

Jaime E. FORERO-ROMERO

PERSONAL INFORMATION

EMAIL: je.forero@uniandes.edu.co
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GITHUB: github.com/forero
CITIZENSHIP: Colombian
BIRTH DATE: October 14, 1981

RESEARCH INTERESTS

- Cosmology and Galaxy Evolution
- Computational Astrophysics
- The Dark Energy Spectroscopic Instrument (Collaboration Member)

EDUCATION

NOVEMBER 2007	PhD. Physics
AUGUST 2005	at the Ecole Normale Supérieure de Lyon (France)
JULY 2005	M.Sc. Physics (Magistère Interuniversitaire)
AUGUST 2003	at the Ecole 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	Ecole Normale Supérieure de Lyon (France)
JULY 2006	Élève
SEPTEMBER 2003	Ecole Normale Supérieure (Paris, France)
AUGUST 2003	Undergraduate Fellow
AUGUST 2001	Instituto Balseiro (Bariloche, Argentina)

RESEARCH

BIBLIOMETRICS

- Refereed journal articles: 26 published + 1 accepted + 1 submitted (since first paper in 2007).
- Google Scholar statistics. Total Number of Citations: 738. H-index: 14.
- SAO/NASA Astrophysics Data System statistics. Total Number of Citations: 616. H-index: 13.

SELECTED PUBLICATIONS

- *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.
- *The kinematics of the Local Group in a cosmological context*, **J.E. Forero-Romero**, Y. Hoffman, S. Bustamante, S. Gottloeber, G. Yepes, ApJ Letters, 767, 1, 2013
- *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

SUPERVISED POSTDOCS

- 2015-2016. Verónica Arias. Dynamics of satellites in the Local Group.

SUPERVISED STUDENTS

2017

- 8 Sebastián Franco Ulloa. Undergraduate thesis in Physics at Universidad de los Andes. *Lattice Boltzmann methods to simulate dark matter.*

2016

- 7 Nicolás Romero Díaz. Undergraduate thesis in Physics at Universidad de los Andes. *Observational evidence of star formation stochasticity in the CALIFA dataset.*
- 6 David Esteban Bernal Neira. Undergraduate thesis in Physics at Universidad de los Andes. *Acotando las velocidades tangenciales de las galaxias satélite de Andrómeda utilizando optimización no lineal.*
- 5 Sergio Hernández Charpak. Undergraduate thesis in Physics at Universidad de los Andes. *Laniakea in a cosmological context.*

2015

- 4 María Camila Remolina Gutiérrez. Undergraduate thesis in Physics at Universidad de los Andes. *The joint effect of outflows and rotation on the Lyman-alpha line.*
- 3 Juan Nicolás Garavito Camargo. Master thesis in Physics at Universidad de los Andes. *The effect of gas bulk rotation on the Lyman-alpha line.*
- 2 Christian Nicanor Poveda Ruiz. Undergraduate thesis in Physics at Universidad de los Andes. *A semi-analytic approach to formation processes in galaxies.*

2014

- 1 Camilo Andrés Rivera Lozano. Undergraduate thesis in Physics at Universidad de los Andes. *Impacto de los parámetros cosmológicos en la estructura a gran escala del Universo.*

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)
- 2016-2020 (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. (50K USD).

SERVICE

INTERNATIONAL ORGANIZING COMMITTEES

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

MISCELLANEA

LANGUAGES

SPANISH:	Native
ENGLISH:	Fluent
FRENCH:	Fluent
GERMAN:	Proficient
RUSSIAN:	Beginner

NARRATIVE

MAPS FO THE UNIVERSE

CREATING COMMUNITIES

ART AND SCIENCE

ASTRONOMY FOR DEVELOPMENT
