

Current position:

Research Director, Acting Director at the

Research Center for Astronomy and Applied Mathematics, Academy of Athens

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Education:

- **1991 Ph.D. in Astronomy.** Department of Physics, University of Athens¹
Thesis: *Self-Consistent Models of Normal Spiral Galaxies*
Advisor: Prof. George Contopoulos
Graduated with honors
- **1985 "Ptychion" (B.S.) in Mathematics.** Department of Mathematics, University of Athens
- **1979 High school. Varvakeios Model School.** Graduated with honors

Research interests - Research Fields:

- Galactic Dynamics, Morphology of Disk galaxies, Stellar Dynamics, Hydrodynamics of galactic disks, Observations of galaxies in the optical and in the near-infrared, Hamiltonian Dynamics, Nonlinear Phenomena, Chaos Theory.

Employment History:

• 2017	Laboratoire d'Astrophysique de Marseille (LAM) Visiting Professor (1 month stay)
• 2014	Excellence Cluster Universe, Munich, GERMANY Visiting Scientist (1 month stay)
• 2012	European Southern Observatory, Garching bei München, GERMANY Visiting Scientist (1 month stay)
• 2009 - today	Research Center for Astronomy, Academy of Athens, GREECE Research Director, Acting Director
• 2008	<ul style="list-style-type: none"> • University Louis Pasteur, Strasbourg, FRANCE, Visiting Professor (1 month stay) • European Southern Observatory, Garching bei München, GERMANY, Visiting Scientist (2 months stay) • Southwest Research Institute, Boulder CO, USA, Fulbright fellow (3 months stay)

¹ A major part of the Thesis has been worked out at the **European Southern Observatory (ESO)**, at Garching bei München, Germany, under the supervision of Dr. P. Grosbøl

• 2006-2009	R	Research Center for Astronomy, Academy of Athens, GREECE, Research Director
• 2001-2006		Research Center for Astronomy, Academy of Athens, GREECE, Senior Researcher
• 2002		Max Planck Institut für Astronomie, Heidelberg, GERMANY, Scientific guest (1 month stay)
• 2000-2002		Research Center for Astronomy, Academy of Athens, GREECE EU/GSRT reintegration grant P.I in the project: "Theoretical Study of Galaxies"
• 1999-2000		Max Planck Institut für Astronomie, Heidelberg, GERMANY Researcher at BAT IIa position (public employee)
• 1998		Astronomisches Rechen-Institut, Heidelberg, GERMANY Researcher at BAT IIa position (public employee)
• 1995-1998		Max Planck Institut für Astronomie, Heidelberg, GERMANY, Postdoctoral fellow
• 1994-1995		Observatoire de Marseille, Marseille, FRANCE Visiting Astronomer, CNRS fellow
• 1992-1994		European Southern Observatory (ESO), Garching bei München, GERMANY Postdoctoral ESO fellow
• 1990-1991	Greek Ar	Fulfilled part of his service as "Specialized Scientist" at the Research Center of National Defence in projects on remote sensing
• 1989-1990		European Southern Observatory (ESO), Garching bei München, GERMANY Postgraduate PhD Student, Supervisor: P. Grosbøl
• 1986-1991		Department of Astronomy, University of Athens Postgraduate PhD Student.
• 1980-1992		Managed private business ("P. Patsis & Co. Wholesale", Athens)

Other short time invited visits for collaboration:

Observatoire de Marseille, Marseille, FRANCE, (2000-2002), Collaboration with Dr. E. Athanassoula, University Louis Pasteur, Strasbourg, FRANCE, (2003-2005), Collaboration with Dr. Ch. Boily, Ludwig Maximilians University Munich, University Observatory, GERMANY (2004-2009), Collaboration with Prof. A. Burkert, European Southern Observatory (ESO), Garching bei München, GERMANY, 2004-2011, Collaboration with Dr. P. Grosbøl, Kapteyn Astronomical Institute, Groningen, THE NETHERLANDS, (2005), Collaboration with Dr. Ph. Heraudeau Institute for Astronomy, University of Vienna, AUSTRIA, (2006), Collaboration with Dr. Ch. Theis, University of Stockholm, SWEDEN, (2013), Collaboration with Dr. K. Fathi, University of Oulu, FINLAND, (2015), Collaboration with Dr. E. Laurikainen and Prof. H. Salo, Instituto Nacional de Astrofísica, Óptica y Electrónica (INAOE), MEXICO, (2017-2018), Collaboration with Dr. I. Puerari.

Supervision and Teaching:

- **Postdocs:** J. Alikakos, C. Kalapotharakos, S. Kitsionas, A. Tsatsi
- **PhD Theses:** **Main Supervisor:** University of Athens, L. Tsigaridi (2014), M. Katsanikas (2012); Instituto Nacional de Astrofisica, Optica y Electronica, Puebla, Mexico, Chavez-Velasquez, L. (2019) (together with Dr. I Puerari), University of Florida, Gainesville, FL, USA, V. Boonyasait (2003) (co-supervisor).
- **Masters Theses:** **Supervisor:** Section of Astronomy, Astrophysics, Mechanics, University of Athens, A. Desylas (2027), S. Pastras (2022), M. Chrysafeli (2016), K. Dima (2016), S. Chatzopoulos (2010), L. Tsigaridi (2008), M. Katsanikas (2005).
- **Courses:** 2009, 2010, 2011: Taught the postgraduate course "Nonlinear Dynamics" for Master's Degree students at the Section of Astronomy, Astrophysics, Mechanics, University of Athens
- 2012, 2014 → 2019: Participated in the teaching of "Galactic and Extragalactic Astronomy" for Master's Degree students at the Section of Astronomy, Astrophysics, Mechanics, University of Athens
- 2004, 2009, 2014: Taught in Summer Schools organized by the Society of Astronomy and Space, Volos, Greece

Committees:

- Member of the Organization Committee of the IAU commission H1, "Local Universe"
- Member of the Management Committee, of the European Regional Office of Astronomy for Development (E-ROAD) of the European Astronomical Society (EAS)
- Member of the Scientific Committee of the Complex Systems and Applications Network, (COSA-Net), NCSR "Demokritos".
- Member of the Time Allocation Committee of the NOA Aristarchos Telescope
- **Habilitation Thesis:** University Louis Pasteur, Strasbourg, FRANCE, Ch. Boily (2004)
- **PhD Theses:** University Louis Pasteur, Strasbourg, FRANCE, N. Faber (2008), University of Athens, GREECE, I. Stavropoulos (2010), University of Thessaloniki, GREECE, E. Legnaro (2023)
- **Masters - Diploma Theses:** University of Heidelberg, GERMANY, T. Naab (1998)
- **Committees for new positions and promotions:** Academy of Athens 20, National Observatory of Athens 2, University of Thessaloniki 4, University of Patras 2, International University of Greece - Civil Engineering department 1, University of Athens 1.

Conferences, Workshops, Seminars:

- Participation in more than 75 international meetings, 36 invited talks in conferences and seminars, SOC in 10, main organizer of 6 conferences, organizer of two series of seminars (1995–2000 MPIA, Heidelberg; 2009– today, Research Center for Astronomy, Academy of Athens).

Publications:

- Totally: 132. 71 in refereed journals, 61 in conference proceedings (11 refereed, 17 invited), more than 2479 known citations (h-index 29. For details see <https://scholar.google.com/citations?user=qj2-o2UAAAAJ&hl=en>)
- Co-editor in 3 Volumes of conference proceedings, 1 Notes collection of conference talks, editor of 4 issues of the journal "Hipparchos" of the Hellenic Astronomical Society (2016–2019), editor of 6 volumes of the annual journal of the Research Center for Astronomy and Applied Mathematics of the Academy of Athens "New Astronomical Discoveries" (in Greek).

Observational Projects:

- Participation in 13 observational projects (P.I. In 3) with the telescopes: 2.2m ESO

La Silla, Chile, 2.2m Calar-Alto, Spain, 1.5m Tenerife, Spain, 2.3m Aristarchos Telescope, Greece

Grants, Fellowships, Awards:

1988 ERASMUS/IKY
1989 European Doctoral Astrophysics Network
1989 ESO PhD-studentship
1992-1994 ESO fellowship
1994 European Union's Project: Human Capital and Mobility
1994-1995 CNRS fellowship
1995-1998 Max-Planck Gesellschaft postdoctoral fellowship
2000-2001 European Union's Grant for Greek-Speaking Researchers working abroad (operated by the Greek Ministry of Research and Technology)
2000 CSC- "Professional Paper Honorarium - Honorable Mention" for the paper "Resonances and the Morphology of Spirals in N-body Simulations" by P.A. Patsis and D.E. Kaufmann (1999)
2004, 2007 DAAD/IKY fellowships
2008 Fulbright fellowship
2008, 2012 ESO visitor
2014 Excellence Cluster "Universe", Munich

Professional Memberships:

- International Astronomical Union (IAU) (Organizing Committee of H1 Commission - Local Universe)
- European Astronomical Society (EAS) (Management Committee, of the European Regional Office of Astronomy for Development - E-ROAD)
- Hellenic Astronomical Society, (Hel.A.S) (vice-president 2016-2019)
- Greek Mathematical Society
- Greek Physicist Association

Reviewer for:

Astronomy and Astrophysics, Astrophysical Journal, Celestial Mechanics and Dynamical Astronomy, International Journal of Bifurcation and Chaos, Monthly Notices of the Royal Astronomical Society, New Astronomy, International Journal of Nonlinear Sciences and Numerical Simulation, Galaxies, Universe

Languages:

Greek (native), English (perfect knowledge), German (perfect knowledge)