

# Riccardo Buscicchio | Lista seminari

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**Seminari:** 29 seminari a conferenze, 10 seminari dipartimentali,

Seminari su invito indicati con \*.

## Seminari a conferenze nazionali e internazionali:

- 29.\* *Emergence of Milky Way structure in the first year of LISA data.*  
CERN UniGe Gravitational Wave meeting, Ginevra, Svizzera, 2025/05/23.
28. *LISA stellar-mass black holes informed by the GWTC-3 population: event rates and parameters reconstruction.*  
LISA Astrophysics Working Group Meeting 2024, Garching, Germania, 2024/11/05.
- 27.\* *Astrophysics panel session.*  
GRASP: Gravity Shape Pisa 2024, Pisa, Italy, 2024/10/24.
- 26.\* *Beyond Gauss? A more accurate model for LISA astrophysical noise sources.*  
Kavli Institute for Cosmology Seminars, Cambridge, Regno Unito, 2024/10/14.
- 25.\* *Beyond Gauss? A more accurate model for LISA astrophysical noise sources.*  
Heterogeneous Data and Large Representation Models in Science, Tolosa, Francia, 2024/10/01.
24. *LISA stellar-mass black holes informed by the GWTC-3 population: event rates and parameters reconstruction.*  
15th International LISA Symposium, Dublino, Irlanda, 2024/07/08.
- 23.\* *LISA data analysis: from the stochastic background to the Milky Way.*  
11th LISA Cosmology Working Group Workshop, Porto, Portogallo, 2024/06/19.
- 22.\* *An introduction to Bayesian Inference.*  
International Pulsar Timing Array Student Week, Milano, Italia, 2024/06/17.
- 21.\* *Statistical challenges in LISA data analysis.*  
LAUTARO joint meeting, GSSI-Università di Milano-Bicocca, Milano, Italia, 2024/04/17.
20. *From mHz to kHz: stochastic background implications on astrophysical sources and population reconstruction.*  
LISA Astrophysics working group workshop, Università di Milano-Bicocca, Milano, Italia, 2023/09/13.
19. *Non-gaussian gravitational wave backgrounds across the GW spectrum.*  
XXV Sigrav conference on general relativity and gravitation, SISSA, Trieste, Italia, 2023/09/04.
- 18.\* *LISA SGWB data analysis (session chair).*  
Data Analysis Challenges for SGWB Workshop, CERN, Ginevra, Svizzera, 2023/07/19.
- 17.\* *Global Fit and foregrounds.*  
LISA SGWB detection brainstorming, Univ. of Geneva, Ginevra, Svizzera, 2023/07/17.
- 16.\* *Beyond functional forms: non-parametric methods. (panelist talk).*  
Gravitational-wave populations: What's next?, Università di Milano-Bicocca, Milano, Italia, 2023/07/01.
15. *The last three years : multiband gravitational-wave observations of stellar-mass binary black holes.*  
LISA Astrophysics working group workshop, University of Birmingham, Birmingham, Regno Unito, 2022/06/23.
14. *The last three years : multiband gravitational-wave observations of stellar-mass binary black holes.*  
American Physical Society (APS) April meeting, New York (NY), USA, 2022/04/12.
13. *Bayesian parameter estimation of stellar-mass black-hole binaries with LISA.*  
XXIV Sigrav conference on general relativity and gravitation, Urbino, Italia, 2021/09/08.
12. *Chirp: a web and smartphone application for visualization of gravitational-wave alerts.*  
14th Amaldi Conference on Gravitational Waves, (online) , 2021/07/21.
- 11.\* *Search for lensing signatures in the gravitational-wave observations from the first half of LIGO-Virgo's third observing run.*  
2nd EPS conference on gravitation, (online, per conto della collaborazione LIGO Virgo KAGRA), 2021/05/27.
- 10.\* *Bayesian parameter estimation of stellar-mass black-hole binaries with LISA.*  
LISA Data Challenge meeting, (online), 2021/06/17.
- 9.\* *Search for lensing signatures in the gravitational-wave observations from the first half of LIGO-Virgo's third observing run.*  
Webinar on behalf of the LVK collaboration, (online), 2021/05/27.
8. *Milky Way Satellites Shining Bright in Gravitational Waves.*  
13th LISA Symposium, (online), 2020/09/13.

7. *Constraining the Lensing of Binary Black Holes from Their Stochastic Background.*  
LISA Sprint workshop, CCA, Flatiron Institute, New York (NY), USA, 2020/03/04.
6. *Multiple source detection in GW astronomy: the label switching problem.*  
30th Texas Symposium, University of Portsmouth, Portsmouth, Regno Unito, 2019/12/12.
5. *Non-gaussian Stochastic background search with importance sampling.*  
LIGO, Virgo, KAGRA September meeting, Varsavia, Polonia, 2019/09/01.
4. *An improved detector for non-Gaussian stochastic background.*  
Stochastic Background Data Analysis for LISA meeting, Instituto de Fisica Teorica, Madrid, Spagna, 2019/06/01.
3. *Hierarchical nonparametric density estimation for population inference.*  
LIGO, Virgo, KAGRA March meeting, Winsconsin, USA, 2019/03/18.
2. *Fast Evaluation of Campbell processes N-point correlation functions.*  
Astro Hack Week: Data Science for Next-Generation Astronomy, Lorentz Center, Leiden, Paesi Bassi, 2018/08/01.
1. *Stochastic Gravitational Wave Background Data Analysis for Radler.*  
5th LISA Cosmology Working Group workshop, Physicum, University of Helsinki, Helsinki, Finlandia, 2018/06/01.

### Seminari presso istituti di ricerca e dipartimenti universitari:

- 10.\* *Fast LISA inference using Gaussian processes.*  
University of Geneva, Ginevra, Svizzera, 2025/05/21.
- 9.\* *Emergence of Milky Way structure in the first year of LISA data.*  
Dipartimento di Fisica, Università di Pisa, Pisa, Italia, 2025/05/16.
- 8.\* *Statistical challenges in GW inference: an application of field theory to direct population reconstruction in LISA.*  
APP seminar, SISSA, Trieste, Italia, 2024/05/06.
- 7.\* *GRAF: Gravitational waves data and global fit.*  
Dipartimento di Fisica, Università di Milano-Bicocca, Milano, Italia, 2023/12/14.
- 6.\* *LISA global inference: statistical and modelling challenges for the Milky Way.*  
Max Planck Institute for Astrophysics, Garching, Germania, 2023/11/29.
- 5.\* *LISA Global inference: modelling, statistical, and computational challenges.*  
Dipartimento di Fisica, Università di Pisa, Pisa, Italia, 2023/10/04.
- 4.\* *Gravitational waves in the many sources, many detectors era.*  
Institute for Mathematics and Physics, University of Stavanger, Stavanger, Norvegia, 2022/09/29.
- 3.\* *Stellar mass binary black holes : what, when, and where.*  
Astroparticule et cosmologie, Université Paris Cité, Paris, Francia, 2022/06/12, (online).
- 2.\* *The last three years: multiband gravitational-wave observations of stellar-mass binary black holes.*  
Physics Department, Columbia University, New York (NY), USA, 2022/04/07.
- 1.\* *Set the alarm : Bayesian parameter estimation of stellar-mass black-hole binaries with LISA.*  
Sun Yat-sen University, Zhuhai, Cina, 2021/07/30, (online).

### Seminari di divulgazione scientifica e conferenze pubbliche:

5. *Onde gravitazionali: ascoltare l'Universo anzichè solo guardarlo.*  
Università di Milano-Bicocca, Milano, Italia, 2024.
4. *An orchestra of lasers and gravitational waves.*  
Pint of Science 2024, Milano, Italia, 2024.
3. *Gravitational-waves in space and on Earth.*  
Manchester Museum of Science and Industry, Manchester, Regno Unito, 2018.
2. *An orchestra of lasers and gravitational waves.*  
Manchester Museum of Science and Industry, Manchester, Regno Unito, 2018.
1. *A Universe of waves.*  
Science Cafè, Pontedera, Italia, 2018.