

CURRICULUM VITAE

PADELIS PAPADOPOULOS

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DATE OF BIRTH: 20 November 1966
BIRTHPLACE: Athens, Greece
NATIONALITY: Greek, Canadian

EDUCATION: 5/98 Ph.D. Astrophysics, University of Toronto
9/91 M. Sc. Theoretical Physics, University of Toronto,
(Canadian Institute for Theoretical Astrophysics, CITA)
6/90 B.S. Physics, University of Athens

ACADEMIC EXPERIENCE AND POSTS HELD:

8/1992–8/1997: Graduate School Teaching Assistant, Physics Department,
University of Toronto
8/1992–8/1997: Public Lecturer, David Dunlap Observatory,
University of Toronto
8/2005–8/2007: Graduate School lecturer, Federal Institute of Technology
(ETH) Zurich, (Switzerland)
2/1994-01/1995: California Institute of Technology (USA),
Owens Valley Radio Observatory (OVRO) observing team
9/1998–11/2000: Research Fellow, Leiden Observatory, (The Netherlands)
3/2001–04/2003: Research staff, European Space Agency (ESA/ESTEC),
Astrophysics Division
02/2003-03/2003: Visiting research scientist, European Space Agency
04/2004-10/2007: Senior Research Fellow, Federal Institute of Technology
(ETH) Zurich, Switzerland
12/2007-11/2010: Research staff, Argelander Institute, University of Bonn,
Bonn, Germany
12/2010-12/2011: Research staff, Max Planck Institute for Radioastronomy
(MPIfR), Bonn, Germany
01/2013-12/2017: Ernest Rutherford Fellow, University of Cardiff, UK
01/2012-09/2017: Visiting scientist, European Southern Observatory (ESO),
Headquarters, Garching, Munich, Germany
09/2017-present: Associate Professor of Physics, University of Thessaloniki,
09/2013-present: Visiting Professor, Academy of Athens (RCAA), Greece
(<http://astro.academyofathens.gr/personnel.html>)
09/2019-present: Honorary Senior Research Fellow, School of Physics and
Astronomy, University of Cardiff, Wales, UK

FELLOWSHIPS
AND HONORS:

- 1990-91 Student award from the Greek government, in cooperation with the Canadian Consulate
- 1990-91 Open Fellowship, University of Toronto
- 1991-93 Two Doctoral Fellowships, University of Toronto
- 1993-94 Reinhart Fellowship, University of Toronto
- 1994-95 Ontario Graduate Scholarship (OGS), Government of Ontario
- 1995-96 Ontario Graduate Scholarship (OGS), Government of Ontario
- 1998-00 Research Fellowship, Leiden Observatory
- 2001-02 Research Fellowship, European Space Agency (ESA)
Astrophysics Division
- 2002-04 Marie Curie Fellow, University College London, UK
- 04/2004 Associated Scientist, Computational Applications Group (CAG)
National Center for Science and Research DEMOKRITOS
- 2012-17 Ernest Rutherford Fellow, UK Government
- 2017 Elected as Associate Professor of Physics at the University of Thessaloniki
- 2019 Appointed as Honorary Senior Research Fellow, School of Physics and Astronomy, University of Cardiff, Wales, UK
- 2020 Visiting Professor, University of Cambridge, Kavli Institute (<https://www.kicc.cam.ac.uk/directory/dr-padelis-papadopoulos>)

PROFESSIONAL
SOCIETY:

- 2005– ELASET (Greek Astronomical Society)

OTHER PROFESSIONAL

EXPERIENCE: **National Radio Observatory (NRAO)**, Kitt Peak Observatories, Arizona
Operations team: 12-Meter Radio Telescope (4 expeditions: 1994-1996)
NRAO Very Large Array (VLA): Plains of St Augustin, New Mexico (USA)
<https://science.nrao.edu/facilities/vla>, (3 expeditions)
California Institute of Technology: operation team, Owens Valley Radio Observatory (1993-1995).
Plateau de Bure Interferometer, French Alps: (2 observing runs, 2000)
NANTEN-2 Radio Telescope: Pampa La Bola, Atacama desert, North Chile (Advanced Radio Receivers tests and commissioning, 2010)
Nobeyama Radio Observatory (NRO):, 45-meter Telescope, Nagano Japan (2000, 2004), <https://www.nro.nao.ac.jp/nro45mrt/html/index-e.html>
James Clerk Maxwell Telescope (JCMT):, Mauna Kea Observatories, Hawaii (20+ expeditions, 1993-2004, Receiver W/D commissioning Team Leader)
Australia Compact Array (ATCA):, Narrabri, Australia (5 expeditions)
<https://www.narrabri.atnf.csiro.au/>
Herschel Space Observatory (ESA facility): 106 operation hours
<https://sci.esa.int/web/herschel>,
<https://ui.adsabs.harvard.edu/abs/2014ApJ...788..153P/>

Atacama Pathfinder Experiment (APEX):, Llano Chajnantor, Atacama desert, Chile (<http://www.apex-telescope.org/>) member of European Southern

Observatory (ESO) Operations Team (2016)
Atacama Lareg Millimetre Array (ALMA/ESO):, Llano Chajnantor,
Atacama desert, Chile (4 observing runs), <https://www.almaobservatory.org>

MAIN RESEARCH

INTERESTS:

- Astrochemistry
- Cosmic ray acceleration in supernova
- Galaxy evolution numerical models (theory)
- Radiation Physics: Photon and Cosmic-ray dominated places in Space
- Radio receivers: characterization and testing
- Spaceborne projects: Herschel Space Observatory
(Principal Investigator of project 1055 (2010):
<https://ui.adsabs.harvard.edu/abs/2010hers.prop.1055P/>)

RESEARCH ACTIVITIES AND INTERESTS:

First author in 30+ refereed publications in Astrophysics, two in the prestigious journal Nature:
<https://www.nature.com/articles/35051029>
<https://www.nature.com/articles/s41586-018-0196-x>
please see: <https://ui.adsabs.harvard.edu/classic-form/>, under Papadopoulos, P. for complete list of scientific work online.

OTHER ACTIVITIES: SCUBA and free diving, public lectures about
Astrophysics in schools in Canada, Hawaii, and Greece

FINAL STATEMENT: I currently work again in Theoretical Physics (General Relativity and Differential Geometry). My rather wide Physics background, furthered by extensive experience with very high-technology equipment like that operating at front-line ground-based and Spaceborne Observatories allows me an informed view of the potential future and promise of new scientific ideas.