

CONTACT     Dr. Igor Andreoni  
DETAILS

Assistant Professor in Physics and Astronomy, University of North Carolina at Chapel Hill, NC, USA

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EMPLOYMENT  
HISTORY

- 2021–2024: Neil Gehrels Prize Postdoctoral Fellow at Joint Space-Science Institute – University of Maryland & NASA Goddard Space Flight Center
- 2018–2021: Postdoctoral Fellow at California Institute of Technology (Caltech), Pasadena, CA, USA  
Postdoctoral advisor: Prof. Mansi M. Kasliwal

RESEARCH  
INTERESTS

- Gravitational waves and multi-messenger astronomy
- Tidal Disruption Events
- Optical and high-energy transients
- High time resolution optical astronomy
- Wide-field astronomical surveys

PROFESSIONAL  
MEMBERSHIPS

- 2018–ongoing: Zwicky Transient Facility Collaboration
- 2018–ongoing: LSST Transients and Variable Stars Science Collaboration (co-chair)
- 2018–ongoing: American Astronomical Society
- 2018–2020: Global Relay of Observatories Watching Transients Happen (GROWTH) Collaboration
- 2017–2018: ARC Centre of Excellence for Gravitational Wave Discovery (OzGrav)
- 2016–2018: Student sponsored by the Australian Astronomical Observatory
- 2015–2017: ARC Centre of Excellence for All-sky Astrophysics (CAASTRO)

EDUCATION

- 2015–2018: PhD in Astronomy at Swinburne University of Technology, Melbourne, VIC, Australia.  
Thesis title: “*Deep multi-wavelength exploration of the fast transient Universe*”.  
Supervisors: Prof Jeff Cooke, Prof Matthew Bailes (Swinburne), Dr Stuart Ryder (AAO).
- 2014: Master’s degree in Physics at Università degli Studi di Milano, Milan, Italy.  
Thesis title: “*Monitoring of nearby galaxies with the Swift satellite to search for variable sources.*”  
Supervisors: Dr Sergio Campana, Dr Paolo D’Avanzo (INAF-OAB), Prof Pierre Pizzochero (UniMi).
- 2012: Bachelor’s degree in Physics at Università degli Studi di Milano-Bicocca, Milan, Italy.  
Thesis title: “*Cosmic rays: diffusion in the interstellar medium*”  
Supervisor: Prof Giorgio Sironi (UniMi-Bicocca)

EXTENDED  
RESEARCH  
VISITS

- August–October, 2015: Visiting student at Caltech, Pasadena, CA, USA
- October 2013–February 2015: Master’s thesis and research at the Astronomical Observatory of Brera, Merate, LC, Italy. Mentors: Dr Sergio Campana, Dr Paolo D’Avanzo
- August–October 2013: INFN/NFS Exchange Project - The George Washington University, Washington, DC, USA. Mentor: Prof Alessandra Corsi

LEADERSHIP  
AND SERVICE

- Referee for publications in The Astrophysical Journal (ApJ), The Astrophysical Journal Letters (ApJL), Monthly Notices of the Royal Astronomical Society (MNRAS), The Astronomical Journal (AJ), Astronomy & Astrophysics (A&A), Publications of the Astronomical Society of Australia (PASA), Publications of the Astronomical Society of Japan (PASJ), Philosophical Transactions of the Royal Society; consultant for Nature Astronomy
- 2023–ongoing: co-Chair, Rubin Transients and Variable Stars Science Collaboration
- 2022–ongoing: Chair, Vera C. Rubin Observatory Users Committee
- 2024: Science Organization Committee, “Rubin ToO 2024”, UC Berkeley, CA, USA
- 2022: Subject-matter expert reviewer in a NASA peer review
- 2022: NASA/Fermi senior review Red Team member
- National Science Foundation grant referee
- John Templeton Foundation grant referee
- Hubble Space Telescope proposal referee (external)
- Gemini Observatory proposal referee
- Subaru telescope proposals referee
- Time Allocation Committee, Caltech Optical Observatories (Keck and Palomar observatories)
- Grant proposal reviewer for the American University of Sharjah, United Arab Emirates
- 2022–ongoing: Organizer of the bi-weekly Transient Astronomy Meeting series at University of Maryland, College Park, MD, USA
- 2022–2023: Member of the Equity, Diversity and Inclusion Committee at the Department of Astronomy of the University of Maryland, College Park, MD, USA
- 2022–2023: Co-organizer of the Hot Papers journal club at University of Maryland, College Park, MD, USA
- 2021–2022: Co-organizer of the Caltech-ZTF/SVOM synergy workshop series
- 2020–2021: Co-organizer of the weekly Cahill Time Domain Science Discussion, Caltech, Pasadena, CA, USA
- 2019–2021: Communication Coordinator, Zwicky Transient Facility Collaboration
- 2019–2020: “Leader Development Coaching Program” with Barbara Blatz-Stone MA, Caltech & Claremont Graduate University, CA, USA
- 2018–2020: Postdoc Representative, GROWTH Collaboration Management Team
- Head technical organizer, teaching assistant coordinator, member of the organization committee, and module lecturer for the GROWTH Summer School 2020 (virtual)

- Teaching assistant coordinator and module lecturer at the GROWTH Winter School 2019, San Diego State University, San Diego, CA, USA
- Head technical organizer, teaching assistant coordinator, member of the organization committee, and module lecturer for the GROWTH Summer School 2018, Indian Institute of Technology Bombay, Mumbai, India
- 2017: Student Representative at the Centre for Astrophysics and Supercomputing, Swinburne University, Melbourne, VIC, Australia
- 2015–2018: Co-PI of the “Deeper Wider Faster” observational program (DWF; primary PI: Cooke)
- 2016–2018: Liaison contact between the LIGO-Virgo collaboration and DWF
- Scientific Organization Committee member, Harley Wood Winter School of Astronomy 2017, Kioloa Coastal Campus (ANU), NSW, Australia

#### GRANTS AND AWARDS

- 2024: \$600,000 – NASA Astrophysics Data Analysis Program, Award number 24-ADAP24-0159
- 2024: \$303,516 – NSF Astronomy and Astrophysics Research Grants, Award number 2407924
- 2023: Young Scientist Award, Italian Cultural Society of Washington DC
- 2023: Postdoctoral Scientist Prize for Excellence in the Department of Astronomy, University of Maryland
- 2021: \$76,681 – NASA/*NuSTAR* Cycle 7
- 2021: \$30,000 – Rubin Observatory Kickstarter Grant
- 2021: \$50k AWS credit grant – IST/Amazon AI4Science Cloud Credits Program
- 2020: Neil Gehrels Prize Postdoctoral Fellowship – Joint Space-Science Institute
- 2018: Vice-Chancellor’s Research Excellence Award, team prize, Swinburne University of Technology
- 2016: Best Poster Prize, CAASTRO Retreat 2016
- 2016: AAO PhD Scholarship Scheme Award
- 2015–2018: Swinburne University Postgraduate Research Award (SUPRA)
- 2014: Scholarship to Capable and Meritorious Students – Università degli Studi di Milano, Italy
- 2013: INFN/NSF LIGO-Virgo Exchange Project grant

#### OBSERVING EXPERIENCE

- SOAR: 2 classical nights, weekly AEON queue observations
- Gemini Observatory: 2 queue programs
- Keck/LRIS-ADC: 13 nights (11 remote, 2 at Waimea, Hawaii)
- Keck/NIRES: 1 night, remote from Caltech
- P200: 10 nights with DBSP and/or WASP (9 remote observations, 1 at Mount Palomar, CA)
- P200/CHIMERA: 2 nights (remote)
- Lowell Discovery Telescope: 9 nights or Target of Opportunity observations with LMI or deVeny (remote)
- CTIO-Blanco/DECam: 42 nights (observer or real-time analysis supervisor)

- Subaru/Hyper-Suprime Cam: 2 nights (real-time analysis supervisor at Swinburne University)
- ANU 2.3m/WiFeS: 2 nights, remote from Swinburne University
- Nordic Optical Telescope/ALFOSC: 1 night at La Palma, Canary Islands

ACCEPTED  
TELESCOPE  
PROPOSALS  
(PI ONLY)

- 2025A: **Andreoni, I.**; Cenko, B.; Singer, L.; Coughlin, M.; Cabrera, T.; Freeburn, J.; Hu, L.; Palmese, A.; Srinivasaragavan, G. – *Illuminating the r-process yield of neutron star mergers with Keck spectroscopy* – allocated 2 ToO observations with Keck LRIS/DEIMOS/NIRES (PID 2025A\_N057)
- 2024B: **Andreoni, I.** – *Characterization of Transient Phenomena with SOAR* – SOAR UNC allocation (PID: SOAR2024B-023)
- 2024B: **Andreoni, I.** – *Identification and characterization of gravitational wave counterparts* – SOAR UNC allocation (PID: SOAR2024B-022)
- 2024B: **Andreoni, I.** – *A SOAR study of energetic transients* – SOAR UNC allocation (PID: SOAR2024B-021)
- 2024B: **Andreoni, I.**; Cenko, B.; Singer, L.; Coughlin, M.; Palmese, A.; Srinivasaragavan, G. – *Illuminating the r-process yield of neutron star mergers with Keck spectroscopy* – allocated 2 ToO observations with Keck LRIS/DEIMOS/NIRES (PID 98/2024B\_N177)
- 2023B-2025A: **Andreoni, I.**; Palmese, A. (PIs); Cenko, B.; Coughlin, M.; Kasliwal, M.; Nugent, P.; Margutti, R.; Chornock, R.; Perlmutter, S.; et al. – *GW-MMADS: Gravitational Wave Multi-Messenger Astronomy DECam Survey* – allocated ToO observations with DECam during O4
- 2023B: **Andreoni, I.**; O’Connor, B.; Cenko, B.; Singer, L.; et al. – *ToO Observations of Gravitational Wave Counterparts in the Fourth LIGO-Virgo-KAGRA Observing Run* – allocated 32 hours of ToO observations with Lowell Discovery Telescope LMI/DeVeny (M01)
- 2023A: **Andreoni, I.**; Palmese, A. (PIs); Cenko, B.; Coughlin, M.; Kasliwal, M.; Nugent, P.; Margutti, R.; Chornock, Ryan; Perlmutter, S.; et al. – *Public DECam Follow-Up of Neutron Star Mergers from the Third Gravitational Wave Observing Run* – allocated ToO observations with DECam during O4
- 2023A: **Andreoni, I.**; O’Connor, B.; Cenko, B.; Singer, L.; et al. – *ToO Observations of Gravitational Wave Counterparts in the Fourth LIGO-Virgo-KAGRA Observing Run* – allocated 24 hours of ToO observations with Lowell Discovery Telescope LMI/DeVeny (M01)
- 2022B: **Andreoni, Igor**; Goobar, Ariel; Johansson, Joel; Dhawan, Suhail – *SN Zwicky: NIFS follow-up of the first strongly lensed Type Ia supernova found by the Zwicky Transient Facility* – allocated 3.8hr of observations with Gemini North NIFS via Director Discretionary Time (PID GN-2022B-DD-103)
- 2022B: **Andreoni, Igor**; Cenko, Brad; Singer, Leo; Coughlin, Michael; Ahumada Tomas; Srinivasaragavan, Gokul – *Illuminating the r-process yield of neutron star mergers with Keck spectroscopy* – allocated 4 ToO observations with Keck LRIS/DEIMOS/NIRES (PID 50/2022B\_N167)
- 2022B: **Andreoni, Igor**; O’Connor, Brendan; Cenko, Brad; Singer, Leo; et al. – *ToO Observations of Gravitational Wave Counterparts in the Fourth LIGO-Virgo-KAGRA Observing Run* – allocated 4 hours of ToO observations with Lowell Discovery Telescope LMI/DeVeny (M07)
- 2022A: **Andreoni, Igor**; Cenko, Brad; Singer, Leo; Coughlin, Michael; Ahumada Tomas; Srinivasaragavan, Gokul – *Illuminating the r-process yield of neutron star mergers with Keck spectroscopy* – allocated 2 ToO observations with Keck LRIS/DEIMOS/NIRES (PID 118/2022A\_N155)
- 2021B: **Andreoni, Igor**; Graham, Matthew; Kasliwal, Mansi; Kaye, Stephen; Mahabal, Ashish; Phinney, Sterl; Smith, Roger; Walters, Richard – *A new observing mode for wide-field millisecond astronomy with ZTF* – Allocated 10 hr with Palomar 48-inch Samuel Oschin Telescope/ZTF

- NASA/*NuSTAR* Cycle 7: **Andreoni, Igor**; Lu, Wenbin; Grefenstette, Brian; Kasliwal, Mansi; Yan, Lin – *Where is the “missing energy” from superluminous supernovae?* – allocated 150ks with *NuSTAR*
- 2021A: **Andreoni, Igor**; Graham, Matthew; Kasliwal, Mansi; Kaye, Stephen; Mahabal, Ashish; Phinney, Sterl; Smith, Roger; Walters, Richard – *A new observing mode for wide-field millisecond astronomy with ZTF* – Allocated 10 hr with Palomar 48-inch Samuel Oschin Telescope/ZTF
- 2021A: **Andreoni, Igor**; Kasliwal, Mansi; De, Kishalay, Anand, Shreya – *Vetting kilonova candidates by deep LRIS spectroscopy of underlying hosts* – Allocated 1 night with Keck/LRIS (C277)
- 2020B: **Andreoni, Igor**; Graham, Matthew; Kasliwal, Mansi; Kaye, Stephen; Mahabal, Ashish; Phinney, Sterl; Smith, Roger; Walters, Richard – *A new observing mode for wide-field millisecond astronomy with ZTF* – Allocated 10 hr with Palomar 48-inch Samuel Oschin Telescope/ZTF
- 2020B: **Andreoni, Igor**; Kasliwal, Mansi; De, Kishalay – *Vetting kilonova candidates by deep LRIS spectroscopy of underlying hosts* – Allocated 1/2 night with Keck/LRIS (C286)
- 2020B: **Andreoni, Igor**; Burdge, Kevin; Hallinan, Gregg; Kulkarni, Shri; Kasliwal, Mansi; Lu, Wenbin; Mahabal, Ashish; Majid, Walid; Phinney, Sterl; Ravi, Vikram – *Catching a fast radio burst in the act with the deepest millisecond optical observations* – Allocated 1 night with Palomar 200-inch/CHIMERA (PT10)
- 2020A/2020B: **Andreoni, Igor**; Coughlin, Michael; Fremling, Christoffer; Kasliwal, Mansi; Nordin, Jakob; Singer, Leo; Stein, Robert – *Automatic Follow-up of Optical Counterparts to Gravitational Waves and Short Gamma-ray Bursts* – Allocated 55 hr of LCO 1-m telescope time via the TOM Community Development Program
- 2020A: **Andreoni, Igor**; De, Kishalay; Fremling, Christoffer; Ho, Anna; Kasliwal, Mansi; Kulkarni, Shri; Miller, Adam; Yao, Yuhan – *Rapid Spectroscopy of Young and Fast ZTF Transients* – Allocated 6 hr with Palomar 200-inch/DBSP (PT90); allocated 2 hr of ToO observations with Keck/LRIS or Keck/DEIMOS (C233T)
- 2019B: **Andreoni, Igor**; Adams, Scott; De, Kishalay; Fremling, Christoffer; Ho, Anna; Kasliwal, Mansi; Kulkarni, Shri; Miller, Adam – *Rapid Spectroscopy of Young and Fast ZTF Transients* – Allocated 6 hr with Palomar 200-inch/DBSP (PT03); allocated 3 hr of ToO observations with Keck/LRIS or Keck/DEIMOS (C251T)
- 2019B: **Andreoni, Igor**; Goldstein, Daniel (PIs); Barnes, Jennifer; Cenko, Brad; Coughlin, Michael; Kasliwal, Mansi; Nugent, Peter – *Public DECAM Follow-Up of Neutron Star Mergers from the Third Gravitational Wave Observing Run* – allocated 3 nights of ToO observations (2019B-0353)
- 2019A: Goldstein, Daniel; **Andreoni, Igor** (PIs); Barnes, Jennifer; Cenko, Brad; Coughlin, Michael; Kasliwal, Mansi; Nugent, Peter – *Public DECAM Follow-Up of Neutron Star Mergers from the Third Gravitational Wave Observing Run* – allocated 3 nights of ToO observations (2019A-0205)
- 2018B: **Andreoni, Igor**; Goldstein, Daniel (PIs); Barnes, Jennifer; Cenko, Brad; Coughlin, Michael; Kasliwal, Mansi; Nugent, Peter – *Public DECAM Follow-Up of Neutron Star Mergers from the Third Gravitational Wave Observing Run* – allocated 3 nights of ToO observations (2018B-0330)
- 2018B: **Andreoni, Igor**; Cooke, Jeff; Kasliwal, Mansi; Lidman, Chris; Goldstein, Daniel; Nugent, Peter – *Understanding optical counterparts to gravitational waves detected during the third Advanced LIGO and Virgo Observing Run* – Allocated 30 hr of ToO observations with AAT/AAOmega (A/2018B/02)
- 2016B: **Andreoni, Igor**; Cooke, Jeff; Ryder, Stuart; Flynn, Chris; Pritchard, Tyler; Bernard, Stephanie – *Deeper, Wider, Faster at AAT: Understanding optical counterparts to the fastest bursts in the sky* – Allocated 2 nights at AAT/AAOmega (A/2016B/20)
- 2016B: **Andreoni, Igor**; Cooke, Jeff; Pritchard, Tyler; Ryder, Stuart; Flynn, Chris; Petroff, Emily; Keane, Evan; Murphy, Michael – *Deeper, Wider, Faster: Optical counterparts to the fastest bursts in the sky* – Allocated 3 nights at CTIO-Blanco/DECAM (2016B-0904)

- 2016A: **Andreoni, Igor**; Cooke, Jeff; Pritchard, Tyler; Flynn, Chris; Murphy, Michael; Keane, Evan; Petroff, Emily; Caleb, Manisha – *Deeper, Wider, Faster: Optical counterparts to the fastest bursts in the sky* – Allocated 2 nights at CTIO-Blanco/DECam (2016A-0619)

Co-I in proposals for observing time with the following observatories: *Neil Gehrels Swift Observatory, XMM-Newton, Hubble Space Telescope, Subaru, VLT, Blanco/DECam, Palomar 200-inch, Palomar 60-inch, SOAR, SkyMapper, LCOGT, Gemini, Keck, SALT, Spitzer, REM, ATCA, VLBA*

TEACHING  
AND STUDENT  
SUPERVISION

- January 2024: Lecturer and research mentor for student Ines Belkhodja, *GRAD-MAP Winter School*, University of Maryland, College Park, MD, USA
- 2023: Lecturer, ZTF Summer School, University of Minnesota, Minneapolis, MN, USA
- 2023–ongoing: Mentor of PhD student Shar Daniels (University of Delaware) – Deep Learning Searches for Fast Transients in ZTF RWE Images
- 2023–ongoing: Research Mentor of high school students Henry Martin and Noah Lederman
- 2022: Lecturer, ZTF Summer School, University of Minnesota, Minneapolis, MN, USA
- 2022: Mentor of postdoc Dr. Fabio Ragosta and PhD student Tomas Ahumada – Rubin Observatory Kickstarter project
- June–September 2021: Mentor of SURF student Derek Ing, Caltech, Pasadena, CA, USA
- Hands-on module lecturer, GROWTH Summer School 2020, Liverpool John Moores University, UK (moved virtual)
- July–August 2020: Mentor of student Nathan Campos for the Freshman Summer Research Institute (FSRI) program, Caltech, Pasadena, CA, USA
- Hands-on module lecturer, GROWTH Summer School 2019, San Diego State University, San Diego, CA, USA
- June–September 2019: Mentor of SURF student Tegan Loveridge, Caltech, Pasadena, CA, USA
- Hands-on module lecturer, GROWTH Winter School 2018, Indian Institute of Technology Bombay, Mumbai, India
- January 2018 – Mentor of undergraduate student Gillian Carter, *Science and Technology Internship*, Swinburne University of Technology, Melbourne, VIC, Australia
- June 2017: Mentor high school student Alex Sasik, work-experience project, Swinburne University of Technology, Melbourne, VIC, Australia.
- Semester 2, 2016: Laboratory – *Discovering the Universe*, Swinburne University of Technology, Melbourne, VIC, Australia.
- Semester 1, 2016: Physics tutorials – *Energy and Motion*, Swinburne University of Technology, Melbourne, VIC, Australia.
- 2008–2015: Private tutor in Physics and Mathematics to students attending: the “Politecnico di Milano” university (Mechanical Engineering, Construction Engineering, Civil Engineering, Architecture); the “Università degli Studi di Bergamo” university (Economics); High School (Scientific High School, Artistic High School, Technical and Industrial High School); Middle School; Primary School

INVITED  
TALKS

- December 2–6, 2024: Workshop – *A Workshop on GRBs and Central Engine Powered Transients*, Playa del Carmen, Q. Roo, Mexico
- November 6, 2024: Workshop – *MSE Collaboration Workshop, 2024*, virtual
- November 1, 2024: Colloquium – University of Minnesota, MN, USA
- October 29, 2024: Conference – *Time Domain Astronomy with Swift: IV*, Clemson College, SC, USA
- August 29, 2024: OpenMMA teleconference talk
- June 29 – July 4, 2024: Conference – *Gravitational Wave Astrophysics Conference 2024*, Jingzhou, Hubei Province, China
- May 13–17, 2024: Workshop – *Hotwiring the Transient Universe VII*, Toronto, Canada
- April 15–17, 2024: *LSST-DA ISSC Science Collaboration Meeting 2024*, Harvard University, Cambridge, MA, USA
- April 1, 2024: Colloquium – University of North Carolina, Chapel Hill, NC, USA
- February 19, 2024: Colloquium – Purdue University, IN, USA
- February 13, 2024: Colloquium – University of Florida, FL, USA
- February 7, 2024: Colloquium – University of Maryland, College Park, MD, USA
- January 5, 2024: Seminar – IPAC/Caltech, Pasadena, CA, USA
- December 11–15, 2023: Workshop – *Unveiling the dynamic universe: cosmic streams in the era of Rubin* – Puerto Varas, Chile
- November 9, 2023: Seminar – University of Ferrara, Ferrara, Italy
- October 9, 2023: Seminar – INAF, Astronomical Observatory of Rome, Rome, Italy
- March 6, 2023: Colloquium – University of North Carolina, Chapel Hill, NC, USA
- January 20, 2023: Seminar – Carnegie Mellon University, Pittsburgh, PA, USA
- November 18, 2022: Seminar – The George Washington University, Washington, DC, USA
- September 19–23, 2022: Workshop – *The Unconventional Thinking Tank: Riding the Waves into the Future* – Otranto, Italy
- May 16–18, 2022: Workshop – *Harnack Hous GRB Workshop 2022* – Berlin, Germany
- April 13, 2022: Colloquium – University of Maryland, MD, USA
- December 15, 2021: Explosive Astro talk – UC Berkeley, CA, USA
- November 12, 2021: Seminar – Center for Gravitation, Cosmology, and Astrophysics; University of Wisconsin-Milwaukee, WI, USA
- April 30, 2021: Colloquium – Joint Space-Science Institute
- April 12–17, 2021: Ninth International Fermi Symposium – virtual
- October 8, 2020: KICP Seminar – Kavli Institute for Cosmological Physics, University of Chicago, Chicago, IL, USA
- September 21, 2020: Cosmology Seminar – University of Minnesota, Minneapolis, MN, USA
- February 10–12, 2020: GW Genesis Third Annual Area Symposium – Konan University, Kobe, Japan

- January 21, 2020: CaJAGWR Seminar - Caltech, Pasadena, CA, USA
- September 20, 2019: IPAC Seminar - IPAC, Pasadena, CA, USA
- May 3–4, 2019: LIGO/LSST Workshop – Columbia University, New York City, NY, USA
- November 13-17, 2017: IAU Symposium 339, Southern Horizons in Time-Domain Astronomy – Stellenbosch, South Africa (invited panelist)
- July 27, 2017: Colloquium - Osservatorio Astronomico di Brera, Merate, Italy
- February 14, 2017: CAASTRO Melbourne Area Meeting - The University of Melbourne, Melbourne, VIC, Australia
- November 18, 2016: Colloquium - AAO Headquarters, Sydney, NSW, Australia
- October 12, 2016: Colloquium - The University of Melbourne, Melbourne, VIC, Australia
- November 3, 2015: LIGO-Virgo Collaboration internal seminar - virtual

CONFERENCES  
AND  
WORKSHOPS

- June 10–12, 2024: *ZTF Collaboration Meeting* – Oskar Klein Center, Stockholm, Sweden (talk contribution)
- April 23–26, 2024: *Anticipating the Rising Tide of Tidal Disruption Events: Theory and Observations*, KITP, Santa Barbara, CA, USA (talk contribution)
- February 26–29, 2024: Thinkshop – *Fast-evolving extragalactic transients* – Bormio, Italy (talk contribution)
- January 29–February 2, 2024: Conference – *Transients Down Under* – Melbourne, Australia (talk contribution)
- December 11–15, 2023: Workshop – *Unveiling the dynamic universe: cosmic streams in the era of Rubin* – Puerto Varas, Chile (invited talk)
- November 16–17, 2023: *Lowell Discovery Telescope Partners Meeting* – online (talk contribution)
- October 17–19, 2023: *Oskar Klein Centre 15 Years Celebration* – Stockholm, Sweden (talk contribution)
- October 4–6, 2023: *IV Gravi-Gamma-Nu Workshop* – L'Aquila, Italy (talk contribution)
- August 7–11, 2023: *Rubin Project and Community Workshop* – Tucson, AZ, USA (multiple talks contribution)
- June 20–22, 2023: *The Transient and Variable Universe* – NCSA, University of Illinois Urbana-Champaign, Illinois, USA (talk contribution)
- March 26–30, 2023: 20th Meeting of the AAS High Energy Astrophysics Division – Waikoloa, HI, USA (poster contribution)
- March 20–22, 2023: Scientific Frontiers and Synergies for the DSA-2000 Radio Camera – Caltech, Pasadena, CA, USA (talk contribution)
- March 13–15, 2023: First UVEX Community Workshop: Synergies and New Opportunities – Caltech, Pasadena, CA, USA (session chair)
- December 5–9, 2022: GWPAW 2021 Conference – *The Gravitational Wave Physics and Astronomy Workshop* – Melbourne, Australia (talk contribution)
- August 22–24, 2022: *Time Domain And Multi-Messenger Astrophysics NASA Workshop* – Annapolis, MD, USA
- August 8–12, 2022: *Rubin Project and Community Workshop* – Tucson, AZ, USA (talk contribution)



- June 12–16, 2022: Conference – *240th Meeting of the American Astronomical Society* – Pasadena, CA, USA (talk contribution)
- May 10–13, 2022: *ZTF Collaboration Meeting* – Sorbonne, Paris, France (talk contribution)
- March 28–30, 2022: Workshop – *From Data to Software to Science Workshop* – Flatiron Institute, New York City, NY, USA
- February 8–10, 2022: Workshop *Exploring the Transient Universe with the Nancy Grace Roman Space Telescope* – virtual
- December 14–December 17, 2021: GWPAW 2021 Conference – *The Gravitational Wave Physics and Astronomy Workshop* – Hannover, Germany (talk contribution)
- November 29–December 3, 2021: IAU Symposium 363, *Neutron Star Astrophysics at the Crossroads: Magnetars and the Multimessenger Revolution* – virtual (talk contribution)
- November 16–17, 2021: Second Rubin SCOC Workshop – virtual (session chair, talk contribution)
- April 19–23, 2021: Rubin-Athena Synergy Workshop – virtual (panel co-chair)
- October 21, 2020: *ZTF Collaboration Meeting 2020* – virtual (talk contribution)
- March 26–27, 2020: Workshop, *Enabling novel real-time multi-messenger studies* – virtual
- March 23–25, 2020: *ZTF Collaboration Meeting 2020* – virtual
- September 30–October 4, 2019: *TOM Toolkit Workshop* – Carnegie Observatories, Pasadena, CA, USA
- September 3–5, 2019: *ZTF Collaboration Meeting 2019* – University of Washington, Seattle, WA, USA (talk contribution)
- August 8–9, 2019: *GROWTH Annual Meeting 2019* – San Diego State University, San Diego, CA, USA (talk contribution)
- April 25–26, 2019: Workshop – *Enabling Multi-Messenger Astrophysics in the Big Data Era* – STScI, Baltimore, MD, USA (talk contribution)
- April 22–24, 2019: Symposium, *The Deaths and Afterlives of Stars* – STScI, Baltimore, MD, USA (poster contribution)
- March 26–29, 2019: Asterics conference – *The New Era of Multi-Messenger Astronomy* – Groningen, Netherlands (talk contribution)
- December 6–8, 2018: *GROWTH Annual Meeting 2018* – IIT Bombay, Mumbai, India (talk contribution)
- October 17, 2018: Workshop, *Deep Learning for Multimessenger Astrophysics: Real-Time Discovery at Scale* – NCSA, Urbana, IL, USA (talk contribution)
- September 18–19, 2018: *Swinburne-Caltech Data Science Workshop* – Caltech, Pasadena, CA, USA
- December 11–15, 2017: Conference – *Deciphering the Violent Universe* – Playa del Carmen, Q. Roo, Mexico (poster contribution)
- November 13–17, 2017: IAU Symposium 339 – *Southern Horizons in Time-Domain Astronomy* – Stellenbosch, South Africa (talk contribution)
- November 8–10, 2017: *OzGrav Annual Retreat 2017* – Melbourne, VIC, Australia (talk contribution)
- May 16–18, 2017: *ITSO Science Symposium 2017* – Mt. Stromlo Observatory, Canberra, ACT, Australia (talk contribution)
- November 28–30, 2016: *CAASTRO Annual Retreat 2016* – Busselton, WA, Australia (poster contribution)

- July 3–8, 2016: *ASA Annual Scientific Meeting 2016* – Sydney, NSW, Australia (talk contribution)
- May 23–25, 2016: Workshop – *The Mysterious Connection Between Superluminous Supernovae and Gamma Ray Bursts* – STScI, Baltimore, MD, USA (poster contribution)
- May 16–19, 2016: Conference – *The Transient Sky* – Harvard University, Cambridge, MA, USA (poster contribution)
- March 3, 2016: ausSMC Workshop – *Raising your profile and working with the Media* – Swinburne University, Melbourne, Australia
- November 16–18, 2015: CAASTRO Annual Retreat 2015 – Leura, NSW, Australia (talk contribution)
- September 17–18-, 2015: *Keck Science Meeting* – UCLA, Los Angeles, CA, USA
- August 28–29, 2015: Workshop – *Boutiques & Experiments* – Caltech, Pasadena, CA, USA
- August 24–27, 2015: *iPTF Summer School 2015* – Caltech, Pasadena, CA, USA (poster contribution)
- July 5–10, 2015: *ASA Annual Scientific Meeting 2015* – Fremantle, Australia (talk contribution)
- July 2–5, 2015: *Harley Wood School for Astronomy 2015* – Rottneest Island, Australia
- June 11, 2015: Workshop – *Multi-messenger observations and studies of core-collapse supernovae* – Università degli Studi di Urbino “Carlo Bo”, Urbino, Italy
- April 15, 2015: Workshop – *The needle in the haystack: Optical transient searches in the aLIGO era* – Monash University, Clayton, Australia (talk contribution)
- January 13–24, 2014: Astrophysics School – *Look & Listen: Electromagnetic and gravitational wave signals from compact objects* – Playa del Carmen, Q. Roo, Mexico

#### OUTREACH ACTIVITIES

- June 2024: Interview by Astronomy Magazine, “*Its going to be awesome: How the Vera C. Rubin Observatory will survey space and time*”
- January, 2024: Lecture, Senior Physicist Group, Washington, DC, USA
- May 5, 2023: Public Lecture, Schools for Science, Bergamo, Italy
- December 10, 2022: Lecture, National Capital Astronomers, Washington, DC, USA
- September 28, 2022: Lecture at IMIBerg high school, Bergamo, Italy
- August, 2022: Interview by Science Magazine, “*All-seeing telescope will snap exploding stars, may spy a hidden world*”
- July, 2022: Interview by Science Magazine, “*Radio bursts from ‘zombie’ black holes excite astronomers*”
- January, 2021: Astronomy on Tap Los Angeles, “*The Cosmic Gold Rush*”
- August, 2020: Podcast, “*From milliseconds to years: How fast transient objects appear and disappear in the sky?*”, in collaboration with The Edge of Science
- May, 2020: Interview, “*A bar talk with the expert: light pollution*”, in collaboration with L’EcoPost and Make You Greener
- March 15, 2019: Public Lecture, “*Look & Listen to the Violent Universe*”, Glendale City College, Glendale, CA, USA
- May 11, 2018: “*Look&Listen to the Universe*”, Physics in the Pub, Melbourne, Australia
- April, 2018: Interview, “*Rintracciare i misteriosi fast radio burst in un ambiente cosmico estremo*”, published in the research magazine OggiScienza

- November, 2017: Interview about the discovery of supernova iPTF14hls (*Nature* paper) published in Australian newspapers: The Age, Sydney Morning Herald, Canberra Times
- October 20, 2017: Public Lecture, “*The Violent Universe: explosions, transient events, and gravitational waves*”, Lecture Theatre, Swinburne University of Technology, Melbourne, Australia
- October, 2017: One article written and one interview released for the Italian newspapers BergamoPost and L’Eco di Bergamo
- October 16, 2017: Contribution to the OzGrav, Swinburne, and AAO Press Releases for the first multi-messenger discovery and follow up of an electromagnetic transient associated with a gravitational wave detection (GW170817)
- September 23, 2017: AstroLight Festival volunteer, Scienceworks, Melbourne, Australia
- July 2017: OzGrav video – *We’ve discovered Gravitational Waves, what’s next?*
- June 4–18, 2016: CAASTRO Astronomer in Residence, Ayers Rock (Uluru), Australia
- January 20, 2016: Invited speaker at the Mornington Peninsula Astronomical Society. Title of the talk: *The Violent Sky in Time Domain*, Frankston, VIC, Australia
- August 2, 2015: Solar spots observations and AstroTour guide for the Open Day of the Swinburne University of Technology, Melbourne, VIC, Australia
- June 28, 2015: Interview released for the Italian newspaper “L’Eco di Bergamo”
- 2015–2018: AstroTour guide, Swinburne University of Technology, Melbourne, VIC, Australia
- October 2014: Book – “*Le Forme della Vita: Scienza e Bellezza nelle Lezioni dei Nobel*” (Shapes of Life: Science and Beauty in Nobel Laureates’ Lectures) – scientific curator, transcriber, and translator (from English to Italian) of lectures held by Nobel laureates at BergamoScienza science festival. Published in 300K copies by “Il Corriere della Sera”, RCS MediaGroup, via Solferino 28, 20121 Milano, Italy