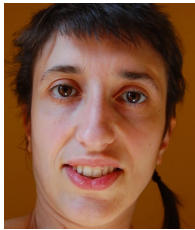


INFORMAZIONI PERSONALI

Michela Mapelli



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Data di nascita 16/01/1977 | Nazionalità Italiana

POSIZIONE RICOPERTA

Ricercatrice di III livello a tempo indeterminato presso INAF - Osservatorio Astronomico di Padova, Vicolo dell'Osservatorio 5, 35122, Padova, Italia

TITOLI DI STUDIO

Doctor Philosophiae in Astrophysics, SISSA, Trieste, Italia, 19/10/2006

Laurea in Fisica, Università di Milano Bicocca, Milano, Italia, 25/02/2003, 110/110 cum laude

ESPERIENZA PROFESSIONALE

2011-oggi

Ricercatore

INAF, Osservatorio Astronomico di Padova, Padova, Italia

2009-2011

Senior Post-doctoral fellow

Università di Milano Bicocca, Milano, Italia

2007-2009

Post-doctoral fellow (Forschungskredit fellow)

University of Zurich, Zurigo, Svizzera

ISTRUZIONE E FORMAZIONE

2003-2006

Dottorando in Astrofisica

presso SISSA/ISAS, Trieste, Italia

1998-2002

Studente, corso di laurea in Fisica

Università di Milano Bicocca, Milano, Italia

1996-1998

Studente, corso di laurea in Lettere e Filosofia

Università di Milano, Milano, Italia

1991-1996

Studente, liceo classico

Liceo classico Bartolomeo Zucchi, Monza, Italia

COMPETENZE PERSONALI

Lingua madre Italiano

Altre lingue

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
INGLESE	avanzato	avanzato	avanzato	avanzato	avanzato
FRANCESE	scolastico	scolastico	scolastico	scolastico	scolastico

Competenze organizzative e gestionali

- leadership (attualmente responsabile di un team di 6 persone)

- capacità di attrarre finanziamenti competitivi per la ricerca (PI di un PRIN INAF 2014, CO-PI di un FIRB 2012, CO-I di un CONACYT 2011 e di un PRIN INAF 2011)

Competenze informatiche

Operating systems: Linux/Unix (excellent), Windows.

Programming languages: C and C++ (excellent), Fortran 77 and 90, perl, sh, python (excellent), HTML.

Packages: IDL (excellent), tipsy (excellent), tipgrid (excellent), splash.

Codes: Starlab (excellent), phiGRAPE (excellent), BEV (excellent, developer), pkdgrav/gasoline (excellent), Gadget (good), Recfast (good), CMBFAST, RAMSES.

Experience in parallel computing (usage of MPI and OpenMP) and in high-performance computing.

Experience in GPU computing (with CUDA parallel architecture).

ULTERIORI INFORMAZIONI

Pubblicazioni

[Il simbolo "#" indica il contributo di studenti e postdoc di cui sono stata supervisore.]

LIST OF PEER-REVIEWED PUBLICATIONS:

 1 – **Mapelli M.**, Rampazzo R., Marino A., `Building gas rings and rejuvenating S0 galaxies through minor mergers', 2015, A&A, in press, arXiv:1501.00016, <http://arxiv.org/abs/1501.00016>

 2 – Wolter A., Esposito P., **Mapelli M.**, Pizzolato F., Ripamonti E., `NGC 2276: a remarkable galaxy with a large number of ultraluminous X-ray sources ', 2015, MNRAS, in press

 3 – Sacco G. G., Jeffries R. D., Randich S., Franciosini E., Jackson R. J., Cottaar M., Spina L., Palla F., **Mapelli M.**, and 22 coauthors, `The Gaia-ESO Survey: discovery of an extended low-mass population in the Vela OB2 association', 2015, A&A, in press, <http://arxiv.org/abs/1501.01330>

 4 – **Mapelli M.**, Zampieri L., `Roche-lobe overflow systems powered by black holes in young star clusters: the importance of dynamical exchanges', 2014, ApJ, 794, 7

 #5 – Trani A. A., **Mapelli M.**, Bressan A., `The impact of metallicity-dependent mass loss versus dynamical heating on the early evolution of star cluster', 2014, MNRAS, 445, 1967

 #6 – Ziosi B. M., **Mapelli M.**, Branchesi M., Tormen G., `Dynamics of stellar black holes in young star clusters with different metallicities - II. Black hole-black hole binaries', 2014, MNRAS, 441, 3703

 7 – **Mapelli M.**, Gualandris A., Hayfield T., `Perturbations induced by a molecular cloud on the young stellar disc in the Galactic Centre', 2013, MNRAS, 436, 3809

 8 – **Mapelli M.**, Annibali F., Zampieri L., Soria R., `A disrupted bulgeless satellite galaxy as counterpart of the ultraluminous X-ray source ESO 243-49 HLX-1', 2013, Astronomy and Astrophysics, 559, 124

- 9 – Esposito P., Israel G. L., Sidoli L., **Mapelli M.**, Zampieri L., Motta S. E., 'Discovery of a 6.4-hr black hole binary in NGC 4490', 2013, MNRAS, 436, 3380
- 10 – **Mapelli M.**, Annibali F., Zampieri L., Soria R., 'A minor merger scenario for the ultraluminous X-ray source ESO 243-49 HLX-1 - II. Constraints from photometry', 2013, MNRAS, 433, 849
- 11 – **Mapelli M.**, Bressan A., 'Impact of metallicity on the evolution of young star clusters', 2013, MNRAS, 430, 3120
- 12 – **Mapelli M.**, Zampieri L., Ripamonti E., Bressan A., 'Dynamics of stellar black holes in young star clusters with different metallicities - I. Implications for X-ray binaries', 2013, MNRAS, 429, 2298
- #13 – Cotini S., Ripamonti E., Caccianiga A., Colpi M., Della Ceca R., **Mapelli M.**, Severgnini P., Segreto A., 'The merger fraction of active and inactive galaxies in the local Universe through an improved non-parametric classification', 2013, MNRAS, 431, 2661
- 14 – **Mapelli M.**, Hayfield T., Mayer L., Wadsley J., 'In Situ Formation of SgrA* Stars Via Disk Fragmentation: Parent Cloud Properties and Thermodynamics', 2012, ApJ, 749, 168
- 15 – Gualandris A., **Mapelli M.**, Perets H., 'Eccentric disc instability in stellar discs formed from inspiraling gas clouds in the Galactic Centre', 2012, MNRAS, 427, 1793
- 16 – **Mapelli M.**, Zampieri L., Mayer L., 'A minor merger scenario for the ultraluminous X-ray source ESO 243-49 HLX-1', 2012, MNRAS, 423, 1309
- 17 – Ferraro F. R., Lanzoni B., Dalessandro E., Beccari G., Pasquato M., Mocchi P., Rood R. T., Sigurdsson S., Sills A., Vesperini E., **Mapelli M.**, et al., 'Dynamical age differences among coeval star clusters as revealed by blue stragglers', 2012, Nature, 492, 393
- #18 – Fiacconi D., **Mapelli M.**, Ripamonti E., Colpi M., 'Adaptive mesh refinement simulations of collisional ring galaxies: effects of the interaction geometry', 2012, MNRAS, 425, 2255
- 19 – Ripamonti E., **Mapelli M.**, 'Broad [O III] in the globular cluster RZ 2109: X-ray ionized nova ejecta', 2012, MNRAS, 423, 1144
- 20 – **Mapelli M.**, Ripamonti E., Vecchio A., Graham A. W., Gualandris A., 'A cosmological view of extreme mass-ratio inspirals in nuclear star clusters', 2012, A&A, 542A, 10221
- 21 – **Mapelli M.**, Mayer L., 'Ring galaxies from off-centre collisions', 2012, MNRAS, 420, 1158
- 22 – Monelli M., Cassisi S., **Mapelli M.**, Bernard E. J., Aparicio A., Skillman E. D., Stetson P. B., Gallart C., Hidalgo S. L., Mayer L., Tolstoy E., 'The ACS LCID Project. VII. The Blue Stragglers Population in the Isolated dSph Galaxies Cetus and Tucana', 2012, ApJ, 744, 157
- 23 – **Mapelli M.**, Ripamonti E., Zampieri L., Colpi M., 'Dynamics of massive stellar black holes in young star clusters and the displacement of ultra-luminous X-ray sources', 2011, MNRAS, 416, 1756
- 24 – **Mapelli M.**, Ripamonti E., Zampieri L., Colpi M., 'Remnants of massive metal-poor stars: Viable engines for ultra-luminous X-ray sources', 2011, AN, 332, 414
- 25 – Ripamonti E., **Mapelli M.**, Zampieri L., Colpi M., 'The metallicity of the nebula surrounding the ultra-luminous X-ray source NGC 1313 X-2', 2011, AN, 332, 418
- #26 – Wolter A., Pizzolato F., Rota S., **Mapelli M.**, Ripamonti E., 'The population of ULXs in the spiral galaxy NGC 2276', 2011, AN, 332, 358
- 27 – **Mapelli M.**, Ripamonti E., Zampieri L., Colpi M., Bressan A., 'Ultra-luminous X-ray sources and remnants of massive metal-poor stars', 2010, MNRAS, 408, 234
- #28 – **Mapelli M.**, Huwyler C., Mayer L., Jetzer Ph., Vecchio A., 'Gravitational Waves from Intermediate-mass Black Holes in Young Clusters', 2010, ApJ, 719, 987
- 29 – Zampieri L., Colpi M., **Mapelli M.**, Patruno A., Roberts T. P., 'Ultraluminous X-ray Sources forming in low metallicity natal environments', 2010, AIPC, 1248, 97

- 30 – **Mapelli M.**, Colpi M., Zampieri L., 'Low metallicity and ultra-luminous X-ray sources in the Cartwheel galaxy', 2009, MNRAS, 395L, 71
- 31 – **Mapelli M.**, Ripamonti E., Battaglia G., Tolstoy E., Irwin M. J., Moore B., Sigurdsson S., 'Blue straggler stars in dwarf spheroidal galaxies - II. Sculptor and Fornax', 2009, MNRAS, 396, 1771
- 32 – **Mapelli M.**, Moore B., 'Are ring galaxies the ancestors of giant low surface brightness galaxies?', 2008, AN, 329, 948
- 33 – **Mapelli M.**, Moore B., Ripamonti E., Mayer L., Colpi M., Giordano L., 'Are ring galaxies the ancestors of giant low surface brightness galaxies?', 2008, MNRAS, 383, 1223
- 34 – **Mapelli M.**, Moore B., Giordano L., Mayer L., Colpi M., Ripamonti E., Callegari S., 'Intermediate-mass black holes and ultraluminous X-ray sources in the Cartwheel ring galaxy', 2008, MNRAS, 383, 230
- 35 – D'Onghia E., **Mapelli M.**, Moore B., 'Merger and ring galaxy formation rates at $z \leq 2$ ', 2008, MNRAS, 389, 1275
- 36 – **Mapelli M.**, Moore B., Bland-Hawthorn J., 'Lopsided galaxies: the case of NGC 891', 2008, MNRAS, 388, 697
- 37 – Ripamonti E., **Mapelli M.**, Zaroubi S., 'Radiation from early black holes - I. Effects on the neutral intergalactic medium', 2008, MNRAS, 387, 158
- 38 – Ghosh K. K., **Mapelli M.**, 'UGC 7069: the largest ring galaxy', 2008, MNRAS, 386L, 38
- 39 – **Mapelli M.**, Ripamonti E., Tolstoy E., Sigurdsson S., Irwin M. G., Battaglia G., 'Blue straggler stars in dwarf spheroidal galaxies', 2007, MNRAS, 380, 1127
- #40 – Devecchi B., Colpi M., **Mapelli M.**, Possenti A., 'Millisecond pulsars around intermediate-mass black holes in globular clusters', 2007, MNRAS, 380, 691
- 41 – Lanzoni B., Sanna N., Ferraro F. R., Valenti E., Beccari G., Schiavon R. P., Rood R. T., **Mapelli M.**, Sigurdsson S., 'A Panchromatic Study of the Globular Cluster NGC 1904. I. The Blue Straggler Population', 2007, ApJ, 663, 1040
- 42 – Lanzoni B., D'Alessandro E., Ferraro F. R., Mancini C., Beccari G., Rood R. T., **Mapelli M.**, Sigurdsson S., 'The Blue Straggler Population of the Globular Cluster M5', 2007, ApJ, 663, 267
- #43 – Valdes M., Ferrara A., **Mapelli M.**, Ripamonti E., 'Constraining dark matter through 21-cm observations', 2007, MNRAS, 377, 245
- 44 – **Mapelli M.**, 'Intermediate-mass black holes in dwarf galaxies: the case of Holmberg II', 2007, MNRAS, 376, 1317
- 45 – Ripamonti E., **Mapelli M.**, Ferrara A., 'The impact of dark matter decays and annihilations on the formation of the first structures', 2007, MNRAS, 375, 1399
- 46 – Ripamonti E., **Mapelli M.**, Ferrara A., 'Intergalactic medium heating by dark matter', 2007, MNRAS, 374, 1067
- 47 – **Mapelli M.**, Sigurdsson S., Ferraro F. R., Colpi M., Possenti A., Lanzoni B., 'The radial distribution of blue straggler stars and the nature of their progenitors', 2006, MNRAS, 373, 361
- 48 – **Mapelli M.**, Ferrara A., Pierpaoli E., 'Impact of dark matter decays and annihilations on reionization', 2006, MNRAS, 369, 1719
- 49 – **Mapelli M.**, Ferrara A., Rea N., 'Constraints on Galactic intermediate mass black holes', 2006, MNRAS, 368, 1340
- 50 – **Mapelli M.**, Salvaterra R., Ferrara A., 'Gamma-ray constraints on the infrared background excess', 2006, NewAstronomy, 11, 420
- 51 – **Mapelli M.**, Colpi M., Possenti A., Sigurdsson S., 'The fingerprint of binary intermediate-mass black holes in globular clusters: suprathermal stars and angular momentum alignment', 2005,

MNRAS, 364, 1315

52 – **Mapelli M.**, Ferrara A., 'Background radiation from sterile neutrino decay and reionization', 2005, MNRAS, 364, 2

53 – **Mapelli M.**, Sigurdsson S., Colpi M., Ferraro F. R., Possenti A., Rood R. T., Sills A., Beccari G., 'The Contribution of Primordial Binaries to the Blue Straggler Population in 47 Tucanae', 2004, ApJL, 605, 29

54 – Colpi M., **Mapelli M.**, Possenti A., 'Is NGC 6752 Hosting a Single or a Binary Black Hole?', 2004, Carnegie Observatories Astrophysics Series.

55 – Colpi M., **Mapelli M.**, Possenti A., 'Probing the Presence of a Single or Binary Black Hole in the Globular Cluster NGC 6752 with Pulsar Dynamics', 2003, ApJ, 599, 1260

INVITED REVIEW PAPERS AND BOOKS :

56 – **Mapelli M.** & Gualandris A., 'Star Formation and Dynamics in the Galactic Centre', invited review paper, 2015, to appear as a chapter of the book 'Astrophysical Black Holes', in the Lecture Notes in Physics, published by Springer

LIST OF NON-REFEREED PUBLICATIONS:

#57 – Branchesi M., Woan G., Astone P., Bartos I., Colla A., Covino S., Drago M., Fan X., Frasca S., Hanna C., Haskell B., Hazboun J. S., Heng I. S., Holz D. E., Johnson-McDaniel N. K., Jones I. D., Keer L., Klimenko S., Kostas G., Larson S. L., Mandel I., **Mapelli M.**, Messenger C., Mazzolo G., Melatos A., Mohanty S., Necula V., Normandin M., Obara L., Opiela R., Owen B., Palomba C., Prodi G. A., Re V., Salemi F., Sidery T. L., Sokolowski M., Schwenzler K., Tiwari V., Tringali M. C., Vedovato G., Vousden W., Yakushin I., Zdrożny A., Ziosi B. M., 'Multi-messenger astronomy of GW sources', 2014, General Relativity and Gravitation, 46, 1771, <http://link.springer.com/article/10.1007/s10714-014-1771-6>

#58 – **Mapelli M.**, Trani A. A., Bressan A., 'The impact of metallicity and dynamics on the evolution of young star clusters', to appear in the Proceedings of the fifth Guillermo Haro conference, held 2-6 December 2013, Puebla, Mexico, <http://arxiv.org/abs/1402.0669>

59 – **Mapelli M.**, 'The missing link between ultraluminous X-ray sources and metallicity', 2013, in Half a Century of X-ray Astronomy, Proceedings of the conference held 17-21 September, 2012 in Mykonos Island, Greece, <http://adsabs.harvard.edu/abs/2013hcx.confE..80M>

60 – **Mapelli M.**, Annibali F., Zampieri L., 'Shedding light on the nature of ESO 243-49 HLX-1', 2013, in Half a Century of X-ray Astronomy, Proceedings of the conference held 17-21 September, 2012 in Mykonos Island, Greece, <http://adsabs.harvard.edu/abs/2013hcx.confE.130M>

61 – Wolter A., Villani M., Pizzolato F., **Mapelli M.**, Ripamonti E., 'ULXs in the bright spiral NGC 2276', 2013, Proceedings of the conference held 17-21 September, 2012 in Mykonos Island, Greece, <http://adsabs.harvard.edu/abs/2013hcx.confE.129W>

62 – **Mapelli M.**, 'X-ray binaries powered by massive stellar black holes', 2013, X-ray Astronomy: towards the next 50 years!, Proceedings of the conference held October 1-5, 2012 in Milan, Italy, Memorie della SAIt, 84, 635, <http://adsabs.harvard.edu/abs/2013MmSAI..84..635M>

63 – **Mapelli M.**, Bressan A., 'Young star cluster evolution and metallicity', 2013, to appear in Stellar Populations 55 years after the Vatican conference, Proceedings of the Symposium 6 of the European Week of Astronomy and Space Science 2012 (EWASS 2012), held July 2-4, 2012 in Roma, Italy. To be published on Mem. SAIt, arXiv:1302.2328, <http://adsabs.harvard.edu/abs/2013arXiv1302.2328M>

64 – Zampieri L., **Mapelli M.**, Ripamonti E., Colpi M., Pintore F., 'Challenging Ultraluminous X-ray Sources', 2011, The X-ray Universe 2011, Presentations of the Conference held in Berlin, Germany, 27-30 June 2011

65 – **Mapelli M.**, Moore B., Ripamonti E., Giordano L., Mayer L., Colpi M., Callegari S., 'Are ring galaxies the ancestors of giant low surface brightness galaxies?', The Galaxy Disk in Cosmological Context, Proceedings of the International Astronomical Union, IAU Symposium, vol. 254, p. 41. Edited by J. Andersen, J. Bland-Hawthorn and B. Nordström. Cambridge: Cambridge University Press, 2009

66 – **Mapelli M.**, Moore B., Bland-Hawthorn J., 'The origin of lopsidedness in galaxies', The Galaxy Disk in Cosmological Context, Proceedings of the International Astronomical Union, IAU Symposium, vol. 254, p. 40. Edited by J. Andersen, J. Bland-Hawthorn and B. Nordström. Cambridge: Cambridge University Press, 2009

67 – Ripamonti E., **Mapelli M.**, 'Impact of Dark Matter Decays and Annihilations on Structure Formation', "THE ELEVENTH MARCEL GROSSMANN MEETING On Recent Developments in Theoretical and Experimental General Relativity, Gravitation and Relativistic Field Theories. Proceedings of the MG11 Meeting on General Relativity. Edited by Hagen Kleinert (Freie Universität Berlin, Germany), Robert T Jantzen (Villanova University, USA), editor of the Marcel Grossmann Meeting series: Remo Ruffini (University of Rome "La Sapienza" Italy) . Published by World Scientific Publishing Co. Pte. Ltd., 2008. ISBN #9789812834300, pp. 982-984"

68 – **Mapelli M.**, Ripamonti E., 'Impact of Dark Matter on Reionization and Heating', "THE ELEVENTH MARCEL GROSSMANN MEETING On Recent Developments in Theoretical and Experimental General Relativity, Gravitation and Relativistic Field Theories. Proceedings of the MG11 Meeting on General Relativity. Edited by Hagen Kleinert (Freie Universität Berlin, Germany), Robert T Jantzen (Villanova University, USA), editor of the Marcel Grossmann Meeting series: Remo Ruffini (University of Rome "La Sapienza" Italy) . Published by World Scientific Publishing Co. Pte. Ltd., 2008. ISBN #9789812834300, pp. 982-984"

#69 – Devecchi B., Colpi M., **Mapelli M.**, Possenti A., 'On the Dynamical Capture of a MSP by an IMBH in a Globular Cluster, Dynamical Evolution of Dense Stellar Systems', Proceedings of the International Astronomical Union, IAU Symposium, 2008, Vol. 246, p. 359

70 – **Mapelli M.**, Hayfield T., Mayer L., Wadsley J., 'In situ formation of the massive stars around SgrA*', 2008, arXiv:0805.0185

71 – **Mapelli M.**, Ripamonti E., 'Primordial gas heating by dark matter and structure formation', 2007, Memorie della Società Astronomica Italiana, v.78, p.800

72 – Colpi M., Devecchi B., **Mapelli M.**, Patruno A., Possenti A., 'The Dynamical Fingerprint of Intermediate Mass Black Holes in Globular Clusters', 2005, INTERACTING BINARIES: Accretion, Evolution, and Outcomes. AIP Conference Proceedings, Vol.797, p. 205

73 – Mapelli M., Salvaterra R., Ferrara A., 'Extragalactic Background Light: new constraints from the study of the photon-photon absorption on blazar spectra', 2004, Proceedings of "Baryons in Dark Matter Halos". Novigrad, Croatia, 5-9 Oct 2004. Editors: R. Dettmar, U. Klein, P. Salucci. Published by SISSA, Proceedings of Science, p.12.1

Presentazioni recenti a conferenze (2010-2015)

- **Black holes in dense star clusters, January 17-22, Aspen, US, invited participant, talk on 'Life and death of stellar discs around supermassive black holes'**
- Perspectives of GPU computing in Physics and Astrophysics, September 15-17 2014, Rome, Italy, contributed talk
- ICT @ INAF, September 16-19 2014, Cagliari, Italy, contributed talk
- **Astro-GR@Rome, 'Gravitational waves and electromagnetic observations of dense stellar systems', July 14-18 2014, Rome, Italy, invited talk**
- MODEST 14, 'The dance of stars: dense stellar systems from infant to old', June 2 - 6 2014, Bad Honnef, Germany, contributed talk
- **Science Workshop on 'ULXs - Implications for our View of the Universe', Lorentz Center, Leiden, The Netherlands, March 31- April 4, 2014, invited review talk**
- **Meeting 'Challenging ultraluminous X-ray sources', University of Milano Bicocca, Milano, Italy, January 30-31 2014, invited talk**
- GH 2013, Massive Young Star Clusters Near and Far: From the Milky Way to Re-ionization, Puebla, Mexico, December 2-6, 2013, contributed talk
- **High Energy Tidal Disruption Events: Looking at the Future, Favignana, Italy September 23-26, 2013, invited talk**
- Black hole (g)astronomy, Brindisi, Italy, 2-6 September 2013, contributed talk
- 20th International Conference on General Relativity and Gravitation (GR20) and 10th Amaldi Conference on Gravitational Waves (Amaldi10), Warsaw, Poland, 7-13 July 2013, contributed talk
- X-ray Astronomy: towards the next 50 years!, Milano, Italy, 1-5 October 2012, contributed talk
- Half a Century of X-ray Astronomy, Mykonos, Greece, 17-21 September 2012, contributed talk
- European week of astronomy and space science (EWASS) 2012, Gaia Research for European Astronomy Training: GREAT Network Science Symposium, Roma, Italy, July 4-6 2012, contributed

talk

- EWASS 2012, Special Session 'Morphology and kinematics of interacting galaxies', Roma, Italy, July 5th 2012, contributed talk
- Black hole Universe 2012, Bamberg, Germany, June 18-22 2012, contributed talk
- **1st Science Workshop of the Gaia Italia Community, Science with Gaia: revising the Italian selection of main themes, Bologna, Italy, December 12-14 2011, invited talk**
- Galaxy Evolution and Environment 2, Milano, Italy, November 7-9 2011, contributed talk
- **Aspen Summer Meeting, Stellar and Intermediate Mass Black Holes: Gravitational Physics and Radiation Sources Across the Universe', Aspen, CO, US, June 6-26, 2011, invited participant, blackboard talk**
- Primordial Black Holes and how to grow Black Holes, COST ACTION MP0905 - BLACK HOLES IN A VIOLENT UNIVERSE, IRA-INAf, Bologna, Italy, April 12-13 2011, contributed talk
- Ultra-Luminous X-ray sources and Middle Weight Black Holes, European Space Astronomy Centre (ESAC), Villafranca del Castillo, Madrid, Spain, May 24-26 2010, contributed talk

Seminari recenti (2010-2015)

- University of Surrey, UK, *The violent life of the Galactic centre*, May 22, 2014
- SISSA/ISAS, Trieste, Italy, *The sarabande of stars and black holes in dense young star clusters*, February 18, 2014
- IASF Bologna, Bologna, Italy, *New perspectives on the violent Universe: unveiling the physics of compact objects with joint observations of gravitational waves and electromagnetic radiation*, December 18, 2013
- University La Sapienza, Rome, Italy, *Simulating young star clusters with different metallicity: impact on structural evolution and stellar exotica*, May 6, 2013
- IRAP, Toulouse, France, *Massive stellar black holes and intermediate-mass black holes: formation pathways and observational fingerprints*, March 7, 2013
- INAF, Brera Observatory (Milano, Italy), *Dynamics of massive stellar black holes*, November 23, 2011
- Physics and Astronomy Department, University of Padua (Padova, Italy), *Galaxy clashes and perturbed galaxies*, September 8, 2011
- University of Bologna and INAF-Bologna Observatory (Bologna, Italy), *Massive stellar black holes in low-metallicity environments*, November 18, 2010
- Institute for Theoretical Physics, University of Zurich (Zurich, Switzerland), *Massive stellar black holes*, September 22, 2010

Riconoscimenti e premi

- 2015: MERAC Prize for Best Early-Career Researcher in Theoretical Astrophysics
- 2013: Italian National Scientific Qualification (Abilitazione Scientifica Nazionale) to become an associate professor (<http://abilitazione.miur.it/public/index.php?lang=eng>)
- 2007: Gratton Prize for the best Italian Ph.D. Thesis in Astronomy and Astrophysics in 2005-2006.
- 2007: Tacchini Prize of the Italian Astronomical Society (SAIt) for the best Italian Ph.D. thesis in Astronomy and Astrophysics in 2006.

Appartenenza a gruppi / associazioni

- 2014 – now: Member of the European Astronomical Society (EAS)
- 2014 – now: Member of the Italian National Institute of Nuclear Physics (INFN)
- 2013 – now: Member of the VMC survey (The VISTA near-infrared YJKs survey of the Magellanic System)
- 2012 – now: Member of the GAIA–ESO survey