Evangelia Tremou, Ph.D.

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Scientific Interests

- My research focuses on the physics of compact objects and radio transients with radio observations from large radio interferometers. I am interested in deep radio surveys that allow us to explore the time-variable radio sky (explosions, collisions, disruption events) and constrain the rates and the physical mechanisms that drive these events. I am also involved in execution of surveys with next generation telescopes (SKA precursors) such as MeerKAT and NenuFAR and I am particularly interested in advanced radio calibration and imaging techniques.

Employment History

2022 - today • **Assistant Scientist.** NRAO, Socorro, USA
2020 – 2022 • **Research Associate/PSL fellow.** Paris Observatory, Meudon, France
2017 – 2019 • **Research Associate.** CEA-Saclay and Université Paris VII (Labex UnivEarthS), Gif-Sur-Yvette, France
2015 – 2017 • **Research Associate.** Michigan State University MI, USA
2012 – 2014 • **Research Associate.** Yonsei University Observatory, Seoul, S.Korea

Education

2008 – 2011 • **Ph.D Physics, University of Cologne, Germany**
Thesis title: *Spectroscopic studies on AGNs and High angular resolution in the NIR: The construction of an imaging beam combiner for the LBT*

2002 – 2007 • **B.Sc. Physics, Aristotle University Thessaloniki**
Thesis title: *HII regions detection in Local Group Census*

Skills

Languages • Greek (native), English (professional working proficiency), German (elementary proficiency), French (beginner).
Astronomical Tools • Virtual Observatory (VO) tools, AIPS, Difmap, CASA, DDFacet, WSClean, AOFlagger, GILDAS, SCHED, HEASoft (Swift/XRT tools), IRAF, SExtractor.
Programming • Python, R language, IDL language for Visualization, Fortran, PHP, HTML, CSS, C-shell, AWK.
Databases • MySQL, PostgreSQL, SQLite.
Graphics & Documents • LaTeX , Microsoft Office, Matplotlib, Mathematica, Matlab.

Experience

- **Radio observations and data analysis**. Continuum data of MeerKAT, NenuFAR, Very Large Array (VLA), Australia Telescope Compact Array (ATCA), Korean VLBI Network (KVN), VERA (VLBI Exploration of Radio Astrometry), IRAM 30m, Effelsberg Radio telescope 100 meters.
- **Optical observations and data analysis**. Photometry and spectroscopy with Southern Astrophysical Research Telescope (SOAR 4.1m), 1.2m telescope Kryonerion Astronomical Station of the National Observatory of Athens, ESO 1m Schmidt telescope, 24-inch telescope MSU Campus Observatory, and several smaller scopes.
- **Infrared instrumentation**. LINC-NIRVANA - Near infrared imaging instrument for the Large Binocular Telescope (see PhD thesis for details).

Publications

- Updated publication list at: NASA ADS GoogleScolar ORCID