
Jaime E. FORERO-ROMERO

PERSONAL INFORMATION

EMAIL: je.forero@uniandes.edu.co
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: 37 articles since first paper in 2007.
- Google Scholar statistics. Total Number of Citations: 1231. H-index: 16.
- SAO/NASA Astrophysics Data System statistics. Total Number of Citations: 931. H-index: 16.

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 Coordinator for the Andean Regional Office of Astronomy for Development.
 OCTOBER 2015 <http://andean.astro4dev.org/>

PRESENT DAY Full Member of the Dark Energy Spectroscopic Instrument.
 JANUARY 2014 <http://desi.lbl.gov/>

PRESENT DAY Referee for The Astrophysical Journal and
 JANUARY 2010 Monthly Notices of the Royal Astronomical Society

EVENT ORGANIZER

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

GUEST LECTURER

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