

Paolo Turri

CURRICULUM VITAE

Department of
Physics & Astronomy
University of
British Columbia
6224 Agricultural Rd
Vancouver, BC
V6T1Z1 Canada
✉ turri@astro.ubc.ca
📧 paoloturri.net

Education

Ph.D. in Astronomy, *University of Victoria*, Victoria (BC), Canada. **2017**

Thesis: "Advancing next generation adaptive optics in astronomy: From the lab to the sky"

Advisors: Alan W. McConnachie, David R. Andersen

M.Sc. in Astrophysics and Space Physics, *University of Trieste*, Trieste, Italy. **2012**

Thesis: "Sky coverage of a multi-conjugate adaptive optics system using only natural guide stars on Extremely Large Telescopes"

Advisors: Roberto Ragazzoni, Giorgio Sedmak

B.Sc. in Astronomy, *University of Padova*, Padova, Italy. **2007**

Thesis: "The optical design of an experimental rigid corrector for static aberrations at the VLT prime focus"

Advisors: Roberto Ragazzoni, Giampaolo Piotto

Professional Experience

Postdoctoral Researcher, GIRMOS Adaptive Optics Team, **2019 – current**

University of British Columbia, Vancouver (BC), Canada.

Advisor: Scott C. Chapman

Postdoctoral Researcher, UCLA Galactic Center Group, **2017 – 2019**

University of California - Berkeley, Berkeley (CA), United States.

Advisor: Jessica R. Lu

Professional workshops

TMT Early-Career Initiative, *Pasadena (CA), United States*. **2018**

Professional skills training for managing large astronomy projects

TMT Early-Career Initiative, *Hilo (HI), United States*. **2016**

Professional skills training for managing large astronomy projects

CfAO Summer School on Adaptive Optics, *Santa Cruz (HI), United States*. **2013**

Teachings and laboratories on adaptive optics for astronomy and visual science

Teaching Experience

AstroTech Summer School, *UC Berkeley*. **2019**

Leading activities on the characterization of detectors

Professional Development Program, *UC Santa Cruz*. **2018**

Trained in scientific teaching by the Institute for Scientist & Engineer Educators

Teaching Assistant, *University of Victoria*. **2013 – 2016**

Astr250: Introduction to Astrophysics

Teaching Assistant, *University of Victoria*. **2013**

Astr102: Exploring the Cosmos

Students Mentoring

Layla Haddad , <i>University of Victoria</i> , Graduate. advisor: Scott C. Chapman	2021 – 2022
Tarun Kumar , <i>University of Victoria</i> , PhD. advisors: David R. Andersen, Kim A. Venn	2020 – 2022
William Drechsler , <i>UC Berkeley</i> , Undergraduate. advisor: Jessica R. Lu	2018 – 2019
Ruoyi Yin , <i>UC Berkeley</i> , Undergraduate. advisor: Jessica R. Lu	2018 – 2019
Steve Robinson , <i>UC Berkeley</i> , Undergraduate. advisor: Jessica R. Lu	2018
Mojtaba Taheri , <i>University of Victoria</i> , PhD. advisors: David R. Andersen, Alan W. McConnachie	2015 – 2017

Awards

Canadian Astronomical Society Board Award for Best Student Talk	2015
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Talks and Posters

Invited Talks

Colloquium at San Francisco State University <i>San Francisco (CA), United States</i>	2021
Panelist on “PSF reconstruction and post-processing” at SPIE Astronomical Telescopes + Instrumentation <i>Digital forum</i>	2020
Seminar at TMT International Observatory <i>Pasadena (CA), United States</i>	2018
MAVIS Science and Technical Workshop <i>Sydney, Australia</i>	2018
Colloquium at Gemini South Observatory <i>La Serena, Chile</i>	2016
Colloquium at Department of Physics and Astronomy <i>Bologna, Italy</i>	2014

Contributed Talks

Center for Adaptive Optics, Fall Science Retreat <i>Lake Arrowhead (CA), United States</i>	2019
Adaptive Optics for Astronomy (AO4ASTRO) Conference <i>Marseille, France</i>	2019
TMT Science Forum <i>Pasadena (CA), United States</i>	2018
Center for Adaptive Optics, Fall Science Retreat <i>Lake Arrowhead (CA), United States</i>	2018
UC Galactic Center Group Workshop <i>Los Angeles (CA), United States</i>	2017
Center for Adaptive Optics, Fall Science Retreat <i>Lake Arrowhead (CA), United States</i>	2017

Space Telescope Science Institute, PSF Fitting Workshop <i>Baltimore (MD), United States</i>	2017
SPIE Conference, Astronomical Telescopes + Instrumentation <i>Edinburgh, United Kingdom</i>	2016
Adaptive Optics for Extremely Large Telescopes (AO4ELT) Conference <i>Lake Arrowhead (CA), United States</i>	2015
Annual Meeting of the Canadian Astronomical Society <i>Hamilton (ON), Canada</i>	2015

Posters

SPIE Conference, Astronomical Telescopes + Instrumentation <i>Montreal (QC), Canada</i>	2022
SPIE Conference, Astronomical Telescopes + Instrumentation <i>online</i>	2020
Adaptive Optics for Extremely Large Telescopes (AO4ELT) Conference <i>Québec City (QC), Canada</i>	2019
SPIE Conference, Astronomical Telescopes + Instrumentation <i>Montreal (QC), Canada</i>	2014

Public Outreach

Mount Diablo Astronomical Society , <i>Walnut Creek (CA), United States.</i> Talk on the history of adaptive optics	2019
Royal Astronomical Society of Canada , <i>Victoria (BC), Canada.</i> Talk on the history of adaptive optics at the Annual General Meeting	2016
Royal Astronomical Society of Canada , <i>Victoria (BC), Canada.</i> Public talk at the Dominion Astrophysical Observatory on adaptive optics and the Thirty Meter Telescope	2015
Gruppo Astrofili Polesani , <i>Rovigo, Italy.</i> Public talk on globular clusters and adaptive optics	2014
Legio I Italica , <i>Rovigo, Italy.</i> Public presentations and school lectures on ancient and classical astronomy, mathematics and natural sciences	2007–2012
Gruppo Astrofili Polesani , <i>Rovigo, Italy.</i> Amateur astronomer, organizer of the public evenings at the local astronomical observatory, telescope operator, planetarium operator, member of the Board of Directors	1999–2008

References

- Scott C. Chapman (advisor)**, *NRC Herzberg Astronomy and Astrophysics Research Centre.*
scott.chapman@dal.ca
- Alan W. McConnachie (past advisor)**, *NRC Herzberg Astronomy and Astrophysics Research Centre.*
alan.mconnachie@nrc-cnrc.gc.ca
- David R. Andersen (past advisor)**, *Thirty Meter Telescope International Observatory.*
dandersen@tmt.org
- Jessica R. Lu (past advisor)**, *UC Berkeley – Department of Astronomy.*
jlu.astro@berkeley.edu