

Curriculum Vitae | Santiago Torres

 santiago-torres.com —  storres.astro@gmail.com

Academic Background

- 11/23–11/25 Marie Skłodowska-Curie Fellow, Institute of Science and Technology Austria (ISTA), Austria.
- 11/20–10/23 Postdoctoral Fellow, University of California, Los Angeles (UCLA), USA. Smadar Naoz group.
- 01/20–10/20 Postdoctoral Fellow, Leiden Observatory, Leiden University, The Netherlands.
- 2015–2020 PhD in Astrophysics at Leiden Observatory-Leiden University, The Netherlands. Supervisors: Prof. dr. Simon Portegies Zwart and Dr. Anthony Brown. 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's degree in Physics at Faculty of Science, Universidad Nacional Autónoma de México (UNAM), Mexico. Bachelor's thesis supervisor Dr. Barbara Pichardo, Institute of Astronomy, UNAM.

Awards and Distinctions

- 2023 Marie Skłodowska-Curie Postdoctoral Fellowship, at ISTA, Austria.
- 2023 IST-BRIDGE Fellow, 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 at Art Science Center 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.
- 2014-2015 Visiting scientist at Institute of Astronomy, UNAM, Mexico. Collaboration with Dr. Barbara Pichardo in the project *Order and Chaos in disks, from protoplanetary disks to spiral galaxies*, PAPIIT, Mexico City, Mexico.
- 2012–2013 Prize fellowship for master studies Becas Campus de Excelencia UAM+CSIC, Spain.
- 2011–2012 PAPIIT - Dirección General Asuntos del Personal Académico-UNAM. Completion of Bachelor thesis at Institute of Astronomy, UNAM, Mexico.

Supervision

- 2024–present Ph.D. student Jose Luis Gragera, Center for Astrobiology, - Universidad Complutense de Madrid, Spain, co-supervised with Dr. Eva Villaver (Spanish Space Agency).
- 2023–2024 Ph.D. student, Zepei Xing, Departement d' Astronomie, Université de Genève within the Kavli program at Max Planck Institute for Astrophysics, Garching, Germany. Project: The Dynamical Evolution of Circumbinary Planets Around Interacting Binaries.
- 2023–present Bachelor student supervisor of Emma Vidal – Undergraduate Research University of California, Los Angeles (UCLA), USA.
- 2023–present Bachelor student supervisor of Niah Goudar – Undergraduate research University of California, Berkeley, USA.
- 2021–2023 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.

Teaching Experience

- 2024 Guest Lecturer in Life in the Universe at Institute of Science and Technology Austria. 20 students.
- 2023 Lecturer in Physics 1A at The Physics and Astronomy Department, UCLA. 70 students.
- 2022 Lecturer in Astronomy and Art at The Department of Design Media Arts, UCLA. 50 students.
- 2021 Lecturer in Computational Astrophysics at The Physics and Astronomy Department, UCLA. Research for undergraduates program (REU). 20 students.
- 2015–2018 Teaching Assistant in Computational Astrophysics at Leiden University - Leiden Observatory, Leiden, The Netherlands.
- 2014 Teaching Assistant in Dynamics and Galactic Structure at Institute of Astronomy UNAM, Mexico. Master in Astrophysics program.
- 2012 Teaching Assistant in Selected Topics in Electronic and Instrumentation, 2012-1 at The Department of Mathematics Faculty of Science, UNAM, Mexico City, Mexico.
- 2012 Teaching Assistant in Computer Science Seminar, 2012-1 at The Department of Mathematics Faculty of Science, UNAM, Mexico City, Mexico.
- 2011 Teaching Assistant in Selected Topics in Computational Science, 2011-2 at The Department of Mathematics Faculty of Science, UNAM, Mexico City, Mexico.

- 2011 Teaching Assistant in Digital System Design, 2011-1 at The Department of Mathematics Faculty of Science, UNAM, Mexico City, Mexico.
- 2010 Lecturer in Selected Topics in Astrophysics II: Stellar Multiple Encounters in Planetary Disks, 2010-2 at The Physics Department Faculty of Science, UNAM, Mexico City, Mexico.
- 2010 Teaching Assistant in Digital System Design, 2010-1 at The Department of Mathematics Faculty of Science, UNAM, Mexico City, Mexico.
- 2007–2010 Lecturer in Physics and Mathematics at Faculty of Science, UNAM, Mexico City, Mexico. Metropolitan Student Committee for Admission to Undergraduate Studies.

Diversity, Equity and Inclusion Efforts

- 2024–2025 Action Coordinator for Inclusion, Diversity, Equity, and Access (IDEA) within the Division on Dynamical Astronomy (DDA) of the American Astronomical Society (AAS).
- 2022–present Co-founder and co-leader of the Dynamic Community Seminar of the DDA-AAS USA.
- 2022–present Co-leader of the DDA-AAS, mentoring program.
- 2021–present Art and Science mentoring program. The program brings the opportunity for young people to explore art and science and pursue art and STEM careers.
- 2022–2023 Founder of The LatinX DEI initiative, Los Angeles, USA. This program aims to help and guide underrepresented teenagers to access higher education.
- 2020–2023 Co-founder and co-leader of the Diversity, Equity, and Inclusion (DEI) initiative of Physics and Astronomy, UCLA, Los Angeles, USA.
- 2022 DDA 53 Diversity, Equity, and Inclusion Initiative Meet-Up, New York, USA. Organizer.
- 2018 LOC and SOC of AMUSE workshop, Leiden, The Netherlands.

Mentorship and Service

- 2024 SOC at the 55th Annual Meeting of the Dynamical Division Astronomy conference, Toronto, Canada 2024.
- 2018–present Referee: The Astrophysical Journal (ApJ), Astronomy & Astrophysics (A&A) and Monthly Notices of the Royal Astronomical Society (MNRAS).
- 2020–2023 Lunch Talk co-organizer Physics and Astronomy Department, UCLA, Los Angeles, USA.
- 2022–present Co-founder of mentoring program of the Division on Dynamical Astronomy (DDA), 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.

Scientific Talks (selected 2017-2024)

- March 2024 Early Career Science Conference, Austrian Astronomical Society. Invited talk.
- 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 targeted at 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, 44th 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.
- May 2021 Emerging Researchers in Exoplanet Science (ERES) conference, Virtual. Contributed talk.
- March 2021 Triple Evolution and Dynamics (Trendy) conference, Virtual. Contributed 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.
- Aug 2018 Astrobiology Summer School/Workshop: Microsatellites in planetary and atmospheric research, Tartu, Estonia, . Invited review talk.
- June 2018 2018 NYC Gaia Sprint, New York, USA. Contributed talk.
- March 2018 The transneptunian solar system, Coimbra, Portugal. Contributed talk.
- Dec 2017 ESAC data analytics and statistics workshop, Madrid, Spain. Contributed talk.
- Sep 2017 The science of Gaia and future challenges, Lund, Sweden. Contributed talk.
- May 2017 Nederlandse Astronomenconferentie 72 Dutch Astronomy, Nijmegen, The Netherlands. Contributed talk.

Outreach, Science-Art, and Society

- Fall 2024 Upcoming exhibition: *GJ710 the interaction with the Solar System* within Our Dynamic Universe show at The Hayden Planetarium at the American Museum of Natural History, New York, USA. In collaboration with Jackie Faherty, Jon Parker, Carter Emmart, and Neil deGrasse Tyson.
- Winter 2024 Upcoming exhibition: Atmospheric Planet Sound, art installation. To be exhibit at the California NanoSystems Institute (CNSI), Los Angeles CA, USA.
- 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 between artists and scientists worldwide.
- April 2022 CYFEST-13, Art and Science Festival, Moscow, Russia (Virtual). 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.
- 2017-218 Astronomy on Tap Leiden Observatory, Leiden, The Netherlands. Local organizer.

References

- PhD advisor Prof. dr. Simon Portegies Zwart (Leiden Observatory, The Netherlands).
Email: spz@strw.leidenuniv.nl
- PhD advisor Dr. Anthony Brown (Leiden Observatory, The Netherlands).
Email: brown@strw.leidenuniv.nl
- Collaborator Prof. dr. Smadar Naoz (University of California, Los Angeles, USA).
Email: snaoz@astro.ucla.edu
- Collaborator Prof. dr. Eva Villaver (Spanish Space Agency, Spain).
Email: eva.villaver@aee.gob.es
- Career Mentor Prof. dr. Enrico Ramirez-Ruiz (University of California, Santa Cruz, USA).
Email: enrico@ucolick.org
- Career Mentor Prof. dr. Selma de Mink (Max Planck Institute for Astrophysics, Garching, Germany).
Email: sedemink@mpa-garching.mpg.de