

PERSONAL INFORMATION Riccardo Claudi

Sex: Male | Date of birth 05/10/1955 | Nationality Italy

POSITION Staff Astronomer at INAF Astronomical Observatory of Padova

WORK EXPERIENCE

1988 – present Staff Astronomer at INAF Astronomical Observatory of Padova (www.oapd.inaf.it)

- **1988 – 1990:** Responsible of the Calculus centre of the Astronomical Observatory of Padova
- **1990 – 2000:** Project Manager of the SARG (Spettrografo Alta Risoluzione Galileo). Project to build, integrate and test the High-Resolution Spectrograph of the Telescopio Nazionale Galileo (TNG) in Canary Island
- **1998 – 2004:** Principal Investigator (PI) of the RATS (Radial Velocities and Transit Search of Exoplanet) project for the searching of exoplanet transits and characterization of exoplanets by means Radial velocity technique.
- **2004 – 2014:** Project Manager of the Integral Field Spectrograph of SPHERE (Spectro Polarimetric High contrast Exoplanet REsearch) instrument. SPHERE is the extreme adaptive optics system and coronagraphic facility at the Very Large Telescope. Its primary science goal is imaging, low-resolution spectroscopic, and polarimetric characterization of extra-solar planetary systems at optical and near-infrared wavelengths.
- **2012 – 2013:** Chairman of GAPS (Global Architecture of Planetary Systems). The Project gather all the Italian Exoplanetary community for the search and characterization of extrasolar planets using HARPS-N spectrograph at TNG
- **2014 – 2017:** PI of GIARPS (GIAno and haRPS): the project refurbished the GIANO Near Infrared Spectrograph of TNG in order to use it in simultaneous way with HARPS-N in order to have a wide wavelength range.
- **2012 – today:** Member of the Scientific Board of GAPS
- **2013 – today:** PI of Atmosphere in a Test tube project. This is a laboratory network devoted in the simulation and characterization of atmosphere of super Earths orbiting M stars.
- **2016 – today:** System Engineer of SOXS (Son of X-Shooter): the project to built a wide range (UV-VIS NIR) medium resolution spectrograph for the ESO NTT Telescope at La Silla to be used for Transient objects (Novae, Supe novae etc.) studies .

Research Fields:

- Extrasolar planet Atmosphere, observation and characterization. Radial Velocity and transit search. Direct imaging of extrasolar planets
- Astrobiology: biosignature study and modification of super – Earth atmospheres by biota.
- Asteroseismology of Solar – like stars

EDUCATION AND TRAINING

1987 PhD Physics – Dep. Of Physics University of Rome La Sapienza, Italy

ADDITIONAL INFORMATION

Publication of R. Claudi are 406 with a total of 6935 citations of which 150 on refereed publications with 5921 citation. H-Index=41 (after SAO/NASA Astrophysics Data System ADS).

All the publications are available at this link:

https://ui.adsabs.harvard.edu/search/fl=identifier%2C%5Bcitations%5D%2Cabstract%2Cauthor%2Ccorcid_pub%2Ccorcid_user%2Ccorcid_other%2Cbibcode%2Ccitation_count%2Ccomment%2Cdoi%2Cid%2Ckeyword%2Cpage%2Cproperty%2Cpub%2Cpub_raw%2Cpubdate%2Cpubnote%2Cread_count%2Ctitle%2Cvolume%2Clinks_data%2Cesources%2Cdata%2Ccitation_count_norm%2Cemail%2Cdoctype&p_0=0&q=author%3A%22Claudi%22&rows=25&sort=date%20desc%2C%20bibcode%20desc&start=0

Invited Presentations

- **2006:** First Byurakan International Summer School for young Astronomer. Lecture Title: *Asteroseismology of planet host solar stars* **2014:** Conference on 'Frontier Research in Astrophysics'. Held in Mondello (Pa,Italy). Invited Talk: *Search for Life: an astrophysicist's point of view*
- **2015:** 1° Advanced School on Exoplanetary Science: Methods of Detecting Exoplanets. Lecture Title: *Direct Imaging of Faint Companion*
- **2016:** Conference on 'Frontier Research in Astrophysics II'. Held in Mondello (Pa,Italy). Invited Review: Exoplanets – Possible biosignatures.
- **2016:** Heraeus Summer School: Astronomy from four perspective: IV Origins of Stars and Planets. Lecture Title: *Search for life: the point of view of an astrophysicist*
- **2018:** Conference on 'Frontier Research in Astrophysics III'. Held in Mondello (Pa,Italy). Invited Review: Atmospheres of Exoplanets.

Research Monographs

Claudi R., 2016, Direct imaging of Faint Companions, in Methods of Detecting Exoplanets, Astrophysics and Space Science Library, Volume 428, p. 183, Springer

Teaching Activities:

2002-2003 – Professor – Astronomia, Corso di Laurea in Scienze Naturali, Università di Pd
2003-2004 – Professor – Integral Field Spectroscopy, Master in Optics, Università di Pd
2012-2013 – Professor – Geografia Fisica e elementi di Astronomia – Corso di Laurea (1° Livello) Scienze Geologiche
2005-2011 + 2013 – 2014 – Professor – Planetologia Extrasolare, Astrophysics PhD, Università di Roma (Sapienza)
2006-2011 – Professor – Planetologia Extrasolare, Astronomy PhD, Università di Padova.
2015-2017 – Professor – Asteroseismology, Astrophysics PhD, Università di Padova
2016- today – Professor – Fisica dei pianeti del Sistema Solare ed Esopianeti – Corso di Laurea in Fisica (Laurea Magistrale) – Università Roma Tre, Roma