
Jaime E. FORERO-ROMERO

PERSONAL INFORMATION

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PERSONAL WEBSITE: <http://wwwprof.uniandes.edu.co/~je.forero>
GROUP WEBSITE: <http://astroandes.github.io/>
CITIZENSHIP: Colombian
BIRTH DATE: October 14, 1981

RESEARCH INTERESTS

- Cosmology
- Galaxy Formation
- Computational Astrophysics

EDUCATION

NOVEMBER 2007 **PhD. Physics**
AUGUST 2005 at the École Normale Supérieure de Lyon (France)

JULY 2005 **M.Sc. Physics (Magistère Interuniversitaire)**
AUGUST 2003 at the École Normale Supérieure (Paris, France)

JULY 2003 **Undergraduate Physics studies** (3rd & 4th year)
AUGUST 2001 at the Instituto Balseiro (Argentina)

JULY 2001 **Undergraduate Physics studies** (1st & 2nd year)
JULY 1999 at the U. Nacional de Colombia

ACADEMIC POSITIONS

PRESENT DAY **Associate Professor**
AUGUST 2015 Physics Department, Universidad de los Andes (Colombia)

JULY 2015 **Assistant Professor**
AUGUST 2012 Physics Department, Universidad de los Andes (Colombia)

JULY 2012 **Gruber Fellow**
OCTOBER 2011 Astronomy Department UC Berkeley (USA)

SEPTEMBER 2011 **Postdoctoral Researcher**
SEPTEMBER 2007 Leibniz Insititute for Astrophysics at Potsdam (Germany)

AUGUST 2007 **Graduate Student**
AUGUST 2006 École Normale Supérieure de Lyon (France)

JULY 2006 **Élève**
SEPTEMBER 2003 École Normale Supérieure (Paris, France)

AUGUST 2003 **Undergraduate Fellow**
AUGUST 2001 Instituto Balseiro (Bariloche, Argentina)

RESEARCH

BIBLIOMETRICS

- Refereed journal articles: 38 articles (10.4 normalized count) since first paper in 2007.
- Google Scholar statistics. Total Number of Citations: 1291. H-index: 16.
- SAO/NASA Astrophysics Data System statistics. Total Number of Citations: 992. H-index: 15.

SELECTED PUBLICATIONS

- *Dark matter halo shapes in the Auriga simulations*, J. Prada, **J. E. Forero-Romero**, R. J. J. Grand, R. Pakmor, V. Springel, MNRAS, 490, 4877, 2019.
- *The Local Group in the cosmic web*, **J.E. Forero-Romero**, R. González, ApJ, 799, 1, 2015.
- *Cosmic web alignments with the shape, angular momentum and peculiar velocities of dark matter halos*, **J.E. Forero-Romero**, S. Contreras, N. Padilla, MNRAS, 443, 1090, 2014.
- *Effects of Star Formation Stochasticity on the Ly alpha & Lyman Continuum Emission from Dwarf Galaxies*, **J. E. Forero-Romero** & M. Dijkstra, MNRAS 428, 2163, 2013
- *A Dynamical Classification of the Cosmic Web*. **J. E. Forero-Romero** , Y. Hoffman, S. Gottloeber, A. Klypin, G. Yepes, MNRAS, 396, 1815-1824, 2009

GRANTS

- 2017-2021 (coPI) LACEGAL Latin American Chinese European GALaxy Formation network. Funded by MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE). (1.5 MEuro)
- 2016-2019 (PI) COLCIENCIAS grant to work on the Dark Energy Spectroscopic Instrument. (60 kUSD)
- 2012-2016 (PI) UNIANDES grant given as a startup package to assistant professors (25 kUSD).
- 2011-2012 (PI) IAU Peter and Patricia Gruber Foundation Fellowship. (50 kUSD).

MENTORING

POSTDOCS

- 2019-. David Sierra. Building the Bright Galaxy Sample catalog with data from the Dark Energy Spectroscopic Instrument.
- 2015-2016. Verónica Arias. Dynamics of satellites in the Local Group.

GRADUATE STUDENTS

- 2019- John Suarez. PhD thesis on cosmic web reconstruction.
- 2018- Yeimy Camargo. PhD thesis on galaxy assembly bias.

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- 2019 Felipe Gómez. Master thesis in Physics. *A large scale structure void finder based on the β -skeleton graph.*
 - 2016-2018 Jesús Prada. Master thesis in Physics. *Constraining the dark matter halo shape of the Milky Way with numerical simulations.*
 - 2013-2015 Juan Nicolás Garavito Camargo. Master thesis in Physics. *The effect of gas bulk rotation on the Lyman-alpha line.*

SERVICE

SCIENTIFIC COLLABORATIONS

PRESENT DAY OCTOBER 2015	Coordinator for the Andean Regional Office of Astronomy for Development. http://andean.astro4dev.org/
PRESENT DAY JANUARY 2014	Full Member of the Dark Energy Spectroscopic Instrument. http://desi.lbl.gov/
PRESENT DAY JANUARY 2010	Referee for The Astrophysical Journal and Monthly Notices of the Royal Astronomical Society
MAY 2020	Reviewer for the Cycle 28 Hubble Space Telescope observing program

EVENT ORGANIZER

OCTOBER 2015	Main organizer of the Second <i>Workshop Astronomía en los Andes</i> to convene astronomers in the Andean region. Held in Bogotá, Colombia.
JUNE 2015	Main organizer for the <i>Andean School on Cosmology</i> held in Bogotá, Colombia.
JULY 2013	Main organizer of the First <i>Workshop Astronomía en los Andes</i> to convene astronomers in the Andean region. Held in Bogotá, Colombia.
SEPTEMBER 2011	Co-organizer of the international conference <i>Young and Bright: understanding high redshift structures</i> . Held in Potsdam, Germany.

GUEST LECTURER

JULY 2018	Lecturer for the <i>41st International School for Young Astronomers</i> held in Socorro, Colombia.
DECEMBER 2015	Lecturer for the <i>Second Guatemalan School of Astrophysics</i> held in Antigua, Guatemala.
JUNE 2013	Lecturer for the <i>Pan-American Advanced Studies Institutes (PASI)</i> on Methods in Computation-Based Discovery. Held in Guatemala City, Guatemala.
JULY 2009	Lecturer for the <i>Fifth Colombian School of Astronomy</i> held in Bogotá, Colombia.