

CONTRIBUTED TALKS TO INTERNATIONAL CONFERENCES, INVITED EVIDENCED:

1. 2010, Bukowiec, Poland, "*Sylvester II and Astronomy*", Sylvester II Observatory Inauguration Day, **invited talk** 21.5.2010
2. 2010, Paris, France, "*Precision and Harmony in Gerbert's Astronomy*", Université Paris VII-Diderot, **invited talk** 6.5.2010
3. 2010, Padova, Italy, "*Mira Dorrit and Janet*", AAVSO-UAI jointed meeting, Planetario G. Galilei, 21.3.2010
4. 2009, Christchurch, New Zealand, "*Measuring solar diameter with Baily beads: from Watts to Kaguya's lunar profiles*" **invited talk**, 15-18.12.2009
5. 2009, Il Cairo, Egypt, IAGA2 Meeting, "*Solar diameter variations from recent eclipse data (2005-2008)*" **invited talk**, 4-8.12.2009
6. 2009, Niepolomice, Poland, XXVIII ESOP Meeting 29.8-4.9, *Workshop on solar diameter measurements*, **invited talk**.
7. 2009, Pescara, Italy, Italy-China Meeting 29.6-1.7. *Astronomy around 1609: the status of art in Europe*
8. 2009, Pescara, Italy, Italy-Pakistan Meeting 8-10.7. *Long Term Variations of Solar Radius*
9. 2009, Seoul, South Korea, Sejong University, 11 June 2009, *Galileo and Sylvester II*, **invited talk**.
10. 2009, Nice, France, *Astronomie et Astrophysique dans son développement historique*, 25 may Campus St. Jean d'Angély, **invited talk**.
11. 2008, Nizza, Francia, *Les origines de l'univers : entre cosmologie et astrophysique*, 15 october, rue St. Francis de Paule Salle de Conférence des Dominicains, **invited talk**.
12. 2008, Lisboa, Portugal, *Astrometric recognition of the Clementine gnomon and its deviation from celestial North, and Teaching astronomy with the clementine gnomon: measuring sun radius, obliquity, nutation and eccentricity of ecliptic*, XXVII Symposium of the Scientific Instrument Commission at the Museum of Science, University of Lisbon (16-21 September 2008)
13. 2008, Drebach –Germany, *Measuring Solar Diameter with Eclipses*, XXVII ESOP meeting, **invited talk**. Aug. 29-31 (2008).
14. 2008, Pescara, Italy, *Nonlinearity in astronomy: the case of lunar acceleration. How ancient occultations and eclipses have been used to recover this parameter*, 3rd Stueckelberg Workshop 14-18 July, 2008.
15. 2008; Taipei-Hualien, Taiwan, *Measures of Solar Diameter With Eclipses: Data Analysis, Problems and Perspectives*, in Light from Dark Universe V Sino-Italian Workshop, May 28-June 1, 2008.
16. 2007 Pescara, Italy, September 3-7, *Meteotsunami detection in Adriatic and Tyrrhenian Sea*, XXIV ICRANetwork Workshop.
17. 2007 Pescara, Italy, July 20-30, *Solar radius in 2006; Perturbations to Astronomical Tides in Pescara Seaport*, IV Sino-Italian Meeting.
18. 2007 Pescara, Italy, June 25-30, 2007, *Relativistic Corrections to Lunar Occultations*, 10th Italo-Korean Meeting on Relativistic Astrophysics.
19. 2006 New Haven, CT Yale University Astronomy dept., Nov. 1 h. 3 pm, *Solar Diameter Measurements with Transits and Eclipses*, **invited talk**.
20. 2006 Berlin, Germany July 23-29, 2006, *Secular Variations of Solar Diameter; Asteroidal Occultations and Relativity; Relativistic Measurements with the Clementine Line in Santa Maria degli Angeli in Rome* XI Marcel Grossmann Meeting.
21. 2006, Cairo, Egypt, April 1-4, 2006, *Solar Radius in 2005 and 2006; Testing Pinhole Solar Monitor with the Meridian Line of Santa Maria degli Angeli in Rome*, IAU 233 Symposium Solar Activity and its Magnetic Origin.
22. 2005 Stillwater, Oklahoma, September 30 2005, *Measuring Solar Diameter with Eclipses; The asteroidal occultation of Regulus*, IOTA 2005 Annual Meeting.

23. Seoul, South Korea, Sejong University, IX meeting Italia Korea in General Relativity July 24 2005, "*Secular Variation of Solar Diameter*".
24. Daejeon, South Korea, Korean Astronomical Science Institute - Solar and Space Weather Research Group July, 29, 2005 "*Accuracy of Solar Diameter Measurements with Eclipses and Transits*", **invited talk**
25. Gimhae, South Korea, Inje University July 30, 2005 "*Accuracy of Solar Diameter Measurements with Eclipses and Transits. The accuracy of ANGBU-ILGU Sundial*", **invited talks**.
26. 2004 ICRANet Pescara, September 20 - 23, 2004 Testing the Equivalence Principle in Space and on Ground; "*Introduction to Error Analysis in Equivalence Principle Tests*"
27. 2004 European Student Forum, Terni, April 2, 2004, "*Environmental Influences on Athletic Performances*".
28. 2003 Italia-Korea Meeting on General Relativity, Pescara, August, 18-23 2003, "*Astrometry and Relativity*"; "*Measuring Relativistic Effects in Astrophysical Objects*"; "*Solar Oblateness from Archimedes to Dicke*"; "*Dark Matter in an One-dimensional Universe*".
29. 2003 X Marcel Grossmann Meeting on General Relativity Rio de Janeiro, July 22-27, 2003, "*Long-term analysis of variable star luminosities: from Eddington to present time*"; "*Precession in Relativity*".
30. 2002 Hubble Space Telescope Science Heritage Workshop, Chicago April 2-5 2002, "*Correlation of Maxima in Long-Period Variable Stars*"; "*Variability of Solar-Type Stars and of the Sun*".
31. 2002 New Views of the Moon, Europe Future Lunar Exploration, Science Objectives, and Integration of Datasets, Berlin, Germany January 18-22, 2002, "*The Luminous Efficiency of Hypervelocity Impacts on the Moon*", with David W. Dunham.
32. 2001 Yale University Astronomy Department Colloquia, Yale New Haven September, 6 2001 "*Research Projects in Solar Physics*" **invited talk**
33. 2001 Trinity School, New York City, May, 8 2001 **invited talk** on "*Recent Discovery in Astrophysics*" and didactic demonstrations on pinhole astronomy.
34. 2001 The 90th Spring AAVSO Meeting. Madison, Wisconsin May 3-6, 2001. "*Mira and the Star of Bethlehem*" with Dorrit Hoffleit.
<http://www.aavso.org/aavso/meetings/abstractlistspring01.shtml>
35. 2000 Physics in the XXI Century, University of Tor Vergata, Rome Sept. 3-6, 2000, "*The Observation of Lunar Meteors: the Luminous Efficiency Problem*"; "*Kepler and Tycho's Measurement of the Solar Diameter*".
36. 2000 IX Marcel Grossmann Meeting on General Relativity, Rome July 2-8, 2000, "*The Tidal Origin of Fine Structure in the 1998 Leonids Fireballs Peak*"; "*The Measurement of Three Planetary Distances with One Observation*"; "*The Role of Free Streaming in Cosmology*"; "*Probing the Origin of Intracuster Gas with X-Rays*"; "*The Measurement of the Solar Diameter by Tycho and Kepler*"; "*Bright Lunar Impacts and Sporadic Meteors*".
37. 1999 ESO Colloquium, European Southern Observatory, Santiago-de-Chile, Chile, June, 9 1999, **invited talk** "*The Stability of Dark Matter Density Fluctuations in Large Scale Structure Formation*".
38. 1999 CECS, Centro Estudios Científicos de Santiago, Santiago-de-Chile, June 8 1999, **invited talk**, "*The Kinematical and Dynamical Limits of Free Streaming Scale of Fermions in Cosmology*".
39. 1999 Fermi National Accelerator Laboratory, Batavia, Illinois U.S., May 26 - 29, David N. Schramm Memorial Symposium Inner Space/Outer Space II, "*Standard Candles Masses in Large Scale Structure Formation*".
40. 1999 International Workshop on Dynamics and Structure of Galaxies, Venezia, Italy, March 18-19 "*Dynamics of Building Blocks of Galaxies in the Gravitational Instability Scenario*".
41. 1999 Workshop "The Chaotic Universe" Roma-Pescara, Italy, February 1 - 5, "*A Scale Invariant Property in the Large Scale Structure Formation*".

42. 1998 III W. Fairbank Meeting and First ICRA Network Workshop, Rome and Pescara, Italy, June 29-July 4, 1998, "*An Universe Made of Neutrinos is still Possible?*"
43. 1997 Workshop "Views on Distance Indicators" S. Agata sui due Golfi, Napoli, Italy, September 2 – 6, 1997, "*The Galaxy Distribution and the Hubble Law in a Neutrino Dominated Universe*".
44. 1997 VIII Marcel Grossmann Meeting on General Relativity, Jerusalem, Israel June 22–27, 1997 "*On the Power Law Dependence of the Average Density of the Galaxies in the Universe*".
45. 1996 Italian-Russian Meeting IKI-ICRA, Rome University "La Sapienza", Italy, October 6-10, 1996 "*Dark Matter in Clusters of Galaxies*".
46. 1995 Convegno dell'Astrofisica Romana, Rome, Italy, October 15-16, "*The Observation of Clusters of Galaxies with SAX X-ray Telescopes*".
47. 1995 IV Meeting Italian-Korean on Relativistic Astrophysics, Rome, Gran Sasso, Pescara, Italy, July 9-15, 1995, "*Perspectives on the Observation of Clusters in X-ray Band with SAX (X-ray Astronomy Satellite)*".