Society</i>
2014a	Jordán, Brahm, Bakos et al., “HATS-4b: A Dense Hot Jupiter Transiting a Super Metal-rich G star”, <i>Astronomical Journal</i>
2014b	Fraine, Deming, Benneke, Knutson, Jordán et al., “Water vapour absorption in the clear atmosphere of a Neptune-sized exoplanet”, <i>Nature</i>

2013 Jordán, Espinoza, Rabus et al. “A Ground-based Optical Transmission Spectrum of WASP-6b”, *Astrophysical Journal*

Teaching & graduate student supervision

2012-2017 PhD advisor for Néstor Espinoza (PhD awarded Oct 2017)
2011-2016 PhD advisor for Rafael Brahm (PhD awarded Jan 2016)
2011-2012 MSc advisor for Mauricio Ortiz (MSc awarded 2012)
2008-now Lecturer for the following courses: Astrostatistics, Exoplanets, Experimental Astrophysics, Extragalactic Astrophysics, Mechanics, Radiative Processes

Service to the profession

2019 Member of the Gemini Observatory Time Domain Advisory (TDA) group.
2017-2018 Member of AURA Oversight Council for Gemini (AOC-G).
2016 Panel Member of the ESO proposal review.
2014-2016 Member of the Board of the Chilean National Time Allocation Committee.
2015-2016 Member, Astronomy, Cosmology and Particles review panel of FONDECYT.
2013-2015 Director, Astronomy, Cosmology and Particles review panel of FONDECYT.
2014 Panel member for the Chilean National Time Allocation Committee (CNTAC).
2012-2014 Panel member for the ALMA proposal review; Chair of the Chilean Review Committee.
2012-2014 Member of the Advisory Board of the Astronomy program of CONICYT.
2012-2013 Member of the Physics review panel of FONDECYT.
2009-2011 Panel member for the Chilean National Time Allocation Committee (CNTAC).
2008 Panel member for the *Chandra* X-Ray telescope Time Allocation Committee.
2007 External Examiner for a PhD thesis at the Australian National University.
2005-now Referee for ApJ, PASP, MNRAS, *A&A*, Canadian TAC and CONICYT.

Grants

2019-now Director, Instituto Milenio de Astrofísica “MAS” (≈ 900 million CLP/year)
2018-now Principal Investigator, QUIMAL project “Space Photometry from the Ground” (200 million CLP)
2017-now Principal Investigator, Fondecyt Regular project 1171208 (≈ 250 million CLP)
2014-2018 Investigador Asociado, Instituto Milenio de Astrofísica “MAS” (≈ 900 million CLP/year)
2015-2018 Principal Investigator, QUIMAL project “Development of HATPI for high cadence ultra-precise monitoring of the entire optical sky” (200 million CLP)
2013-2017 Principal Investigator, Fondecyt Regular project 1130857 (≈ 120 million CLP)
2009-now Researcher, BASAL-CATA
2013-2015 Principal Investigator, FONDEQUIP project EQM 130030 (≈ 140 million CLP)
2009-2014 Investigador Asociado, Núcleo Milenio “MWM” (≈ 200 million CLP/year)
2009-2013 Investigador Asociado, proyecto Anillo ACT-086
2011-2013 Principal Investigator, ALMA-CONICYT project 31110009 (USD 70000)

2009-2011 Principal Investigator, ALMA-CONICYT project 31090015 (USD 70000)
2009-2012 Principal Investigator, Fondecyt Regular project 1095213 (\approx 100 million CLP)

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