

# BRIEF CVs OF THE CANDIDATES FOR THE 2014-2016 GOVERNING COUNCIL AND AUDITORS OF HEL.A.S.

(based solely on information provided by the candidates –April 1, 2014)

## CANDIDATE FOR PRESIDENT

### Vlahos Loukas

Professor, Department of Physics, Aristotle University of Thessaloniki, Greece. He was born in Levadia, Greece on the 22nd of April, 1949. He received his B.Sc. in Physics from the University of Thessaloniki (1973), his M.Sc. in Astrophysics from the University of Maryland, U.S.A. (1976) and his Ph.D. in Astrophysics-Space physics from the same University in 1979. He has worked as a Postdoctoral Fellow in APL, U.S.A., as Research Professor University of Maryland, U.S.A. and as Assistant Professor and Associate Professor at the University of Thessaloniki. His research interests are in Non Linear processes in High Energy Astrophysics, Solar and Space Physics and Plasma Physics and he has published 100 scientific papers in refereed journals and more than 40 papers in special volumes / books. He has published two textbooks (“*Introduction to plasma Physics*” and “*Differential Multivariable Calculus*” both in Greek) and he has been the co-editor in three volumes the series Lecture notes in Physics, “*Galactic Dynamics and N-Body Simulations*”, “*Solar and Heliospheric Plasma Physics*”, “*Basic Processes in Turbulent Plasmas*” He is a member of the European Physics Society (E.P.S.) and of the Hellenic Astronomical Society (Hel.A.S.). He is married to Maria Kallery and they have two daughters.



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## CANDIDATES FOR GOVERNING COUNCIL

### **Bonanos Alceste**

Associate researcher, Institute of Astronomy, Astrophysics, Space Applications and Remote Sensing, National Observatory of Athens, Greece (since 2009). Dr. Bonanos graduated *magna cum laude* from Wellesley College (USA) in 2000 with a B.A. in Physics and Astronomy. She obtained her M.A. and Ph.D. degrees in Astronomy from Harvard University (USA) in 2002 and 2005, respectively. She was a Vera Rubin Fellow at the Carnegie Institution of Washington (USA) from 2005-2008, and a Giacomoni Fellow at the Space Telescope Science Institute (USA) from 2008-2009. In September 2009, she started working as an assistant research astronomer at the National Observatory of Athens (Greece) and since February 2013 is working as an associated researcher. The goal of her research is to understand the evolution of very massive stars, probe the upper limit on the mass of stars and calibrate the extragalactic distance scale by determining accurate distances to Local Group galaxies. She has 34 publications in refereed journals (as of April 2014). Her research has been funded by a Marie Curie International Reintegration Grant of the European Union European Research Council (2009-2013), the John S. Latsis Public Benefit Foundation (2011) and currently by the «Aristeia I» program of the General Secretariat of Research and Technology (2012-2015). Her work has received coverage by the press (e.g. Time Magazine, CNN, New Scientist). She has supervised 3 masters students in their theses, and one postdoctoral researcher, has given over 10 invited talks at conferences, universities and research institutes in Europe, the U.S. and Chile. She is currently supervising 2 PhD students and one postdoctoral researcher. In 2011, she was awarded the Greek L'Oreal-UNESCO prize For Women in Science.



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### **Georgoulis Manolis**

As of 2009, Researcher at the Research Center for Astronomy and Applied Mathematics (RCAAM) of the Academy of Athens. Senior Researcher at RCAAM as of 2012. Greek National Delegate to the Science Programme Committee of the European Space Agency (ESA/SPC; 2011 – present), Vice-President of the European Solar Physics Division of the European Physical Society (ESPD/EPS; 2011 – 2014), appointed Member of the Greek National Committee for Astronomy (GNCA; 2012 – present), Marie Curie Fellow of the European Commission (2010 – 2014), and Working Group Leader in the ISEST-MiniMax24 Program of the VarSITI (Variability of the Sun and its Terrestrial Impact) consortium (2014 - 2018). B.Sc. (Physics) from the Aristotle University of Thessaloniki (1993). Ph.D. (solar plasma physics) from the same institution (2000). PostDoctoral Research Associate at the Johns Hopkins



University Applied Physics Laboratory (JHU/APL) in Laurel, MD, USA (2000 – 2003). Thereafter, Senior Professional Staff Physicist at the same institution (2003 – 2009). Elected Board Member, ESPD/EPS (2008 – 2011). Honored with a Certificate of Appreciation for Outstanding NASA mission proposal efforts (JHU/APL, 2008), a Special Achievement Award (JHU/APL, 2007), an ERASMUS Scholarship of the European Astrophysical Doctoral Network (EADN; 1996 – 1997), and a Ph.D. Scholarship of the Greek National Foundation of Scholarships (IKY; 1996 – 2000). Participated in the Science Team of three NASA and two ESA space missions, including a Deputy Project Scientist position in the Solar Probe Plus (SPP) mission (2008 – 2009), currently built at JHU/APL. Principal Investigator in five research projects awarded by NASA, one project awarded by the US National Science Foundation (NSF), one project of the European Commission, one project of ESA/SSA and one project of the Research Committee of the Academy of Athens. Co-Investigator or Collaborator in at least twelve research projects funded by the above sponsors and the Hellenic Ministry of Education. Currently, science team member of the the ASPIICS coronagraph onboard ESA's PROBA-3 mission and of the Lyot+ coronagraph mission proposed to the French Space Agency (CNES). Member of HEL.A.S. (1995); American Geophysical Union (AGU; 2001); Solar Physics Division of the American Astronomical Society (AAS/SPD; 2003); European Solar Physics Division of the European Physical Society (ESPD/EPS; 2008); European Physical Society (EPS; 2009), and International Astronomical Union (IAU; 2012). From 2009 to 2012, Member of the annual Popular Writing Awards Committee of the AAS/SPD. In 2013, Member of the International Jury of the European Commission Odysseus Contest, featuring a pan-European school-project contest in Astronomy, Astrophysics, and Space Physics. More than 100 participations in international meetings, with at least 28 solicited talks and reviews. Invited lectures and seminars in US, European, Japanese, and Chinese Institutions. Regular referee in most international journals hosting solar-physics papers. Invited External Examiner in two Ph.D. Theses (Trinity College Dublin, Ireland; and Observatoire de Paris-Meudon, France) and Member of the Examiners' Committee in two Ph.D. Theses (University of Athens, Greece). Panelist in one NSF and two NASA proposal evaluation panels. Author or co-author in 50 refereed papers and 27 papers in conference proceedings and special volumes, with more than 1240 citations and an H-index=21 (Source: NASA/ADS). Also, Guest Editor in two (2) refereed Solar Physics volumes entitled "Advances in European Solar Physics" (Springer, 2013).

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### **Kazantzidis Stelios**

Assistant Professor, Department of Physics, University of Athens, Greece (appointment will start in September of 2014). He got his B.Sc. in Physics from the University of Athens, Greece (1999), his M.Sc. in Computational Cosmology from the University of Durham, United Kingdom (2001) and his Ph.D. in Theoretical Astrophysics from the University of Zurich (2005). He has been a postdoctoral fellow at the Kavli Institute of Cosmological Physics (KICP), Univ. of Chicago, U.S.A. (2005-2006), a postdoctoral fellow at the Kavli Institute of Particle Astrophysics and Cosmology (KIPAC), Stanford University, U.S.A. (2006-2008), and a Senior postdoctoral fellow at the Center for Cosmology & Astro-Particle Physics (CCAPP) at the Ohio State University (since 2008). His scientific interests include theoretical astrophysics and cosmology, galaxy formation and evolution, high-performance supercomputing, and galactic dynamics/ hydrodynamics. He has published 40 scientific papers in refereed journals and 25 in conference proceedings and special volumes. He is a member of the International Astronomical Union (IAU) and of the Hellenic Astronomical Society (Hel.A.S.).

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### **Pablo Reig**

Principal Researcher, Institute of Electronic Structure and Laser (IESL, Skinakas observatory) at the Foundation for Research & Technology-Hellas (FORTH). He was born in Valencia (Spain) in 1968. He received his B.Sc. in Physics from the University of Valencia (1991) and his Ph.D. in Astrophysics from the same University (1996). His PhD dissertation was awarded with the “Premio Extraordinario de Doctorado” prize by the University of Valencia and the “European Doctorate” certificate. He worked as a Postdoctoral Researcher in the Physics Department, Southampton University (1996-1998) and the IESL/FORTH (1998-2002). He obtained a “Ramón y Cajal” tenure track fellowship in the University of Valencia (2002-2004). He joined the Astronomy group in IESL/FORTH in 2004, where he serves



up to present. His scientific interests include Observational Astronomy (Infrared, Optical and X-rays), High-Energy Astrophysics (X-ray binaries) and Radiative Transfer (Comptonization in black hole binaries). He has published more than 80 scientific papers in refereed journals. He has lectured Physics & Astronomy undergraduate courses in the Universities of Valencia, Southampton and Crete. He has been a member of the SOC and/or LOC of several international conferences (2010,2011,2014). Since 2012, he is member of the Management Committee of the COST action “Polarization as a tool to study the Solar System and beyond”.

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### **Tsiganis Kleomenis**

Assistant Professor, Department of Physics, Aristotle University of Thessaloniki, Greece. Born in Larissa, Greece, on January 12, 1974. He obtained his BSc in Physics from the University of Thessaloniki (AUTH) in 1996, as well as his PhD in Astrophysics in 2002, having received an IKY fellowship (1998-2002). He then moved to the Observatoire de la Cote d'Azur (OCA-CNRS), France, where he worked as "Marie Curie" post-doctoral fellow (2003-2005). He was appointed Lecturer at the Department of Physics of AUTH in 2006. Since then, he has also worked as Visiting Scientist at OCA (France, 2011) and the Southwest Research Institute at Boulder (USA, 2011). His scientific interests include Solar system dynamics, celestial mechanics, formation and evolution of planetary systems, and nonlinear dynamics. He has published 37 refereed papers and 4 review papers, receiving more than 1200 citations (ADS, May 2012). He is a member of the Hellenic Astronomical Society (Hel.A.S.) since 1997 and Auditor of the Society since 2007. In 2009 the IAU Small Body Nomenclature Committee renamed asteroid 1996RC221 to "(21775) Tsiganis", in recognition of his scientific contribution.



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**Xilouris Manolis**

Senior Researcher, Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing, National Observatory of Athens, Greece (since 2003). He was born in Heraklion, Crete, Greece, on the 10<sup>th</sup> of February, 1970. He received his B.Sc. in Physics from the University of Crete, Greece (1992) and his Ph.D. in Astrophysics from the University of Athens (1999). He was a Post-Doctoral Researcher at the Commissariat a l'Energie Atomique (CEA), Saclay, France (2001-2003). His scientific interests include observational extragalactic astrophysics, optical and infrared observations, radiative transfer modeling, dust properties of nearby galaxies, dust and gas properties of Luminous Infrared Galaxies. He has been a member of the HIFI/Herschel Instrument Control Center (ICC). He has published 69 referred papers in these areas. His research is funded by the John S. Latsis Public Benefit Foundation award (2012), the «Aristeia I» program of the General Secretariat of Research and Technology (2012- 2015) and the FP7-SPACE programme (2014-2017). He is a member of the International Astronomical Union (IAU), and of the Hellenic Astronomical Society (Hel.A.S.).



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## CANDIDATES FOR AUDITORS

### **Apostolatos Theocharis**

Assistant Professor of Theoretical Mechanics at the Department of Physics of the University of Athens (since 2005). He was born in Athens, Greece, on the 24th of May, 1966. He received his B.Sc. in Physics from the University of Athens, Greece and his M.Sc. (1990) and Ph.D. (1994) from the California Institute of Technology, U.S.A. He has worked as a teaching assistant (1989- 1994) and a Assistant (1991-94) at the Department of Physics of the same Institute. He worked as Postdoctoral researcher in Germany, at the Max-Planck Group 'Gravitationstheorie', Friedrich Schiller Universitat Jena (12/1994 – 05/1996) and as Lecturer at the Department of Physics of the University of Athens (1998-2005). His scientific interests include Naked Singularities and Cosmic Censorship, Binary Star Systems and Binary Pulsars, Gravitational Waves and Data Analysis, Pulsating Neutron Stars as Sources of Gravitational Waves, Analytical Expressions for the metric around compact bodies and Relativistic Multiple Moments. He has published 16 papers in refereed scientific journals and 8 papers in the proceedings of scientific meetings. He has co-authored a text book on "Elements of Theoretical Mechanics" (ed.Leader) and translated in Greek K. S. Thorne's book "Black holes and Time Wraps" (ed. Page 3 of 8 Catoptro). He is a Member of the Hellenic Astronomical Society (Hel.A.S.). He is married to Kyriaki Logotheti and they have two sons.

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### **Christopoulou Eleftheria-Panayota**



Assistant Professor, Department of Physics, University of Patras (2012). She was born in Athens, Greece on the 6<sup>th</sup> of May 1967. She got her B.Sc in Physics from the University of Patras, Greece (1988), her M.Sc in Astronomy from the Department of Physics and Astronomy, Victoria University of Manchester, UK (1989-1990) and her Ph.D in Astrophysics from the Department of Physics, University of Patras (1993). She has worked as Honorary research assistant and research associate at the Department of Physics and Astronomy, Victoria University of Manchester, UK, and at the Astronomical Laboratory, University of Patras in the period 1993-2000, as a Lecturer at the Department of Physics, University of Patras (October 2004-2012) and as a teaching academic staff at the Hellenic Open University, School of Science and Technology (2002-2011). Her scientific interests include variability studies of Active Galactic Nuclei (AGN), studies of the interstellar medium (detection and study of supernova remnants and planetary nebulae in the optical) as well as variability studies of binary stars. She is one of the founding members of the Hellenic LYceum Cosmic Observatories Network, (<http://helycon.eap.gr>) at the Hellenic Open University. She has published 21 scientific papers in refereed journals, 2 refereed scientific papers in special volumes/books and 16 papers in conference proceedings. She has co-authored (in Greek) the text book "Astrophysics" (2001) and the "Physics and Special Topics of Modern physics" (hypertext) (2005) commissioned by the Hellenic Open University and the textbook "Introduction to Astronomy and Astrophysics" (2009) (ed. University of Patras). She has translated in Greek "The Myth of Darwinism" R. Milton (1997) and "The Book of Cosmos" Scientific American, David H. Levy (2004). She is a member of the International Astronomical Union (IAU) and of the Hellenic Astronomical Society (Hel.A.S). She has two sons.

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**Patsourakos Spiros**

Assistant Professor, Department of Physics, University of Ioannina, Greece. He was born in Thessaloniki, Greece on May 25th, 1972. He received his B.Sc. in Physics from the Aristotle University of Thessaloniki (1996), and his M.Sc. and Ph.D on Plasma Physics from the University of Paris XI, Orsay, France (1997,2000). He worked as a Postdoctoral Researcher in the Mullard Space Science Laboratory, University College of London, Holmbury St. Mary, UK (2000) and in Naval Research Lab, Washington-DC, USA (2000-2009). Since 2009 he is an Assistant Professor in the Department of Physics, University of Ioannina, Greece. His research interests focus on solar physics (coronal heating and structuring, Coronal Mass Ejections and flares, global coronal waves) and Space Weather (Interplanetary propagation of CMEs and shocks). He is a member of the Hellenic Astronomical Society (Hel.A.S). He is a Co-investigator of the Sun Earth Connection Coronal and Heliospheric Investigation (SECCHI) on-board the NASA Solar Terrestrial Relations Observatory (STEREO) mission and of the proposed Large European Module for solar Ultraviolet Research (LEMUR) for the JAXA Solar-C mission. He is also scientific collaborator of the Association de Satellites Pour l'Imagerie et l'Interferométrie de la Couronne Solaire (ASPIICS) of the planned ESA PROBA III mission.

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