

Curriculum Vitae of Prof. Dr. Lucio Mayer

Prof. Dr. Lucio Mayer (EAS and SSAA member, Google Scholar ID: orcid.org/0000-0002-7078-2074)

h-index = 89, i10 index=221 based on Google Scholar

Education

Ph.D. in Astronomy, January 2001, University of Milano, Milano, Italy Laurea (Master) in Physics, July 1997, University of Milano, Milano, Italy

Employment history

Since January 2023 - Founding Director of Department of Astrophysics, University of Zurich

Since February 2021 - Director, Institute for Computational Science, University of Zurich

since August 2021 - Full Professor for Computational Astrophysics, CTAC, Institute for Computational Science, and Physics Institute, University of Zurich

January 2015 - August 2021 - Associate Professor Ad Personam for Computational Astrophysics, CTAC, Institute for Computational Science, and Physics Institute, University of Zurich

2013-2014 - Tenured Group Leader at the MNF of the University of Zurich, and Visiting Professor at Department of Physics, Institute for Astronomy, ETH Zurich.

2006 - 2012 - Assistant Professor (SNF Professor), Institute for Theoretical Physics, University of Zurich

2005-2006 - Zwicky Prize Fellow, Institute for Astronomy, Department of Physics, ETH Zurich

Postdoctoral Research Associate, Institute for Theoretical Physics, University of Zurich, October 2002-September 2005

Postdoctoral Research Associate, Department of Astronomy, University of Washington, November 2000-October 2002

Visiting Scientist, Max-Planck Institute fuer Astrophysik, Garching bei Munchen, Germany, October 1999-January 2000

Awards and Recognitions (including Leadership Roles)

- October 2023 - *EuroHPC JU. Extreme Scale Access Award* - PI Project "TGSF: The Role of Turbulence and Gravity in Star Formation, Unveiling the sonic scale with Smoothed Particle Hydrodynamics"
- since May 2022, International Advisory Board Member for High Performance Computing and Data Science Infrastructure, Italian Institute for Astrophysics (INAF)
- 2021: Elected Board Member of the Swiss Commission for Astronomy
- January 2021: Elected Board Member of SKACH, the Swiss Consortium for the Square Kilometre Array

- November 2020: Finalist of the Breakthrough of the Year Prize in Physical Sciences, Berlin Walls Foundation, for his pioneering work on simulations of supermassive black hole binaries
- Since June 2019, Elected Board Member of the MERAC Foundation (Mobilising European Research in Astrophysics and Cosmology) and Member of the Prize Committee of the European Astronomical Society (EAS)
- 2018-2022, Co-Chair of LISA Astrophysics Working Group and Member of the LISA Science Group of the International LISA Consortium in support of European Space Agency (ESA)'s Laser Interferometer Space Antenna (LISA).
Note: the LISA Consortium counts about 1200 members to date, and the Astrophysics Working Group is its largest section, with more than 600 members.
- 2016-2019 Spokesperson for NCCR "PlanetS" (Domain1) and NCCR Board Member from 2015 till June 2019. Coordination of four groups, at UniZH, ETH (cosmochemistry and astronomy) and UniBern.
- July/August 2013 - Simons Foundation Fellowship at Kavli Institute for Theoretical Physics (KITP, University of California, Santa Barbara) and Coordination of KITP Program "A Universe of Black Holes"
- August-December 2008 - Visiting Fellowship of Isaac Newton Institute for Mathematical Sciences of the University of Cambridge (Cambridge,UK)

Review and Adjudication Panels, and Referee duties

- January 2024 - Appointed Reviewer of Paris Universities Area (PSL) in the domain of Astrophysics and Cosmology
- Spring 2024 - appointed Chair of SNSF Ambitions Fellowship Panel
- Since 2023 Referee for the ERC Advanced Grant "Universe Sciences" domain
- Since May 2023, Appointed External Steering Committee Member, SPACE CoE, Horizon 2020
- Since January 2021, Review Panel Member of AHEAD2020 TNA (european training network)
- September 2019, Review Panel Member in NASA Astrophysics Theory Program (ATP), Annapolis, MD, USA
- Since 2019, Committee Member for SNSF Ambizione Fellowship Program, Switzerland
- Since September 2019, Committee Member of Stephen Hawking Fellowship Program, UK Research and Innovation (UKRI), UK
- Since September 2019, Member of European Astronomical Society (EAS) Prizes Committee