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Education

- **University of Western Ontario, Physics and Astronomy Dept.** London ON, Canada
M.Sc. student at Western Meteor Physics Group (WMPG) 2012-Present
 - Key Courses: Classical Electrodynamics (9301A 001 GF12, **Grade: 92**), Short Course in Planetary Science (9603A 001GF12, **Grade: 85**), Solar System and Planetary Astronomy (9601 GW13, **Grade: 92**), Planetary Science Field School (Planetsc 9605 **Grade: 85**), Intro to Modern Astrophysics (9610A **Grade: 85**).
 - **Paper based thesis:** A decadal survey of the Daytime Arietid meteor shower using the Canadian Meteor Orbit Radar, S. Bruzzone et al. (in preparation)
- **Faculty of Sciences, UdelaR -Montevideo** Montevideo, Uruguay
Bachelor in Physics, option in Astronomy 2000-2011
 - Key Courses: Introduction to Astrophysics, Fundamental Astronomy and Solar System, Celestial Mechanics, Stellar Astrophysics, Instrumental Techniques, Interstellar Medium and Galaxies, Trans-Neptunian Objects, Advanced Observational Techniques with IRAF, COSPAR Capacity Building Workshop on Planetary Sciences, Planetary Geology, Computational Physics
 - Thesis Project: Photometric Study of Asteroids in Cometary Orbits (ACOs) and Comets in Asteroidal Orbits(CAOs)
- **Umeå Universitet, Department of Physics** Umeå, Sweden
Physics Student within the Linneaus-Palme program, Spring Semester 2005
 - Courses: Statistical Physics, Analytical Mechanics, Astrophysics

Professional Experience

- **University of Western Ontario, Physics and Astronomy Dept.** London, ON
Research and Teaching Assistant Sept. 2012 – Present
 - First Year Physics' Lab
 - Astronomy 2201b
 - Physics 1401A
 - Physics 2201A
 - Physics 1402A
 - Astronomy 2201b
- **Faculty of Sciences, Physics and Astronomy Department** Montevideo
Research and Teaching Assistant May. 2009 – 2012
 - Instrumental Technics in Astronomy
 - Planetology and Solar Physics
 - Fundamental Astronomy and Geodesics
 - Planetary Geology
 - Physics Laboratory for Biochemistry Students
 - Physics Course II for Biochemistry, Biology and Geology Students
- **Profesorado Semipresencial (Distance Studies Courses)** Montevideo
Professor May. 2012 – Feb 2013
 - Fundamental Astronomy and Celestial Mechanics
 - Planetology and Solar Physics
- **Instituto de Profesores Artigas** Montevideo
IPA Astronomical Observatory May. 2012 – Sept 2012
 - Director at IPA Astronomical Observatory.

- **Los Molinos Astronomical Observatory(844)** Montevideo
Observer at Los Molinos Astronomical Observatory *2006–2012*
 - Astrometric and photometric reports to the Minor Planet Center of NEOs and follow up of comets and Potentially Hazardous Objects from Spaceguard
 - Recovery of NEOS and Comets
 - Occultation Campaigns of stars by TNOs: **Varuna**, December 7th 2008, **Makemake** in April the 22nd and **Quaoar** in May 4 2011
 - Search of NEOS at BUSCA Program
- **Adoratrices private high school** Montevideo
Physics Teacher *March. 2009 – March. 2010*
- **Atahualpa private high school** Montevideo
Astronomy Teacher *March. 2009 – March. 2010*
- **Board of Secondary Education** Montevideo
Astronomy Teacher *2002-2003*

Research Interests

- Observational Astronomy in several wavelengths.
- Numerical models, programming, computer implementations and visualization of data.
- Solar System Astronomy

Previous Research Projects

- Occultation campaigns of stars by TNOs. Published results from Makemake and Quaoar occultations.
- Characterization of the Population of Minor Bodies of the Solar System, Fce318 ANII 2009-2010
Principal Investigators: Julio Fernández, Tabaré Gallardo, Gonzalo Tancredi, Javier Licandro, Ricardo Gil-Hutton, Fernando Roig
- Search and Follow up of Asteroids and Comets , CSIC I+D 609/102 2007-2009
Principal Investigator: Gonzalo Tancredi
- ITOKAWA a Global Shaken and Fractured Asteroid with Brazilian Nut Effect (2006-2007)
Principal Investigator: Gonzalo Tancredi

Stays in Foreign Research Institutions

- **University of Helsinki Observatory** Helsinki, Finland
Guest Researcher at the Planetary Research Group January-February 2005
 - Data reduction of TNO with observations from the Wide-Field Imager at La Silla, Chile
 - Recovery of TNOs
 - P.I. Karry Muinonen, Jenny Virtanen , Gonzalo Tancredi

Stays in Astronomical Observatories

- **Complejo Astronómico El Leoncito** San Juan, Argentina
Observing Run April 2009
 - 4 nights at the Jorge-Sahade 2.15m Telescope
- **Cerro Tololo Inter-American Observatories** La Serena, Chile
Observing Run March 2009
 - 4 nights at the ex-Yalo 1m Telescope
- **Complejo Astronómico El Leoncito** San Juan, Argentina
Observing Run June 2008
 - 4 nights at the Jorge-Sahade 2.15m Telescope
- **Complejo Astronómico El Leoncito** San Juan, Argentina
Observing Run May 2007
 - 7 nights at the Helen Sawyer-Hogg 0.6m Telescope

Refereed Publications

- Distribution of boulders and the gravity potential on asteroid Itokawa, G. Tancredi, S. Roland, **S. Bruzzone**, 2014 *submitted*
- Size, shape, albedo, density and atmospheric limit of transneptunian object (50000) Quaoar from multi-chord stellar occultations. F. Braga-Ribas, ... **S. Bruzzone** [.....], 2013 ApJ 773 26
doi:10.1088/0004-637X/773/1/26
- Albedo and atmospheric constraints of dwarf planet Makemake from a stellar occultation. J L Ortiz, ... **S. Bruzzone** [.....], Nature 11/2012; 491(7425):566-9.
- 5088 TANCREDI: Rotation Period and Phase Coefficients. Tancredi G., **Bruzzone S.**, Roland S., Salvo R. Minor Planet Bulletin

- Stellar Occultations by TNOs: the January 08, 2011 by (208996) 2003 AZ84 and the May 04, 2011 by (50000) Quaoar, F. Braga-Ribas, ... **S. Bruzzone**, [.....], EPSC Abstracts Vol. 6, EPSC-DPS2011-PREVIEW, 2011, EPSC-DPS Joint Meeting 2011
- 2006 Observing Programs of the Observatorio Astronómico Los Molinos, G. Tancredi, S. Roland, R. Salvo, F. Benitez, **S. Bruzzone**, A. Ceretta, E. Acosta, Proceedings of Special Session on Astronomy in the Developing World, International Astronomical Union. Cambridge University Press, pp.71-76.

Publication in International Circulars

- Source: *Astrophysics Data System Key: S. Bruzzone*
1. 2011MPEC....G...67B 1.000 04/2011 E Buzzi, L.; Sakamoto, T.; 2011 GG60 Hashimoto, N.; Salvo, R.; Bruzzone, S.; Roland, S.; Tancredi, G.; Martinez, M.; Durig, D. T.; Maxey, S. H.; and 14 coauthors
 2. 2011MPEC....G...49H 1.000 04/2011 E Holmes, R.; Linder, T.; Comet C/2011 g1 (mcnaught) Hoette, V.; Bruzzone, S.; Roland, S.; Salvo, R.; Tancredi, G.; Martinez, M.; Sostero, G.; Guido, E.; and 18 coauthors
 3. 2011MPEC....G...45H 1.000 04/2011 E Holmes, R.; Linder, T.; 2011 GM44 Hoette, V.; Bruzzone, S.; Roland, S.; Salvo, R.; Tancredi, G.; Martinez, M.; Ikari, Y.; Hills, K.; and 18 coauthors
 4. 2011MPEC....F...47B 1.000 03/2011 E Blythe, M.; Spitz, G.; 2011 FQ17 Brungard, R.; Paige, J.; Festler, P.; McVey, T.; Valdivia, A.; Holmes, R.; Linder, T.; Hoette, V.; and 5 coauthors
 5. 2011MPEC....C...16H 1.000 02/2011 E U Honkova, M.; Tichy, M.; Observations and Orbits of Comets Ticha, J.; Kocer, M.; Jaeger, M.; Prosperi, E.; Prosperi, S.; Vollmann, W.; Buzzi, L.; Almindros, I.; and 93 coauthors
 6. 2011MPEC....B...41H 1.000 01/2011 E U Honkova, M.; Tichy, M.; Observations and Orbits of Comets Ticha, J.; Kocer, M.; Bilkina, B.; Tesi, L.; Fagioli, G.; Jaeger, M.; Prosperi, E.; Prosperi, S.; and 106 coauthors
 7. 2011MPEC....A...38H 1.000 01/2011 E U Honkova, M.; Tichy, M.; Comet P/2002 VP94 (linear) Ticha, J.; Kocer, M.; Haver, R.; Jaeger, M.; Prosperi, E.; Prosperi, S.; Vollmann, W.; Naves, R.; and 74 coauthors
 8. 2011MPEC....A...08G 1.000 01/2011 E U Gajdos, S.; Haver, R.; Observations and Orbits of Comets Caradossi, A.; Jaeger, M.; Prosperi, E.; Vollmann, W.; Buzzi, L.; Almindros, I.; Naves, R.; Campas, M.; and 81 coauthors
 9. 2010MPEC....Y...12K 1.000 12/2010 E U Kostov, A.; Bilkina, B.; Observations and Orbits of Comets Mikuz, B.; Jaeger, M.; Prosperi, E.; Vollmann, W.; Sergeev, A.; Novichonok, A.; Chestnov, D.; Galli, G.; and 84 coauthors
 10. 2010MPEC....X...66S 1.000 12/2010 E U Sakamoto, T.; Hashimoto, N.; 2010 XC15 Asami, A.; Kowalski, R. A.; Ahern, J. D.; Beshore, E. C.; Boattini, A.; Garradd, G. J.; Gibbs, A. R.; Grauer, A. D.; and 12 coauthors
 11. 2010MPEC....X...60N 1.000 12/2010 E Naves, R.; Campas, M.; 2010 XE11 Sakamoto, T.; Hashimoto, N.; Blythe, M.; Spitz, G.; Brungard, R.; Paige, J.; Festler, P.; Salvo, R.; and 11 coauthors
 12. 2010MPEC....X...50B 1.000 12/2010 E U Buzzi, L.; Hicks, M.; 2010 XO10 Blythe, M.; Spitz, G.; Brungard, R.; Paige, J.; Festler, P.; Salvo, R.; Roland, S.; Bruzzone, S.; and 5 coauthors
 13. 2010MPEC....V...106K 1.000 11/2010 U Kryachko, T.; Satovski, B.; Observations of Comets Gajdos, S.; Vilagi, J.; Jaeger, M.; Prosperi, E.; Vollmann, W.; Buzzi, L.; Naves, R.; Campas, M.; and 91 coauthors
 14. 2010MPEC....U...51B 1.000 10/2010 E U Buzzi, L.; Bruzzone, S.; 2010 UE7 Salvo, R.; Roland, S.; Tancredi, G.; Martinez, M.; McGaha, J. E.; McNaught, R. H.; Ahern, J. D.; Beshore, E. C.; and 14 coauthors
 15. 2010MPEC....U...25D 1.000 10/2010 E U Donato, L.; Gonano, V.; 2010 TX168 Guido, E.; Sostero, G.; Grauer, A. D.; Ahern, J. D.; Beshore, E. C.; Boattini, A.; Garradd, G. J.; Gibbs, A. R.; and 22 coauthors
 16. 2010MPEC....S...29C 1.000 09/2010 E U Casali, M.; Marinello, W.; Observations of Comets Micheli, M.; Pizzetti, G.; Soffiantini, A.; Cernis, K.; Jaeger, M.; Prosperi, E.; Vollmann, W.; Naves, R.; and 81 coauthors
 17. 2010MPEC....R...72J 1.000 09/2010 E U Jaeger, M.; Prosperi, E.; Observations of Comets Vollmann, W.; Buzzi, L.; Naves, R.; Campas, M.; Hasubick, W.; Reina, E.; Kadota, K.; Abe, H.; and 91 coauthors
 18. 2010MPEC....R...11B 1.000 09/2010 E U Bilkina, B.; Apostolovska, G.; Observations of Comets Gajdos, S.; Vilagi, J.; Jaeger, M.; Prosperi, E.; Vollmann, W.; Galli, G.; Naves, R.; Campas, M.; and 67 coauthors
 19. 2010MPEC....Q...20V 1.000 08/2010 E Vales, J.; Buzzi, L.; Observations of Comets Naves, R.; Campas, M.; Kelemen, J.; Baransky, A.; Danil'Tsev, A.; Blythe, M.; Spitz, G.; Brungard, R.; and 41 coauthors
 20. 2010MPEC....P...33G 1.000 08/2010 E U Gajdos, S.; Jaeger, M.; Observations of Comets Prosperi, E.; Vollmann, W.; Apitzsch, R.; Buzzi, L.; Naves, R.; Campas, M.; Hasubick, W.; Reina, E.; and 68 coauthors
 21. 2010MPEC....L...36H 1.000 06/2010 E U Honkova, M.; Tichy, M.; Observations of Comets Ticha, J.; Kocer, M.; Cernis, K.; Jaeger, M.; Prosperi, E.; Vollmann, W.; Galli, G.; Almindros, I.; and 99 coauthors

22. 2010MPEC....K...54C 1.000 05/2010 E U Cernis, K.; Zdanavicius, J.; Observations of Comets Guido, E.; Jaeger, M.; Prosperi, E.; Sostero, G.; Vollmann, W.; Bagnoud Observatory, F.; Mallmann, F.; Bourquin, Y.; and 96 coauthors
23. 2010MPEC....K...23B 1.000 05/2010 E U Buzzi, L.; Naves, R.; Observations of Comets Campas, M.; Kadota, K.; Abe, H.; Seki, T.; Muraoka, K.; Shimomoto, S.; Wakuda, S.; Herald, D.; and 94 coauthors
24. 2010MPEC....J...103M 1.000 05/2010 McMillan, R. S.; Roland, S.; Comet C/2010 j3 (McMILLAN) Bruzzone, S.; Salvo, R.; Tancredi, G.; Ikari, Y.; Rinner, C.; Kugel, F.; Concari, P.; Foglia, S.; and 7 coauthors
25. 2010MPEC....J...90G 1.000 05/2010 E Guido, E.; Jaeger, M.; Observations of Comets Prosperi, E.; Sostero, G.; Vollmann, W.; Naves, R.; Campas, M.; Kadota, K.; Herald, D.; Sanchez, A.; and 83 coauthors
26. 2010MPEC....J...88H 1.000 05/2010 E Haver, R.; Naves, R.; Comet C/2010 j1 (boattini) Campas, M.; Baransky, A.; Danil'Tsev, A.; Salvo, R.; Bruzzone, S.; Roland, S.; Tancredi, G.; Vazquez, G.; and 31 coauthors
27. 2010MPEC....J...87H 1.000 05/2010 E U Haver, R.; Naves, R.; Comet P/2010 h2 (vales) Campas, M.; Sanchez, A.; Donato, L.; Gonano, V.; Guido, E.; Sostero, G.; Baransky, A.; Danil'Tsev, A.; and 31 coauthors
28. 2010MPEC....J...80K 1.000 05/2010 E Kryachko, T.; Satovski, B.; Comet C/2010 j3 (mcmillan) McMillan, R. S.; Bressi, T. H.; Balam, D. D.; Bohlender, D.; Monin, D.; Chisholm, E.; Kavelaars, J. J.; Roland, S.; and 33 coauthors
29. 2010MPEC....J...44G 1.000 05/2010 E U Gilmore, A. C.; 2010 HY103 Kilmartin, P. M.; McGaha, J. E.; Blythe, M.; Spitz, G.; Brungard, R.; Paige, J.; Festler, P.; Salvo, R.; Bruzzone, S.; and 20 coauthors
30. 2010MPEC....J...32K 1.000 05/2010 E Kryachko, T.; Satovski, B.; Comet C/2010 j1 (boattini) Gajdos, S.; Vilagi, J.; Boattini, A.; Ahern, J. D.; Beshore, E. C.; Gibbs, A. R.; Grauer, A. D.; Hill, R. E.; and 27 coauthors
31. 2010MPEC....J...21B 1.000 05/2010 E Bressi, T. H.; Boattini, A.; 2010 JG Ahern, J. D.; Beshore, E. C.; Garradd, G. J.; Gibbs, A. R.; Grauer, A. D.; Hill, R. E.; Kowalski, R. A.; Larson, S. M.; and 19 coauthors
32. 2010MPEC....H...59C 1.000 04/2010 E U Cernis, K.; Guido, E.; Observations of Comets Jaeger, M.; Prosperi, E.; Sostero, G.; Vollmann, W.; Wiedemann, W.; Buzzi, L.; Naves, R.; Campas, M.; and 81 coauthors
33. 2010MPEC....H...57M 1.000 04/2010 E U Maticic, S.; Solovyov, V.; Comet P/2010 h2 (vales) Kryachko, T.; Satovski, B.; Cernis, K.; Haver, R.; Caradossi, A.; Ory, M.; Buzzi, L.; Naves, R.; and 73 coauthors
34. 2010MPEC....H...48R 1.000 04/2010 E U Roland, S.; Salvo, R.; Comet C/2010 FB87 Wise-Garradd Tancredi, G.; Bruzzone, S.; Martinez, M.; Wood, J.; Foglia, S.; Miller, P.; Garradd, G. J.; Marsden, B. G.
35. 2010MPEC....H...27C 1.000 04/2010 E U Cernis, K.; Zdanavicius, J.; Observations of Comets Guido, E.; Jaeger, M.; Prosperi, E.; Sostero, G.; Vollmann, W.; Buzzi, L.; Naves, R.; Campas, M.; and 80 coauthors
36. 2010MPEC....H...12H 1.000 04/2010 E U Honkova, M.; Tichy, M.; Comet P/2010 H2 Ticha, J.; Kocer, M.; Vales, J.; Zakrajsek, J.; Mikuz, H.; Solovyov, V.; Kryachko, T.; Satovski, B.; and 67 coauthors
37. 2010MPEC....G...14G 1.000 04/2010 E Gajdos, S.; Vilagi, J.; Observations of Comets Prosperi, E.; Camilleri, P.; Guido, E.; Jaeger, M.; Sostero, G.; Vollmann, W.; Buzzi, L.; Naves, R.; and 73 coauthors
38. 2010MPEC....F...31C 1.000 03/2010 E U Cernis, K.; Zdanavicius, J.; Observations of Comets Buzzi, L.; Almindros, I.; Naves, R.; Campas, M.; Scotti, J. V.; Kadota, K.; Herald, D.; Sanchez, A.; and 89 coauthors
39. 2010MPEC....D...15C 1.000 02/2010 E Camilleri, P.; Guido, E.; Observations of Comets Jaeger, M.; Prosperi, E.; Sostero, G.; Vollmann, W.; Buzzi, L.; Naves, R.; Campas, M.; Reina, E.; and 92 coauthors
40. 2010MPEC....B...06B 1.000 01/2010 E Bressi, T. H.; Gilmore, A. C.; 2010 BC Kilmartin, P. M.; Pettarin, E.; Gibbs, A. R.; Ahern, J. D.; Beshore, E. C.; Boattini, A.; Garradd, G. J.; Grauer, A. D.; and 30 coauthors
41. 2010MPEC....A...20M 1.000 01/2010 E U Mikuz, H.; Griesser, M.; Observations of Comets Camilleri, P.; Guido, E.; Jaeger, M.; Prosperi, E.; Sostero, G.; Vollmann, W.; Buzzi, L.; Almindros L., I.; and 56 coauthors
42. 2009MPEC....V...26B 1.000 11/2009 E Boattini, A.; Beshore, E. C.; 2009 VP Garradd, G. J.; Gibbs, A. R.; Grauer, A. D.; Hill, R. E.; Kowalski, R. A.; Larson, S. M.; McNaught, R. H.; Bezpalko, M.; and 20 coauthors
43. 2009MPEC....U...51K 1.000 10/2009 E Kryachko, T.; Satovski, B.; 2009 UM3 Bezpalko, M.; Torres, D.; Kracke, R.; Spitz, G.; Blythe, M.; Stuart, J.; Roland, S.; Bruzzone, S.; and 6 coauthors
44. 2009MPEC....U...48V 1.000 10/2009 E Vales, J.; Camilleri, P.; Observations of Comets Guido, E.; Jaeger, M.; Prosperi, E.; Sostero, G.; Vollmann, W.; Buzzi, L.; Almindros, I.; Naves, R.; and 77 coauthors
45. 2009MPEC....U...46C 1.000 10/2009 E U Concari, P.; Crespi, D.; Comet P/2009 t2 (la Sagra) Fabi, A.; Galli, G.; Gauzer, K.; Minuto, S.; Sacco, V.; Foglia, S.; Buzzi, L.; Naves, R.; and 49 coauthors
46. 2009MPEC....T...48C 1.000 10/2009 E U Casali, M.; Marinello, W.; Observations of Comets Micheli, M.; Pizzetti, G.; Soffiantini, A.; Camilleri, P.; Guido, E.; Jaeger, M.; Prosperi, E.; Sostero, G.; and 79 coauthors
47. 2009MPEC....S...99G 1.000 09/2009 E Gajdos, S.; Vilagi, J.; 2009 SM103 Reina, E.; Donato, L.; Gonano, M.; Gonano, V.; Guido, E.; Santini, V.; Sostero, G.; Kusnirak, P.; and 23 coauthors
48. 2009MPEC....S...86K 1.000 09/2009 E Kornos, L.; Casali, M.; Observations of Comets Marinello, W.; Micheli, M.; Pizzetti, G.; Soffiantini, A.; Camilleri, P.; Guido, E.; Jaeger, M.; Prosperi, E.; and 79 coauthors

49. 2009MPEC....R...59R 1.000 09/2009 E Roland, S.; Bruzzone, S.; 2009 RY3 Salvo, R.; Tancredi, G.; Martinez, M.; McGaha, J. E.; Garradd, G. J.; Beshore, E. C.; Boattini, A.; Gibbs, A. R.; and 5 coauthors
50. 2009MPEC....R...23M 1.000 09/2009 E Mikuz, H.; Gajdos, S.; Observations of Comets Casali, M.; Marinello, W.; Micheli, M.; Pizzetti, G.; Soffiantini, A.; Camilleri, P.; Guido, E.; Prosperi, E.; and 68 coauthors
51. 2009MPEC....Q...75I 1.000 08/2009 E Ivanova, V.; Bilkina, B.; Observations of Comets Apostolovska, G.; Maticic, S.; Haver, R.; Gorelli, R.; Caradossi, A.; Apitzsch, R.; Buzzi, L.; Naves, R.; and 85 coauthors
52. 2009MPC..66693...2T 1.000 08/2009 Tancredi, G.; Bruzzone, S.; Minor Planet Observations [844 Los Molinos] Roland, S.; Salvo, S.; Salvo, R.
53. 2009MPC..66692..11B 1.000 08/2009 U Buie, M. W.; Wittman, D.; Minor Planet Observations [807 Cerro Tololo] Wasserman, L. H.; Tancredi, G.; Bruzzone, S.; Nowajewski, P.; Roland, S.; Barrera, L.
54. 2009MPC..66631..36B 1.000 08/2009 Bruzzone, S.; Roland, S.; Comet Observations [844 Los Molinos] Salvo, S.; Salvo, R.; Tancredi, G.
55. 2009MPEC....O...14C 1.000 07/2009 E U Casali, M.; Marinello, W.; Observations of Comets Micheli, M.; Pizzetti, G.; Soffiantini, A.; Camilleri, P.; Guido, E.; Prosperi, E.; Sostero, G.; Buzzi, L.; and 54 coauthors
56. 2009MPEC....N...43B 1.000 07/2009 E U Bilkina, B.; Apostolovska, G.; Observations of Comets Buzzi, L.; Almendros, I.; Naves, R.; Campas, M.; Reina, E.; Donati, S.; Biggs, J.; Kadota, K.; and 58 coauthors
57. 2009MPC..66408..15B 1.000 07/2009 Bruzzone, S.; Benitez, F.; Comet Observations [844 Los Molinos] Roland, S.
58. 2008MPEC....V...30L 1.000 11/2008 E Lehky, M.; Horalek, P.; Observations of Comets Pikler, M.; Krisandova, Z.; Kostov, A.; Ivanova, V.; Apostolovska, G.; Casali, M.; Marinello, W.; Micheli, M.; and 67 coauthors
59. 2008MPC..64101...8T 1.000 11/2008 Tancredi, G.; Roland, S.; Minor Planet Observations [844 Los Molinos] Bruzzone, S.; Salvo, R.
60. 2008MPC..64002..39R 1.000 11/2008 Roland, S.; Bruzzone, S.; Comet Observations [844 Los Molinos] Salvo, R.; Tancredi, G.
61. 2008MPEC....U...100L 1.000 10/2008 U Lehky, M.; Leheckova, M.; Observations of Comets Tesi, L.; Fagioli, G.; Mazzucato, M.; Korotkiy, S.; Kryachko, T.; Satovski, B.; Chestnov, D.; Buzzi, L.; and 80 coauthors
62. 2008MPEC....U...57P 1.000 10/2008 E Pikler, M.; Husarik, M.; Observations of Comets Krisandova, Z.; Maticic, S.; Korotkiy, S.; Kryachko, T.; Satovski, B.; Chestnov, D.; Buzzi, L.; Naves, R.; and 72 coauthors
63. 2008MPEC....U...27K 1.000 10/2008 E U Kostov, A.; Ivanova, V.; Observations of Comets Borisov, G.; Apostolovska, G.; Tesi, L.; Fagioli, G.; Mazzucato, M.; Gajdos, S.; Casali, M.; Marinello, W.; and 93 coauthors
64. 2008MPEC....S...78K 1.000 09/2008 E U Kostov, A.; Ivanova, V.; Observations of Comets Apostolovska, G.; Borisov, G.; Buzzi, L.; Hasubick, W.; Kadota, K.; Hotta, M.; Abe, H.; Herald, D.; and 62 coauthors
65. 2008MPC..63813...3T 1.000 09/2008 Tancredi, G.; Abella, F.; Minor Planet Observations [844 Los Molinos] Bruzzone, S.; Salvo, R.; Roland, S.
66. 2008MPC..63769..20A 1.000 09/2008 Abella, F.; Bruzzone, S.; Comet Observations [844 Los Molinos] Salvo, R.
67. 2008MPEC....Q...31G 1.000 08/2008 E Gajdos, S.; Kornos, L.; Observations of Comets Cernis, K.; Buzzi, L.; Naves, R.; Campas, M.; Reina, E.; Ligustri, R.; Benvenuti, M.; Kadota, K.; and 49 coauthors
68. 2008MPEC....Q...08G 1.000 08/2008 E U Gajdos, S.; Vilagi, J.; Observations of Comets Alderweireldt, T.; Buzzi, L.; Luppi, F.; Naves, R.; Campas, M.; Kadota, K.; Abe, H.; Wakuda, S.; and 47 coauthors
69. 2008MPEC....P...55V 1.000 08/2008 E Vales, J.; Mikuz, H.; Observations of Comets Buzzi, L.; Luppi, F.; Naves, R.; Campas, M.; Hasubick, W.; Reina, E.; Ligustri, R.; Benvenuti, M.; and 57 coauthors
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71. 2008MPC..63527..45S 1.000 08/2008 Salvo, R.; Bruzzone, S. Comet Observations [844 Los Molinos]
72. 2008MPC..63369..10T 1.000 07/2008 Tancredi, G.; Roland, S.; Minor Planet Observations [844 Los Molinos] Bruzzone, S.; Salvo, R.
73. 2008MPC..63321..19R 1.000 07/2008 Roland, S.; Bruzzone, S.; Comet Observations [844 Los Molinos] Salvo, R.; Tancredi, G.
74. 2008MPEC....M...33E 1.000 06/2008 E Ehrling, N.; Naves, R.; Observations of Comets Campas, M.; Reina, E.; Kadota, K.; Herald, D.; Sanchez, A.; Donato, L.; Gonano, M.; Gonano, V.; and 62 coauthors
75. 2008MPEC....J...39T 1.000 05/2008 E U Tesi, L.; Fagioli, G.; Comet C/2008 j2 (beshore) Mazzucato, M.; Vilagi, J.; Kornos, L.; Apitzsch, R.; Buzzi, L.; Asami, A.; Urakawa, S.; McAndrew, S. G.; and 23 coauthors
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Participation in scientific conferences

- Meteoroids 2013 Poznań, Poland August 2013. Radar observations of the Daytime Arietid meteor shower with the Canadian Meteor Orbit Radar, S. Bruzzone, P. Brown, R. Weryk and D. Wong. Oral contribution.
- Sixth Workshop on Planetary Sciences, Montevideo, Uruguay February 2012. Photometric study of comet P/2008 R1 Garradd, S. Bruzzone, G. Tancredi and G. Garradd. Oral Contribution.
- Fifth Workshop on Planetary Sciences, La Plata, Argentina, February 2010. Search of Low Activity of Asteroids in Planetary Orbits, S. Bruzzone, S. Roland, G. Tancredi, L. Barrera and P. Nowajewski. Poster session.
- XXVII IAU General Assembly, Rio de Janeiro August 2009. Poster Sesion. Search of Low-level Activity of Asteroids in Cometary Orbits, Light Curves of Icy Dwarf Planets, S. Bruzzone, L. Barrera, M. Martinez, P. Nowajewski, S. Roland, G. Tancredi.
- XXVII IAU General Assembly, Rio de Janeiro August 2009. Poster Sesion. The strange case of P/2008R1 (Garradd): a comet or an asteroid?, M. Martinez, G. Tancredi, S. Bruzzone, S. Roland, A. Maciel, R. McNaught, G. Garradd.
- Asteroids Comets Meteors(ACM), Baltimore 2008. ITOKAWA: A Global Shaken and Fractured Asteroid with Brazilian Nut Effect, S. Bruzzone, G. Tancredi, S. Roland. Oral contribution.
- Fourth Workshop on Planetary Sciences, San Juan Argentina, February 2008. Brazilian Nut Effect on a Shaken Asteroid, G. Tancredi, S. Bruzzone, S. Roland. Oral contribution.
- Meeting of the Uruguayan Astronomical Society, November 2007. Developments in the Study of Asteroid Itokawa. G. Tancredi, S. Bruzzone, S. Roland. Oral contribution.
- Second Symposium of LIADA, November 2007, Photometry of Asteroids in Cometary Orbits. S. Bruzzone, G. Tancredi, S. Roland. Oral contribution.
- Meeting of the Uruguayan Astronomical Society, November 2002. Orbital Evolution of Inner Earth Objects(IEOs), Findings of Long-Term Stability Regions. S. Bruzzone, T. Gallardo. Oral contribution.

Skills

Languages: Spanish, mother tongue. Fluent English in reading/writing and speaking. Basic knowledge of Portuguese and Swedish.

IELTS Overall Band score: 8 (September 16, 2011)

Programming: IRAF , Fortran, Matlab, LabView, C and Shell Scripting. Some examples:

- Parallel N-body simulator (Fortran), Gravitational potential calculator using Monte-Carlo based method for asteroid Itokawa, automated curve fitting and data analysis (Matlab), counting rocks using shape detection algorithms (LabView), Mexican Hat wavelet transformation for meteor radar observations (C), handling files and system management (Shell Scripting)

Html and Text: L^AT_EX and HTML edition for websites.

OS: Linux (Ubuntu, Debian), Windows Platforms and Virtualization with VirtualBox. OS installation, troubleshooting techniques, H/W and S/W maintenance

Astronomy-related applications (with links): • IRAF

- Example code for automated image calibration, posted on iraf.net:
<http://iraf.net/forum/viewtopic.php?showtopic=1461978>
- CCD image reduction, photometry and spectra reduction, plate constant determination, psf-fitting and star subtraction examples:
<http://www.fisica.edu.uy/~sbruzzone/ObsENG.html>
- Programming and development of space filters for processing purposes.
- Maxim DL, Astrometrica for Windows
 - CCD Reduction and Astrometric Reports.
 - Differential photometry and kernel filters.
- isis3, Qgis, SPICE
 - How to Install isis3, Qgis in Debian-based systems
<http://elasterismo.blogspot.com/2009/07/planetary-geology-in-ubuntu-amd64.html>
 - Visualization of scientific data from several space missions to Mars
 - Data reduction and creation of map projections from several cameras and instruments
 - Getting data from SPICE kernels, plate scale of imagers, relative position of instruments, projections.
- Other Software
 - SkyChart, C2a, Stellarium, ds9, FitsViewer

Outreach

I deeply enjoy outreach activities such as talking to the public about astronomy and the wonders of the universe. I've been participating in night sky demonstrations and public visits to Los Molinos Observatory since 2006. I was appointed head of the Academic Division of the Uruguayan Olympic Committee of Astronomy, for the first time a group of high school students were prepared for this competition, and it was also the first time that a group achieved 4 gold medals, a bronze medal and one last gold medal for group performance in the Colombian Edition of the Iberoamerican Olympics of Astronomy in September 2012. The uruguayan team achieved the higher number of gold medals at that time.

- Uruguayan Olympic Committee of Astronomy, Head of the Academic Division.
- Invited Guest at Physics' Superheroes, on air May 2011 on Channel 5. Directed by Dr. Ernesto Blanco.

- Public Visits at Los Molinos Astronomical Observatory
- Public Visits to the Astronomy Department at the Faculty of Sciences.

- Secretary of the Uruguayan Astronomical Society (2011-2012).