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**Date of Birth:** December 21, 1970

**Place of Birth:** Santa Cruz – Bolivia

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**Languages:** Spanish (native), English (Advanced), Japanese (Intermediate).

**Specialties:** High-Energy Astrophysics, Computational Physics, Mathematical Modeling, Matlab, Wolfram Mathematica, C, and Linux platform programming languages.

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## HIGHER EDUCATION

1. **Doctoral Studies in Science**, specializing in High-Energy Astrophysics, *Tokyo Institute of Technology*, Tokyo, Japan, 2002–2004, Ph.D.(c).
  2. **Master's in Science**, *Tokyo Institute of Technology*, Tokyo, Japan, 2000–2001, MSc.
  3. **Bachelor's in Physics**, *Universidad Mayor de San Andrés*, La Paz, Bolivia, 2000.
  4. **Postgraduate Diploma in Higher Education**, *CEPIES – UMSA*, La Paz, Bolivia, 2006.
  5. **Postgraduate Diploma in Quantitative Methods for Economic Analysis**, *UPB*, 2009.
  6. Awarded the **Monbusho Scholarship** by the Ministry of Science, Education, and Culture of the Government of Japan, 1999.
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## PUBLISHED ARTICLES

References to some of the articles published in national and international journals can be verified on the following websites:

1. **NASA Astrophysics Data System (ADS):** <https://ui.adsabs.harvard.edu>  
*Search by author name: Burgoa, OH*
  2. **Semantic Scholar:** <https://www.semanticscholar.org/author/O.-Burgoa/102809799>  
*Publications: 24, Citations: 83, Highly Influential Citations: 5.*
  3. A **particle transport model** developed during my time at the Tokyo Institute of Technology was published in 2006 in the Springer book:  
*"Cosmic Ray Interactions, Propagation and Acceleration in Space Plasmas"* by Lev Dorman, *Astrophysics and Space Science Library*, ISBN-10: 1-4020-5100-X, p. 179.
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## PROFESSIONAL EXPERIENCE

1. Full-time faculty member in the Department of Engineering, *Universidad Privada Boliviana* (UPB), La Paz, Bolivia.
2. Participation in the **11th Argentine Congress on Space Technology** (CATE 2021 - virtual), April 2021.
3. Postgraduate Lecturer in "Valuation and Estimation of Yield Curves (MATLAB)" for the Diploma in "Fixed Income Securities," *Universidad Privada Boliviana*, 2011.
4. Postgraduate Lecturer in "Computational Economics" for the Diploma in "Quantitative Methods for Economic Analysis," *Universidad Privada Boliviana*, 2015.
5. Postgraduate Lecturer in "Computational Economics" for the Diploma in "Quantitative Methods for Economic Analysis," *Universidad Privada Boliviana*, 2014.
6. Researcher at the **Institute for Advanced Development Studies (INESAD)**, La Paz, Bolivia, 2010.
7. Consultant for the Ministry of Development Planning of the Government of Bolivia for the programming and design of a **Macroeconomic General Equilibrium Model**, La Paz, Bolivia, 2009.
8. Part-time faculty member in the Department of Engineering, *Universidad Privada Boliviana* (UPB), La Paz, Bolivia, 2006–2009.
9. Guest Lecturer at the *Simón Bolívar Higher Normal Institute* (Administered by UMSA) for the Astronomy Module, 2005.
10. Lecturer in the Department of Physics, *Universidad Mayor de San Andrés*, La Paz, Bolivia, 2005.