

# Curriculum Vitae | Santiago Torres

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## Academic background

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- 11/23–11/25 IST-BRIDGE Fellow, Institute of Science and Technology Austria (ISTA), Austria.
- 11/20–10/23 Postdoctoral Fellow, University of California, Los Angeles (UCLA), USA.
- 1/20–10/20 Postdoctoral Fellow, Leiden Observatory, The Netherlands.
- 2015–2020 PhD in Astrophysics at Leiden Observatory-Leiden University, The Netherlands. Supervisor: Dr. Anthony Brown. Promotor: Prof. dr. Simon Portegies Zwart. PhD thesis ISBN:9789402820331, Diploma obtained: 04/30/2020.
- 2012–2013 Master degree in Astrophysics at Faculty of Science, Universidad Autónoma de Madrid (UAM) – Universidad Complutense de Madrid (UCM), Spain. Supervisor: Dr. Eva Villaver Sobrino.
- 2006–2011 Bachelor degree in Physics at Faculty of Science, Universidad Nacional Autónoma de México (UNAM), Mexico. Supervisor: Dr. Barbara Pichardo.

## Awards & Distinctions

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- 2023 IST-BRIDGE Postdoctoral Fellowship, at Institute of Science and Technology Austria (ISTA), Austria.
- Summer 2023 Visiting scientist at Max Planck Institute for Astrophysics, Garching, Germany.
- Fall 2022 Visiting scientist Kavli Institute for Theoretical Physics (KITP), Santa Barbara CA, USA.
- 2022 ArtSci Fellow, Art Science Center UCLA, Los Angeles CA, USA.
- 2020 Howard and Astrid Preston Postdoctoral Fellowship, UCLA, Los Angeles CA, USA.
- 2018–2019 PI of pilot program for Cartesius Dutch national super computer. Awarded 500 000 CPU hours.
- 2017–2019 PhD research fellowship Leiden Observatory, The Netherlands.
- 2015–2019 PhD research prize fellowship National Council of Science and Technology Mexico (CONACYT), taken to Leiden Observatory, The Netherlands.
- 2012–2014 Prize fellowship for master studies Becas Campus de Excelencia UAM+CSIC, Spain.

## Diversity, Equity and Inclusion Efforts

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- 2022-2023 Founder of The LatinX DEI initiative, Los Angeles, USA. This program aims to help and guide underrepresented teenagers to access higher education.
- 2022–present Co-founder and co-leader of the Dynamic Community Seminar of the Division on Dynamical Astronomy (DDA), USA.
- 2022–present Co-founder and co-leader of the of the Diversity, Equity and Inclusion initiative of the DDA, USA.

- 2021-present ScienceArt: Collective. The collective brings the opportunity to young people to explore art and science and to pursue Art and STEM careers.
- 2020–present Co-founder and co-leader of the Diversity, Equity and Inclusion (DEI) initiative of Physics and Astronomy, UCLA, Los Angeles, USA.

## Mentorship and Service

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- 2023-2024 SOC at the Dynamical Division Astronomy, USA 2024.
- 2018-present Referee: The Astrophysical Journal (ApJ), Astronomy & Astrophysics (A&A) and Monthly Notices of the Royal Astronomical Society (MNRAS).
- 2020-present Lunch Talk organizer Physics and Astronomy Department, UCLA, Los Angeles, USA.
- 2022–present Co-founder of mentoring program of the Division on Dynamical Astronomy (DDA), USA.
- 2021–present Bachelor student supervisor of Zoe Juneau – Undergraduate research UCLA, Los Angeles, USA.
- 2021-2022 Bachelor student supervisor of Nitya Ravi – Undergraduate research UCLA, Los Angeles, USA. Now PhD student at University of Rochester, New York, USA.
- 2019 Master student supervisor of Robin Mentel, Leiden Observatory, Leiden, The Netherlands. Now PhD student at University College Dublin, Ireland.
- 2017-2018 Bachelor student supervisor of Dipto Mukherjee – LEAPS program Leiden Observatory, The Netherlands. Now PhD student at Carnegie Mellon University, USA.
- 2018-2019 Leader of Gaia group at Leiden Observatory - ESTEC/ESA, Leiden, The Netherlands.
- 2018 LOC and SOC of AMUSE workshop, Leiden, The Netherlands.

## Teaching experience (~13 years)

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- 2015–2023 Lecture: UCLA (Physics 1A, Astronomy and Art), Leiden University (Computational Astrophysics). Teaching assistant (UNAM Mexico (Dynamics and Galactic structure).
- 2010–2012 Lecture at Faculty of Science UNAM (2 courses in Astronomy). Teaching assistant (6 courses Selected Topics in Computational Science).

## Scientific talks

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- 2015-2023 Invited talks: 16, Colloquium: 5, Review talk: 3, Conference contributed talks: 13, Outreach talks: 8

### Selected talks:

- August 2023 Max Planck Institute for Astrophysics, Garching, Germany.. Invited talk.
- March 2023 Red Global de México, episode Japan. Perspectives of Mexican researchers about space science and targeted for an audience of Mexican ambassadors. Invited talk.
- March 2023 Colloquium Department of Physics and Astronomy, UCLA, Los Angeles USA. Invited talk.

- March 2023 Exoplanet Systems and Stellar Life Cycles: Late Stage and Post-MS Systems Conference, Aspen USA. Invited review talk.
- October 2022 Colloquium Astrophysics department Radboud University, Nijmegen, The Netherlands. Invited talk.
- July 2022 COSPAR 2022, 44<sup>th</sup> Scientific Assembly, Athens, Greece. Contributed talk
- May 2022 Earth, Planetary, and Space Sciences (EPSS) Seminar UCLA, Los Angeles, USA. Invited talk.
- May 2022 Exoplanets IV, Las Vegas, USA. Contributed talk.
- April 2022 53rd Annual Meeting of the Division on Dynamical Astronomy (DDA), New York, USA. Contributed talk
- July 2021 Faculty seminar REU-UCLA, Los Angeles USA, Virtual. Invited talk.
- April 2020 Colloquium at Leiden Observatory, Leiden, The Netherlands. Invited talk.
- Nov 2019 Seminar at Leibniz Institute for Astrophysics Potsdam, Germany. Invited talk.
- Nov 2019 Seminar at Carnegie Observatories, Pasadena, USA. Invited talk.
- May 2019 Colloquium at The Côte d'Azur Observatory, Nice, France. Invited talk.
- March 2019 Seminar at Paris Observatory, Paris, France. Invited talk.
- Nov 2018 Seminar at Leibniz Institute for Astrophysics Potsdam, Germany. Invited talk.
- Aug 2018 XXXth General Assembly of IAU, Vienna, Austria. Contributed talk.
- June 2018 2018 NYC Gaia Sprint, New York, USA. Contributed talk.
- Jan 2017 DATA Seminar Institute of Astronomy, UNAM, Mexico City, Mexico. Invited talk.

## Art & Science (2019-2023)

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- Fall 2024 Upcoming exhibition: Atmospheric Planet Sound, art installation. To be exhibit at the California NanoSystems Institute (CNSI), Los Angeles CA, USA.
- Winter 2024 Upcoming exhibition: Dark Matters in Between Star Dust, art installation. In collaboration with artists Victoria Vesna (UCLA, Los Angeles CA, USA) and Lucie Strecker (University of Applied Arts, Vienna, Austria).
- 2020-present [Alien] Star Dust: Signal to Noise, art installation by Victoria Vesna. Collaborator and scientific advisor in presentations at The Natural History Museum in Vienna, Austria, the 2022 Fulcrum Festival in Los Angeles, and the CYLAND festival in St. Petersburg, Russia (2021).
- September 2022 Los Angeles Art&Science Fulcrum Festival: Art Installation [Alien] Star Dust Meets Plankton. In collaboration with Victoria Vesna and the ArtSci Center UCLA.
- 2021-present Founder of Tertulias of Art, Science and Society. A series of conversations with scientists, artists, philosophers, social scientists, and writers.
- 2020-present Founder of the Science-Art Collective (SAC). A space to build collaboration within artists and scientists worldwide.
- April 2022 CYFEST-13, Art and Science Festival, Moscow, Russia (Virtual). Invited interview.
- 2022 Daily Bruin Feature: ArtSci Center, UCLA, Los Angeles, USA. Invited interview.
- 2022 Pratt Institute, Art and Science with Dr. Ellen K Levy, New York, USA. Invited interview.
- 2019 Science meets Art meets Science. Collaboration with the Royal Academy of Arts The Hague, The Netherlands. Invited talk.