

EDUARDO MARIO GUTIÉRREZ

CAREER PROFILE

2017-Present **Doctoral Fellow**, *Argentinian Institute of Radio Astronomy (IAR-CONICET)*.
Research field: high-energy astrophysics, non-thermal processes, particle acceleration and transport, black holes, general relativity, accretion, and high-energy plasma phenomena in general.

ACADEMIC FORMATION

2017-Present **PhD in Astronomy**, *Faculty of Astronomical and Geophysical Sciences (FCAGLP), National University of La Plata (UNLP)*.

PhD Thesis: Physics in the vicinity of accreting black holes

Supervisor: Dr. Gustavo E. Romero

Co-Supervisor: Dra. Florencia L. Vieyro

Working place: Argentinian Institute of Radio Astronomy (IAR-CONICET)

2011-2017 **Ms.S. in Astronomy**, *Faculty of Astronomical and Geophysical Sciences (FCAGLP), National University of La Plata (UNLP)*. *Average Mark: 9.79/10.0*.

Degree Thesis: Cosmology and primordial black holes. *Mark: 10.0/10.0*

Supervisor: Dr. Gustavo E. Romero,

Co-Supervisor: Dra. Florencia L. Vieyro

FELLOWSHIPS

2017-2022 PhD CONICET Research Fellow (National Research Council).

Topic: Physics in the vicinity of accreting black holes.

Supervisor: Dr. Gustavo E. Romero

INSTITUTIONAL MANAGEMENT

2013 Member of the Adviser Committee who selected a Teaching Assistant of General Physics III, FCAGLP.

2013 Member of the Adviser Committee who selected a Teaching Assistant of General Astronomy, FCAGLP.

2014 Member of the Electoral Board of the elections in the FCAGLP.

2014 Member of the Adviser Committee who selected an Associate Professor of General Physics III, FCAGLP.

2015 Member of the Adviser Committee who selected an Instructor of Partial Differential Equations, FCAGLP.

2016 Member of the Electoral Board of the elections in the FCAGLP.

TEACHING EXPERIENCE

- 10/15-Present Teaching Assistant of Classical Mechanics, FCAGLP.
- 09/15-Present Teaching Assistant of Calculus I, Faculty of Exact Sciences, UNLP.
- 08/14-07/15 Teaching Assistant of Physics I, Faculty of Engineering, UNLP.
- 03/14-09/15 Teaching Assistant of Mathematics A, Faculty of Engineering, UNLP.
- 2017 Teaching Assistant of Summer Nivelation Course 2017, FCAGLP. Duration: two months.
- 2016 Teaching Assistant of Summer Nivelation Course 2016, FCAGLP. Duration: two months.
- 2014 Teaching Assistant of Summer Nivelation Course 2014, FCAGLP. Duration: two months.

SCIENTIFIC MEETINGS

- Oct. 2011 **Primera Reunión Binacional de la Asociación Argentina de Astronomía y la Sociedad Chilena de Astronomía**, San Juan, San Juan, Argentina. Participant.
- Aug. 2013 **Congreso de Estudiantes de Ciencia y Tecnología Argentina "CONECTAR"**, La Plata, Bs. As., Argentina. Participant.
- Sep. 2013 **56va Reunión Anual de la Asociación Argentina de Astronomía**, Tandil, Bs. As., Argentina. Participant.
- Sep. 2013 **56va Reunión Anual de la Asociación Argentina de Astronomía "ASTRO 2013"**, Tandil, Bs. As., Argentina. Participant.
- Sep. 2014 **2da. Edición del Encuentro Nacional de Estudiantes de Astronomía "ENEA"**, La Plata, Bs. As., Argentina. Participant.
- Oct. 2014 **2da. Edición del Congreso de Estudiantes de Ciencia y Tecnología Argentina "CONECTAR"**, La Plata, Bs. As., Argentina. Participant.
- Apr. 2015 **6ta. Conferencia organizada por el Grupo de Relatividad General y Gravitación de la FaMAF, UNC "Grav15"**, La Falda, Córdoba, Argentina. Participant.
- Sep. 2015 **3ra. Edición del Congreso de Estudiantes de Ciencia y Tecnología "CONECTAR"**, Montevideo, Uruguay. Participant.
- Sep. 2015 **58va Reunión Anual de la Asociación Argentina de Astronomía**, La Plata, Bs. As., Argentina. Participant.
- Sep. 2015 **1er Encuentro Latinoamericano de Filosofía Científica, en homenaje a Mario Bunge**, Ciudad Autónoma de Bs. As., Argentina. Organizer.
- Jul. 2016 **IFT-Perimeter-SAIFR Journeys into Theoretical Physics**, ICTP-SAIFR, Sao Paulo, Brasil, del 18 al 23 de Julio de 2016. 36 hours.

OTHER SKILLS

Language skills

Spanish: native

English: upper-intermediate level

Portuguese: basic level

Computational skills

Fortran 77/90/95/2003
L^AT_EX
Windows, Linux