

## Eleni Vardoulaki - Curriculum Vitae

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- Contact Information **Argelander-Institut für Astronomie**,  
University of Bonn, Auf dem Hügel 71, 53121, Bonn, Germany  
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*LinkedIn:* <https://www.linkedin.com/in/eleni-varoulaki>  
*websites:* [astro.uni-bonn.de/~eleniv/](http://astro.uni-bonn.de/~eleniv/), [www.youtube.com/c/RogueAstrophysics](http://www.youtube.com/c/RogueAstrophysics),  
Radio GOALS, Astronomy on Tap Bonn
- Research Interests Multi-wavelength studies of extragalactic radio sources; active galactic nuclei (AGN); quasars; radio structures; (U)LIRGs; IR/radio relation; local and high-redshift Universe; galaxy evolution; pattern recognition techniques  
Observational Astrophysics with focus on study of galaxy evolution, in the optical, infrared, radio and X-ray wavelengths, at low- and high-redshift Universe. Study of active galactic nuclei (AGN), starburst galaxies, their role in galaxy evolution and comparison of their energetics and their role in galaxy evolution. Black holes. Ultra-Luminous Infrared Galaxies (U-LIRGs). Study of infrared/radio relation in galaxies in the local Universe and at high redshifts. Study of the structure of galaxies with automatic methods, pattern recognition techniques and machine learning.
- Education **University of Oxford**, Oxford, UK  
DPhil., Astrophysics, 2003-2009  
  - Thesis Title: Understanding the nature of the faint radio-source population
  - Advisor: Prof Steve Rawlings
  - Thesis Examiners: Prof Katherine Blundell & Prof Philip Best**University of Ioannina**, Ioannina, Greece  
BSc, Physics, 1998-2002  
  - Distinction - **Rank: 2nd in class**
  - Grade - 7.66/10
  - Major: Astrophysics (2 semesters)
  - Thesis title: Seyfert galaxies, Active Galactic nuclei and comparison to Normal galaxies' (using IRAS data)
  - Thesis advisor: Prof. Vassiliki Tsikoudi
- Professional Experience **Argelander-Institut für Astronomie**, University of Bonn, Germany  
*Postdoctoral Researcher:* Member of the international COSMOS collaboration and of the international collaboration EMU & group leader EMU Development 1 Project and of EMU Radio Galaxy Zoo. Study of AGN at radio wavelengths. Study of the infrared/radio relation in galaxies in the local and high-redshift Universe (in the COSMOS field) in relation to environment. Galaxy morphology in the optical (e.g. galfit) and radio wavelengths (e.g. PyBDSF), as well as algorithms that automatically identify structures (pattern recognition) and use of machine learning techniques. Student supervision at undergraduate, masters and PhD levels. Founder and manager of Astronomy on Tap Bonn and of [Rogue Astrophysics](#).  
**October 2015 to present**

**University of Crete**, Heraklion, Crete, Greece

*Postdoctoral Researcher: Radio continuum properties of (Ultra)-Luminous Infrared Galaxies*

**February 2012 to June 2015**

**California Institute of Technology (Caltech)**, Pasadena, CA, USA

*visiting Postdoctoral Researcher at the Infrared Processing and Analysis Center (IPAC)*

**May 2015**

**California Institute of Technology (Caltech)**, Pasadena, CA, USA

*visiting Postdoctoral Researcher at the Infrared Processing and Analysis Center (IPAC)*

**March-April 2013**

**Centro de Astrofisica da Universidade do Porto**, Porto, Portugal

*Research Fellow: Astrophysics of Active Galactic Nuclei*

**September 2010 to December 2011**

- Research on the stellar properties of the hosts of high-redshift active galactic nuclei

#### **Observing experience**

- August 2006: WHT telescope, La Palma, Canary Islands, Spain (3 nights of observing - optical spectroscopy)
- September 2005: McDonald observatory, Texas, USA (10 nights of observing and self-operating the telescope - optical spectroscopy)
- February 2005: UKIRT telescope, Hawaii, USA (6 nights of observing - near-infrared imaging)

#### **Computing and data reduction**

- Operating systems: Linux/Mac/Windows. Programming languages: Python, IDL, C, and Perl., Office applications and HTML.
- Experience in analysis of astronomical data using packages IRAF, AIPS, CASA, IDL and Python.
- Galaxy morphology in the optical (e.g. galfit) and radio wavelengths (e.g. PyBDSF).
- Data reduction and analysis in radio continuum surveys (VLA), in the optical (William Herschel Telescope, 2.7m McDonald Obs., HST) and in the infrared (UKIRT, Spitzer /IRAC/MIPS, Herschel)
- Use of machine learning algorithms for pattern recognition in astronomical imaging (e.g. SIANN, scikitlearn, tensorflow); Matlab

#### **Student supervision**

- October-November 2018: Student supervision for the Astroseminar at the University of Bonn of the masters student, Luis Aipu: presentation of a recent publication from the archive. Publication: A catalogue of faint local radio AGN and the properties of their host galaxies, Lofthouse et al., 2018

- April 2018 - May 2018: Student supervision for the Astroseminar at the University of Bonn of the masters student, Aswin Manohar: presentation of a recent publication from the archive. Publication: SHINING, A Survey of Far Infrared Lines in Nearby Galaxies. II: Line-Deficit Models, AGN impact, [CII]-SFR Scaling Relations, and Mass-Metallicity Relation in (U)LIRGS, Herrera-Camus et al., 2018
- November 2016-January 2017: Student supervision for the Astroseminar at the University of Bonn of the masters student, Thanh Dat Hoang: presentation of a recent publication from the archive. Publication: The Radio Spectral Energy Distribution and Star Formation Rate Calibration in Galaxies, Tabatabaei et al., 2016
- April 2016- May 2017: Co-supervision of masters thesis in astrophysics at the University of Bonn. Research topic: 1) Radio spectral index maps of radio AGN in the COSMOS field between 1.4 and 3 GHz, and 2) data reduction from archival GMRT observations in the COSMOS field at 330 MHz, "Multi-Frequency Radio Observations of the COSMOS Field", Vishnu Balakrishnan, Bonn, 2017
- April 2015-March 2016: Co-supervision of masters thesis at the University of Bonn. Research topic: 1) Galaxy morphology in the COSMOS field; comparison of optical and radio structures, Nils Linz, Bonn, 2017
- October 2015-now: Co-supervision of PhD thesis in astrophysics at the University of Bonn. Research topic: 1) Size of star-forming galaxies in the radio in the COSMOS field, 2) study of a sub-mm galaxy at redshift above 4 with data in the optical, infrared, radio and ALMA, 3) code developing for semi-automatic pattern recognition of galaxies with complex radio structure in the COSMOS field, Eric Faustino Jimenez Andrade, Bonn, 2019
- October 2015-now: Co-supervision of PhD thesis in astrophysics at the University of Bonn. Research topic: 1) radio recombination lines in luminous infrared galaxies at low redshift, 2) developing of pipeline for optimising archival use of ALMA data (for the German ARC Node), Toma Badescu, Bonn 2018
- October 2015-April 2016: Co-supervision of masters thesis in astrophysics at the University of Bonn with title "The Evolution of the FIR/Radio Correlation in the COSMOS Field", Christos Karoumpis, Bonn, 2016
- December 2015-April 2016: Co-supervision of undergraduate thesis in astrophysics at the University of Bonn with title "Struktureigenschaften ferner Galaxien in der Karl G. Jansky VLA COSMOS Durchmusterung", Bianca Monika Hilger, Bonn, 2016

#### **Internal examiner**

February 2011: Principal investigator in master thesis defence, University of Porto

#### **Public outreach**

- Founder and manager of "Astronomy on Tap University of Bonn" (founded September 2018)
- Public outreach talk at the University of Bonn, for the astroclub@AIfA, with title 'Women in Science' (December 2018)
- Public outreach talk at the University of Bonn, for the astroclub@AIfA, with title 'Journey to the unexpected: Research in Astrophysics and how it improves our everyday lives' (June 2018)

- Founder and manager of the youtube channel [Rogue Astrophysics](#) and producer of public outreach videos about astrophysics (science writer, producer, and advertiser on youtube, facebook, instagram, linkedIn), which was founded in October 2017
- Science Writer for an online Greek newspaper, [a8inea](#) (since October 2018)
- Science Writer of science articles for the general public about astrophysics, physics and technology for the [scinews.eu](#) (since September 2017)
- Interview at the journal [VICE](#) (December 2017)
- Interview at the youtube channel [SciTalksGR](#) του youtube (December 2017)
- Interview on local TV channel regarding the solar eclipse of 2015
- Complete study on the correct placement of a sundial in the city of Heraklion, Crete
- Public talk for the 100 years of University of Porto (Winter 2011)
- Public outreach for Oxford University, University of Porto and for the E-ELT (Summer 2010)
- Author of article on Dark Matter, for a popular science portuguese newspaper
- Telescope demonstrating for [MacDonald Observatory](#) (September 2005)

Publications in  
international journals

1. A closer look at the deep radio sky: Multi-component radio sources at 3-GHz VLA-COSMOS, (**Vardoulaki, E.**, Jiménez Andrade, E. F., Karim, A., Novak, M., Leslie, S. K., Smolčić, V., Schinnerer, E., Sargent, M. T., Bondi, M., Zamorani, G., Magnelli, B., Bertoldi, F., Herrera Ruiz, N., Mooley, K. P., Tisanić, K., Delhaize, J., Myers, S. T., Marchesi, S., Koekemoer, A. M., Gozaliasl, G., Middleberg, E., Ciliegi, P.), 2018, *A&A*, submitted
2. The VLA-COSMOS 3 GHz Large Project: Average radio spectral energy distribution of highly star-forming galaxies, (K. Tisanić, V. Smolčić, J. Delhaize, M. Novak, H. Intema, I. Delvecchio, E. Schinnerer, G. Zamorani, M. Bondi, and **E. Vardoulaki**), 2018, *A&A*, submitted
3. Chandra centres for COSMOS X-ray galaxy groups: Differences in stellar properties between central dominant and offset brightest group galaxies, Ghassem Gozaliasl, Alexis Finoguenov, Masayuki Tanaka, Klaus Dolag, Francesco Montanari, Charles C Kirkpatrick **Eleni Vardoulaki**, Habib G Khosroshahi, Mara Salvato et al.), 2018, *MNRAS*, in press
4. The VLA-COSMOS 3 GHz Large Project: Star formation properties and radio luminosity functions of AGN with moderate-to-high radiative luminosities out to  $z \sim 6$ , (L. Ceraj, V. Smolčić, I. Delvecchio, M. Novak, G. Zamorani, J. Delhaize, E. Schinnerer, **E. Vardoulaki**, and N. Herrera Ruiz), 2018, *A&A*, arXiv:1811.02966
5. The linear radio size evolution of  $\mu\text{Jy}$  populations, (M. Bondi, G. Zamorani, P. Ciliegi, V. Smolčić, E. Schinnerer, I. Delvecchio, Jimenez-Andrade, E. F., Liu, D., Lang, P., Magnelli, B., E.J. Murphy, **E. Vardoulaki**), 2018, *A&A*, 618L, 8

6. Probing star formation and ISM properties using galaxy disk inclination II: Testing typical FUV attenuation corrections out to  $z \sim 0.7$ : Leslie, S. K., Schinnerer, E., Groves, B., Sargent, M. T., Zamorani, G., Lang, P., **Vardoulaki, E.**, 2018, *A&A*, 616A, 157
  
7. The infrared-radio correlation of spheroid- and disc-dominated star-forming galaxies to  $z \sim 1.5$  in the COSMOS field: Molnár, Dániel Cs, Sargent, Mark T., Delhaize, Jacinta, Delvecchio, Ivan, Smolčić, Vernesa, Novak, Mladen, Schinnerer, Eva, Zamorani, Giovanni, Bondi, Marco, Herrera-Ruiz, Noelia, Murphy, Eric J., **Vardoulaki, Eleni**, Karim, Alexander, Leslie, Sarah, Magnelli, Benjamin, Carollo, C. Marcella, Middelberg, Enno, 2018, *MNRAS*, 475, 827
  
8. The VLA-COSMOS 3 GHz Large Project: Cosmic evolution of radio AGN and implications for radio-mode feedback since  $z \sim 5$ : Smolčić, V., Novak, M., Delvecchio, I., Ceraj, L., Bondi, M., Delhaize, J., Marchesi, S., Murphy, E., Schinnerer, E., **Vardoulaki, E.**, Zamorani, G., 2017, *A&A*, 602A, 6
  
9. The VLA-COSMOS 3 GHz Large Project: Multiwavelength counterparts and the composition of radio sources, (Smolčić, V., Zamorani, G., Delvecchio, I., Baran, N., Novak, M., Delhaize, J., Schinnerer, E., Berta, S., Bondi, M., Ciliegi, P., Capak, P., Civano, F., Karim, A., Le Fevre, O., Ilbert, O., Laigle, C., Marchesi, S., McCracken, H. J., Tasca, L., Salvato, M., and **Vardoulaki, E.**), 2016, *A&A*, 602A, 2
  
10. The VLA-COSMOS 3 GHz Large Project: Continuum data and source catalog release, (Smolčić, V.; Novak, M.; Bondi, M.; Ciliegi, P.; Mooley, K. P.; Schinnerer, E.; Zamorani, G.; Navarette, F.; Bourke, S.; Karim, A.; **Vardoulaki, E.**, et al.), 2016, *A&A*, in 602A, 1
  
11. Radio continuum properties of luminous infrared galaxies. Identifying the presence of an AGN in the radio, (**Vardoulaki, E.**; Charmandaris, V.; Murphy, E. J.; Diaz-Santos, T.; Armus, L.; Evans, A.; Mazzarella, J. M.; Privon, G. C.; Stierwalt, S.; Barcos-Munoz, L.), 2015, *A&A*, 574, 4
  
12. Black-hole masses, accretion rates and hot- and cold-mode accretion in radio galaxies at  $z \sim 1$ , (Fernandes, C. A. C.; Jarvis, M. J.; Martinez-Sansigre, A.; Rawlings, S.; Afonso, J.; Hardcastle, M. J.; Lacy, M.; Stevens, J. A.; **Vardoulaki, E.**), 2015, *MNRAS*, 447, 1184
  
13. Evidence for a maximum jet efficiency for the most powerful radio galaxies, (Fernandes, C. A. C.; Jarvis, M. J.; Rawlings, S.; Martinez-Sansigre, A.; Hatziminaoglou, E.; Lacy, M.; Page, M. J.; Stevens, J. A.; **Vardoulaki, E.**), 2011, *MNRAS*, 411, 1909
  
14. The TexOx-1000 redshift survey of radio sources I: the TOOT00 region, (**Vardoulaki, Eleni**; Rawlings, Steve; Hill, Gary J.; Mauch, Tom; Inskip, Katherine J.; Riley, Julia; Brand, Kate; Croft, Steve; Willott, Chris J.), 2010, *MNRAS*, 401, 1709
  
15. Radio imaging of the Subaru/XMM-Newton Deep Field - II. The 37 brightest radio sources, (**Vardoulaki, Eleni**; Rawlings, Steve; Simpson, Chris; Bonfield, David G.; Ivison, R. J.; Ibar, Eduardo), 2008, *MNRAS*, 387, 505

16. Accretion indicators for the 37 brightest radio sources in the Subaru/XMM-Newton Deep Field, (**Vardoulaki, E.**; Rawlings, S.; Simpson, C.), 2007, NCimB, 122, 1029
17. The First Swift X-Ray Flash: The Faint Afterglow of XRF 050215B, (Levan, A. J.; Osborne, J. P.; Tanvir, N. R.; Page, K. L.; Rol, E.; Zhang, B.; Goad, M. R.; O'Brien, P. T.; Priddey, R. S.; Bersier, D.; Burrows, D. N.; Chapman, R.; Fruchter, A. S.; Giommi, P.; Gehrels, N.; Hughes, M. A.; Pak, S.; Simpson, C.; Tagliaferri, G.; **Vardoulaki, E.**), 2006, ApJ, 648, 1132
18. GRB 050215B: candidate afterglow, (Tanvir, N.; Pak, S.; Priddey, R.; Hughes, M.; Rol, E.; Levan, A.; O'Brien, P.; Simpson, C.; **Vardoulaki, E.**; Carroll, T.), 2005, GCN, 3031, 1

Publications in  
conferences  
proceedings with  
referees

1. FR-type radio sources in COSMOS: relation of radio structure to size, accretion modes and large-scale environment: (**Vardoulaki, Eleni**; Jimenez Andrade, Eric F.; Delvecchio, Ivan; Karim, Alexander; Smolčić, Vernesa; Magnelli, Benjamin; Bertoldi, Frank; Schinnener, Eva; Sargent, Mark; Finoguenov, Alexis; VLA COSMOS Team), 2018, AAS Meeting 231, id.304.03
2. The Radio Continuum Properties of Luminous Infrared Galaxies, (**Vardoulaki, E.**; Charmandaris, V.; Armus, L.; Murphy, E. J.; Diaz-Santos, T.; Evans, A.), The 11th Hellenic Astronomical Conference, held 8-12 September, 2013 in Athens, Greece. Online at <http://www.hellas.gr/conf/2013/>, pp.29-29
3. Radio Continuum Properties of Luminous IR Galaxies, (Charmandaris, Vassilis; **Vardoulaki, E.**; Armus, L.; Murphy, E. J.; Diaz Santos, T.; Evans, A. S.; GOALS Team), American Astronomical Society, AAS Meeting 221, id.157.04
4. Stellar luminosities and radio structures of radio sources, (**Vardoulaki, E.**), 10th Hellenic Astronomical Conference, Proceedings of the conference held at Ioannina, Greece, 5-8 September 2011. Edited by Iossif Papadakis and Anastasios Anastasiadis., pp.20-20
5. Probing accretion activity in radio sources using 24 micron Spitzer data, (**Vardoulaki, Eleni**; Rawlings, Steve; Simpson, Chris), Conference proceedings of "Galaxy Evolution with Spitzer and Herschel", Crete, May 2006
6. The TOOT00 redshift survey of radio sources, (**Vardoulaki, E.**; Rawlings, S.; Hill, G. J.; Croft, S.; Brand, K.; Riley, J.; Willott, C.), 2006, AN, 327, 282

Working papers

1. FR-type radio sources at 3-GHz VLA-COSMOS: Relation to physical properties and large-scale environment, (**Vardoulaki, Eleni**; Jimenez Andrade, Eric F.; Delvecchio, Ivan; Karim, Alexander; Smolčić, Vernesa; Magnelli, Benjamin; Bertoldi, Frank; Schinnener, Eva; Sargent, Mark; Finoguenov, Alexis; and the COSMOS Team)

2. The ASKAP-EMU Early Science Radio Continuum Survey of the Small Magellanic Cloud (T. D. Joseph, M. D. Filipovic, E. L. Alexander, G. F. Wong, E. J. Crawford, I. Bojicic, H. Leverenz, R. P. Norris, & the ASKAP ESP Magellanic Clouds Team, incl. **E. Vardoulaki**)
3. Auto-mining ALMA Archive in the COSMOS field (A3COSMOS): I. Photometry, Simulation, Galaxy Counterpart Association and Spectral Energy Distribution, (D. Liu et al. & A<sup>3</sup> – COSMOS)
4. Revealing the stellar mass and dust distributions of distant SMGs at  $z \sim 2$  (Lang et al. & A<sup>3</sup> – COSMOS)
5. How do galaxies grow? Probing the radio continuum size evolution of Main-Sequence and starburst galaxies in the COSMOS field up to  $z = 2$ , Jiménez-Andrade, E. F. et al.)
6. X-ray/radio coincidence in FR-type radio sources in COSMOS, (**Vardoulaki, E.**; Gozaliasl, G.; Finoguenov, A.; and the COSMOS Team)
7. FR-type radio sources in X-ray groups within COSMOS: relation to BGGs and large-scale environment, (**Vardoulaki, E.**; Gozaliasl, G.; Finoguenov, A.; and the COSMOS Team)
8. The COSMOS 'eye': multi-wavelength analysis of the polar-ring galaxy in COSMOS (**Vardoulaki, E.**; and the COSMOS Team)
9. Dissecting the IR/radio relation in the local Universe: environmental scope, (**Vardoulaki, E.**; Karim, A.; Magnelli, B.; Sargent, M.; Smolčić, V.; Schinnerer, E. et al.)
10. Dissecting the IR/radio relation in the COSMOS field: environmental scope, (**Vardoulaki, E.**; Karim, A.; Magnelli, B.; Sargent, M.; Smolčić, V.; Schinnerer, E. et al.)
11. Peculiar radio sources in the COSMOS field: multi-wavelength analysis and radio spectral indices, **Vardoulaki, E.**; and the COSMOS Team)
12. Lyman continuum photon escape from FRI/FRII type radio AGN in the COSMOS field, (**Vardoulaki, E.**; Papaderos, P.; Gomes, J. M. et al.)
13. Spatial variations in the mid-IR/radio correlation in Luminous Infrared Galaxies, (**Vardoulaki, E.**; Charmandaris, V.; Murphy, E. J.; Diaz-Santos, T.; Armus, L., Appleton, P.; and the GOALS Team)
14. The stellar luminosities and radio structures of radio sources, (**Vardoulaki, E.**; Rawlings, S.; Mauch, T.; Hill, G. J.; Simpson, C.)

Student supervision & Teaching Experience	<p><b>Argelander-Institut für Astronomie</b>, Bonn, Germany</p> <p><i>Student supervision</i></p> <ul style="list-style-type: none"> <li>• Undergraduate, Master and PhD level</li> </ul> <p><b>Trinity College</b>, Oxford, UK</p> <p><i>Non-Stipendiary Lecturer in Astrophysics and Atmospheric Physics</i></p> <ul style="list-style-type: none"> <li>• Tutoring 4th year students</li> </ul> <p><b>University College</b>, Oxford, UK</p> <p><i>Non-Stipendiary Lecturer in Astrophysics and Atmospheric Physics</i></p> <ul style="list-style-type: none"> <li>• Tutoring 4th year students</li> </ul> <p><b>The Queen's College</b>, Oxford, UK</p> <p><i>Non-Stipendiary Lecturer in Astrophysics and Atmospheric Physics</i></p> <ul style="list-style-type: none"> <li>• Tutoring of 4th year students</li> </ul>	<p><b>October 2015-present</b></p> <p><b>2009</b></p> <p><b>2009</b></p> <p><b>2006</b></p>
Conference Presentations, Seminars and Schools International Conferences	<p>COSMOS meeting, Contribution: talk <i>Copenhagen, Denmark</i></p> <p>RMS COSMOS meeting, Contribution: talk <i>Bologna, Italy</i></p> <p>EWASS 2018, Contribution: talk <i>Liverpool, UK</i></p> <p>231st Meeting of the American Astronomical Society, Contribution: talk <i>Washington DC, USA</i></p> <p>Diffuse Synchrotron Emission in Clusters of Galaxies - What's Next?, Contribution: talk <i>Leiden, Netherlands</i></p> <p>COSMOS meeting, Contribution: talk <i>Kyoto, Japan</i></p> <p>Escape of Lyman radiation from galactic labyrinths, Contribution: talk <i>Chania, Crete, Greece</i></p>	<p><b>June 2018</b></p> <p><b>May 2018</b></p> <p><b>April 2018</b></p> <p><b>January 2018</b></p> <p><b>October 2017</b></p> <p><b>July 2017</b></p> <p><b>April 2016</b></p>



JVLA COSMOS meeting, <i>Zagreb, Croatia</i>	<b>February 2015</b>
The 12th Hellenic Astronomical Conference, Contribution: talk <i>Thessaloniki, Greece</i>	<b>June 2015</b>
EWASS 2015, Contribution: talk <i>Tenerife, Spain</i>	<b>June 2015</b>
Gas, Dust, and Star-Formation in Galaxies from the Local to Far Universe, Contribution: poster <i>Chania, Crete, Greece</i>	<b>May 2015</b>
Multiwavelength-Surveys: Galaxy Formation and Evolution from the early universe to today, Contribution: poster <i>Dubrovnik, Croatia</i>	<b>May 2014</b>
The 11th Hellenic Astronomical Conference, Contribution: poster <i>Athens, Greece</i>	<b>September 2013</b>
A panchromatic view of galaxy evolution 30 years after IRAS, Contribution: talk <i>Cyprus</i>	<b>June 2013</b>
The Modern Radio Universe 2013, Contribution: poster <i>Bonn, Germany</i>	<b>April 2013</b>
Infrared and Submillimeter Probes of Gas in Galaxies: From the Milky Way to the Distant Universe, Contribution: poster <i>Pasadena, USA</i>	<b>March 2013</b>
221st Meeting of the American Astronomical Society, Contribution: poster <i>Long Beach, USA</i>	<b>January 2013</b>
The 10th Hellenic Astronomical Conference, Contribution: poster <i>Ioannina, Greece</i>	<b>September 2011</b>
Challenges in Infrared Extragalactic Astrophysics II, Contribution: poster <i>Agios Nikolaos, Greece</i>	<b>September 2010</b>
A century of Cosmology, Contribution: poster <i>Venice, Italy</i>	<b>August 2007</b>

The discovery of the Anisotropy of the Fossil Radiation of the Universe, by George F. Smoot,  
Nobel Prize of Physics 2006  
*Paris, France* **December 2006**

AstroGrid Science Workshope and RadioNet/Astro Grid workshop for radio data providers,  
*Oxford, UK* **December 2006**

Studying Galaxy Evolution with Spitzer and Herschel,  
*Agios Nikolaos, Greece* **May 2006**

Cosmology, galaxy formation and astro-particle physics on the pathway to the SKA,  
*Oxford, UK* **April 2006**

High Redshift Radio Galaxies,  
Contribution: talk  
*Granada, Spain* **April 2005**

Conference on Lasers and their applications, FORTH  
*Heraklion, Greece* **June 2001**

Seminars given in  
English

Seminar at the National Observatory of Athens,  
*Athens, Greece* **December 2018**

Seminar at University of Crete  
*Heraklion, Greece* **June 2017**

Seminar at the National Observatory of Athens,  
*Athens, Greece* **June 2017**

Seminar at the Max Planck Institute for Radio Astronomy,  
*Bonn, Germany* **May 2017**

Seminar at the National Observatory of Athens,  
*Athens, Greece* **December 2016**

Seminar at the Max Planck Institute for Radio Astronomy,  
*Bonn, Germany* **December 2016**

Seminar at the Max Planck Institute for Radio Astronomy,  
*Bonn, Germany* **April 2016**

Seminar at University of Crete  
*Heraklion, Greece* **March 2012**

Seminar at the National Observatory of Athens,  
*Athens, Greece* **April 2011**

Seminar at CAUP <i>Porto, Portugal</i>	<b>April 2011</b>
Public outreach talk for the 150 years of University of Porto, <i>Porto, Portugal</i>	<b>March 2011</b>
Seminar at Princeton University, <i>New Jersey, USA</i>	<b>September 2010</b>
Seminar at University of Oxford, <i>Oxford, UK</i>	<b>March 2010</b>
Seminar at University of Cardiff, <i>Cardiff, UK</i>	<b>December 2007</b>
Seminar at University of Oxford, <i>Oxford, UK</i>	<b>April 2005</b>
Seminar at University of Oxford, <i>Oxford, UK</i>	<b>May 2004</b>
Participations in seminars and schools	
Seminar "Astronomical Instruments: How they work, how they are planned, build and tested" (with certificate), IMPRS, Max Planck Institute for Radio Astronomy, <i>Bonn, Germany</i>	<b>January 2018</b>
Online seminars on 'Machine Learning' (with certificate), Andrew Ng, Stanford University, <i>courseera</i>	<b>March 2017</b>
Seminar "What is machine learning? Supervised Learning - regression, support vector machines, neural networks, Unsupervised Learning - clustering, principal component analysis, dimensionality reduction, Tools - Monte Carlo Markov chains and Bayesian inference" (with certificate), IMPRS, Max Planck Institute for Radio Astronomy, <i>Bonn, Germany</i>	<b>February 2017</b>
Seminar with title 'Managing RD Projects' (with certificate), Dr. Cristine Issa, University of Cologne, <i>Cologne, Germany</i>	<b>October 2016</b>
Seminar with title 'Time- and Self-Mangement' (with certificate), Dr. Carrie B. Dohe, University of Cologne <i>Cologne, Germany</i>	<b>October 2016</b>
Seminar with title 'Professional Presentations at Conferences and in the Academic World' (with certificate), Dr Carrie B. Dohe, University of Cologne <i>Cologne, Germany</i>	<b>June 2016</b>

Seminar with title 'Self-Marketing for Female Scientists' (with certificate), Dr Cristine Issa,  
University of Cologne  
*Cologne, Germany* **April 2016**

Ninth Synthesis Imaging Summer School,  
*New Mexico, USA* **June 2004**

Summer School on Physics, University of Crete  
*Heraklion, Greece* **June 2002**

#### Awards

##### **General Secretariat for Research and Technology, Greece**

Post-Doctoral Research position supported by the Action "Supporting Postdoctoral Researchers" of the Operational Program "Education and Lifelong Learning" (Action's Beneficiary: General Secretariat for Research and Technology), and co-financed by the European Social Fund (ESF) and the Greek State, 2012-2015

##### **Centro de Astrofisica da Universidade do Porto (CAUP), Portugal**

Post-Doctoral Fellowship awarded by CAUP, 2010

##### **St. Peter's College, Oxford, UK**

Three travel grants awarded by St. Peter's College during DPhil studies

##### **State Scholarships Foundation IKY, Greece**

Award by the Greek scholarship foundation IKY for achieving 1st rank during the 3rd year of undergraduate studies, 2001

Award by the Greek scholarship foundation IKY for achieving 1st rank during the 1st year of undergraduate studies, 1999

#### Languages

- Greek: Native speaker
- English: Fluent & Proficiency from Cambridge University
- Portuguese: Basic
- French: Basic
- German: Basic

#### Affiliations

*Member* of the international collaboration EMU since 2018

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