

# Enrico Congiu

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Nationality: Italian

## Areas of Specialization

Astrophysics • Star-forming galaxies, H II regions, Interstellar Medium, Active Galactic Nuclei.

## Career

### CURRENT POSITION

2022 – ESO FELLOW, European Southern Observatory

### PAST APPOINTMENTS

2020 – 2022 CATA/DAS POSTDOCTORAL FELLOW, Departamento de Astronomía - Universidad de Chile  
2019 – 2020 MAGELLAN TELESCOPE OPERATOR, Las Campanas Observatory – Carnegie Institution for Science  
2018 – 2019 STUDENT FELLOW, Las Campanas Observatory – Carnegie Institution for Science

### LONG TERM VISITS AND OTHER AFFILIATIONS

2019 ASSOCIATE, Istituto Nazionale di Astrofisica (INAF) – Osservatorio Astronomico di Brera  
2017 VISITING PhD STUDENT, University of California, Santa Barbara (June 2017 - August 2017)  
2016 – 2018 ASSOCIATE PhD STUDENT, Istituto Nazionale di Astrofisica (INAF) – Osservatorio Astronomico di Brera

## Publications

Author of 45 refereed publications (of which 4 as first author and 1 first submitted first author paper) and 8 non refereed publications. 954 total citations and h-index 19, according to the NASA ADS system. A complete list of publications can be found [here](#).

## Education and Background

### EDUCATION

2019 PH.D. IN ASTRONOMY, Università di Padova.  
• Title: “The physics of the extended narrow-line region in active galactic nuclei.”  
• Thesis defense: March 5th, 2019.  
2015 MSc IN ASTRONOMY, Università di Padova.  
2013 BSc IN ASTRONOMY, Università di Padova.

## LANGUAGE SKILLS

NATIVE LANGUAGE: Italian  
OTHER LANGUAGES: English, Spanish

## PROGRAMMING SKILLS

OS: Linux, MacOS, Windows  
PROGRAMMING LANGUAGES: Python, IDL (basic), MATLAB (basic)  
DATA REDUCTION: IRAF, CASA, AIPS (basic)

## Teaching Experience

2021 – Co-advisor Ph.D. student (Mr. Pratyush Anshul, Mrs. Amrita Singh).  
2021 Advisor for the “Trabajo Tutorial Basico” at Universidad de Chile (Mr. M. G. Moreno).  
2018 Co-advisor of a bachelor thesis (Mr. A. Zamboni).  
2017-2018 Tutor activity for “Il Cielo come Laboratorio”, Università di Padova.  
2016-2017 Tutor activity for BSc degree in Astronomy (50 hours) , Università di Padova.  
2014-2015 Tutor activity for BSc degree in Scienze e Tecnologie per l’Ambiente (90 hours) , Università di Padova.

## Service Activity

2022 – present APEX CNTAC member.  
2021 – present Reviewer for the journal “Advances in Space Research”.  
2021 – present Reviewer for proposals submitted to the “Agencia Estatal de Investigación” (AEI).  
2021 – present Review editor for the journal “Frontiers in Astronomy and Space Science”, section Extragalactic Astronomy.  
2019 – present Reviewer for the journal “Frontiers in Astronomy and Space Science”.  
2018 LOC memeber of the conference “Revisiting narrow-line Seyfert 1 galaxies and their place in the Universe” Padova, Italy, April 10th-13th.  
2017 LOC memeber of the conference “Congresso Società Astronomica Italiana (SAIt)” Padova, Italy, September 12th-15th.  
2017 LOC memeber of the conference “Quasars at all Cosmic Epochs” Padova, Italy, April 2nd-7th.

## Observing experience

2021 1 nights as designated visitor at the La Campanas observatory (P.I. Vito).  
Instrument used: IMACS  
2021 3 nights as designated visitor at the La Silla observatory (P.I. Berton).  
Instrument used: EFOSC2  
2019-2020 56 nights as a Magellan Telescope Operator at the Las Campanas Observatory. Early stop due to COVID-19 pandemic.  
2018-2020 47 nights at the Las Campanas Observatory divided between the du Pont telescope and the Magellan telescopes. Part of the Magellan telescopes nights were carried out during the monthly engineering runs.  
Instruments used: DirectCCD and WFCCD at DuPont, LDSS3, MIKE, MagE, FourStar and IMACS at the Magellan telescopes.  
2018 10 nights at the La Silla Observatory as an observer for the ePESSTO collaboration.  
Instruments used: EFOSC2 and SOFI at NTT.  
2018 Remote observer training with the Green Bank radio telescope.  
2014-2018 60 nights at the Asiago Astrophysical Observatory.  
Instruments used: AFOSC at the 1.82m Copernico telescope, the Boller&Chivens Spectrograph at the 1.22m Galileo telescope, the Direct Camera at the 67/92 Schmidt telescope.

## Schools and Conferences

### CONFERENCES

- 2022 “LVM Early Science Workshop”, Germany, October 24th–27th  
Presented contribution: Talk
- 2022 “Physics and Chemistry of Star Formation The Dynamical ISM Across Time and Spatial Scales”, Chile, September 26th–30th  
Presented contribution: Poster
- 2022 “Joint Observatories Kavli Science Forum in Chile”, Chile, April 25th–29th  
Presented contribution: Talk
- 2021 “Virtual Annual Meeting of the German Astronomical Society”, Germany, September 13th–17th.  
Presented contribution: Talk
- 2021 “SDSS-IV/V Collaboration Meeting” John Hopkins University (online), USA, August 10th–12th, 16th–18th.  
Presented contribution: Talk
- 2018 “Revisiting narrow-line Seyfert 1 galaxies and their place in the Universe” Padova, Italy, April 10th–13th.  
Presented contribution: Talk
- 2017 “Quasars at all Cosmic Epochs” Padova, Italy, April 2nd–7th.  
Presented contribution: Poster
- 2016 “International Heraeus Teacher Training Seminars: Astronomy from Four Perspectives IV. Origins of stars and planets” Firenze, Italy, August 23th–30th.  
Presented contribution: Talk
- 2014 “International Heraeus Teacher Training Seminars: Astronomy from Four Perspectives II. Space, Time and Gravitation, The case of Active Galactic Nuclei.” Padova, Italy, September 1st–6th.  
Presented contribution: Talk

### SEMINARS

- 2022 “Classification of ionized nebula in the PHANGS-MUSE sample: a Bayesian approach”, ARI-Heidelberg University, October 20th.
- 2021 “Classification of ionized nebula in the PHANGS-MUSE sample: a Bayesian approach”, Ringberg seminar series (online), June 22nd.
- 2021 “Classification of ionized nebula in the PHANGS-MUSE sample.”, Universidad de Chile, Santiago, Chile, March 21st.
- 2020 “The strange case of Mrk 783.”, Aalto University Metsähovi Radio Observatory (online), Finland, November 21st.
- 2020 “Pc-scale radio jet in the NLS1 Mrk 783”, AGN Club meeting (online), Chile, May 15th.
- 2019 “The Extended Narrow-line Region in Nearby AGN”, Universidad de Chile, Santiago, Chile, March 21st.
- 2019 “Physics at high angular resolution with PHANGS”, Università di Padova, Padova, Italy, February 28th.

### PHD SCHOOLS

- 2018 “GBT Remote Observer Training Workshop”, 24 – 25 May, Green Bank, USA.
- 2018 “Green Bank Observatory Single Dish Training School”, 19 – 23 May, Green Bank, USA.
- 2017 “ERIS2017 European Radio Interferometry School”, 16 – 20 October, Dwingeloo, The Netherlands.
- 2016 “Cargese School 2016 on Astrophysical Jets” May 23nd - June 1st, Cargese, France.  
Presented contribution: Poster
- 2016 “ESO/OPTICON School on the Use and Data Reduction of X-SHOOTER and KMOS” May 9th - 13th, Garching, Germany.

## Research collaborations

2021 – present	Sloan Digital Sky Survey V (SDSS): Local Volume Mapper science team.
2018 – present	Physics at High Angular resolution in Nearby Galaxies (PHANGS).
2017	NOT Unbiased Transient Survey (NUTS) collaboration.
2017 – 2021	extended-Public ESO Spectroscopic Survey for Transient Objects (ePESSTO) collaboration - SNe IIn/Ibn and ILOTs group.
2017 – 2020	Cherekov Telescope Array (CTA) collaboration.

## Grants

2019	3x5 Awards, Carnegie Institution for Science, USD 5000. P.Is.: G. Blanc, F. Di Mille, E. Congiu.
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## Principal Investigator accepted proposals

2022	Instrument/Telescope: MUSE@VLT Title: “Unveiling the fountain: the MUSE view on the Sculptor.” Time: 9.5 hrs
2021	Instrument/Telescope: MUSE@VLT Title: “Unveiling the fountain: the MUSE view on the Sculptor.” Time: 51.6 hrs
2018	Instrument/Telescope: DOLORES@TNG Title: “Is Mrk 783 an interacting galaxy?” Time: 1 hr
2018	Instrument/Telescope: VLBA Title: “Young jet and old radio emission: Mrk 783, a puzzling NLS1” Time: 3.0 hrs
2017	Instrument/Telescope: e-MERLIN Title: “High resolution imaging of the kiloparsec scale emission in Mrk 783” Time: 13.2 hrs
2016	Instrument/Telescope: DOLORES@TNG Title: “The very low state of the FSRQ 3C 345” Time: 1 hr