

# EDUARDO TIRADO-BUENO

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## ORCID

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<https://orcid.org/0000-0001-8462-8345>

## FIELDS OF RESEARCH INTEREST

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- Cosmic Rays
- Heliospheric Physics
- Solar Physics

## RESEARCH EXPERIENCE

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**National Institute for Space Research**  
**Visiting Researcher**

São Jos Dos Campos, São Paulo, Brasil.

*Dec. 2019 - Feb. 2020*

**Royal Observatory of Belgium & Belgian Institute for Space Aeronomy**  
**Visiting Researcher**

Uccle, Brussels, Belgium.

*Sep. 2019 - Oct. 2019*

**Institute of Geophysics, UNAM**  
**Visiting Researcher**

Mexico City, Mexico

*2016*

## EDUCATION

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**National Institute of Astrophysics, Optics and Electronics | M. Sc. in Space Science**  
Academic Excellence Award.

*2020*

**Benemérita Universidad Autónoma de Puebla | B. Sc. in Physics**

*2017*

## SCHOLARSHIPS & HONOURS

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**Mexican Academy of Sciences**

Undergraduate Scholarship to conduct research activities

*2016*

**National Council for Science and Technology (Mexico)**

Graduate Scholarship to conduct graduate studies (M. Sc.)

National Institute of Astrophysics Optics and Electronics (INAOE), Mexico

*2018 - 2020*

## SCHOOLS AND WORKSHOPS

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- **Dynamical Systems and Machine Learning Approaches to Sun-Earth Relations** *2021*
- **IT Essentials: PC Hardware and Software, CISCO Networking Academy** *2011*

## SCIENTIFIC PRESENTATIONS

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- **Poster**, XII Latin American Conference on Space Geophysics (online) *Nov. 2021*
- **Poster**, LXIV Meeting of the Mexican Physical Society (online) *Oct. 2021*
- **Poster**, LXIII Meeting of the Mexican Physical Society (online) *Oct. 2020*

- **Invited Seminar**, Space Geophysics Division DIDGE/CGCEA - INPE, Brazil. *Feb. 2020*
- **Poster**, VII Brazilian Symposium on Space Geophysics and Aeronomy. *Nov. 2018*
- **Poster**, LXI Meeting of the Mexican Physical Society. *Oct. 2018*
- **Talk**, Meeting of the Cosmic Rays Division of the Mexican Physical Society. *Oct. 2018*
- **Invited Talk**, Seminar on New Physics in Accelerators and the Cosmos, BUAP. *Feb. 2017*
- **Poster**, LIX Meeting of the Mexican Physical Society. *Oct. 2016*
- **Poster**, LVIII Meeting of the Mexican Physical Society. *Oct. 2015*
- **Poster**, LVII Meeting of the Mexican Physical Society. *Oct. 2014*

## SELECTED SERVICES

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- Organizing Committee and Collaborator**, Mexican Astronomy Olympiad. *2018 - Present*  
**Mentor**, BUAP undergraduate student mentoring program. *2015 - 2017*

## TEACHING EXPERIENCE

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- Guest Lecturer**, Mini Course: Special Relativity. *Aug. 2018*  
**Guest Lecturer**, Mini Course: Stellar Properties. *Aug. 2018*

- Teaching Assistant / Grader**, Course: Space Physics, at INAOE. *Jun, 2020*  
**Teaching Assistant / Grader**, Course: Space Physics, at INAOE. *Jun, 2021*

- Math / Physics tutoring**, high school / college level *Present*

## SKILLS

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- Programming Languages:* Python, IDL  
*Software:* L<sup>A</sup>T<sub>E</sub>X/Overleaf, Office suite, iWork suite  
*Operating Systems:* MacOS, Unix/Linux, Windows  
*Languages:* Spanish (native), English, Portuguese

## SCIENTIFIC SOCIETIES

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- Member** of the Mexican Physical Society *Present*

## PUBLICATIONS

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- **Journal Articles as Graduate Student:**

**E. Tirado-Bueno**, J. E. Mendoza-Torres, R. R. S. de Mendonça, *Barometric Coefficient Dependence on the Geomagnetic Cutoff Rigidity of Neutron Monitors*, Advances in Space Research, DOI: 10.1016/j.asr.2021.04.034