

BRIEF CVS OF THE CANDIDATES FOR THE 2016-2018 GOVERNING COUNCIL AND AUDITORS OF HEL.A.S.

(based on information provided by the candidates – April 1, 2016)

Candidate for President

Apostolos Matschiadis (O)

Professor, Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University of Athens.

He received his B.Sc. in Physics from University of Athens in 1979, his M.Sc. in Astronomy from University of Sussex in 1980 and his Ph.D. in Physics and Astronomy from Boston University in 1985. He has worked as a Postdoctoral Fellow/Research Associate in Max-Planck-Institut for Extraterrestrial Physics (1985-86 and 1987-88), University of Adelaide (1988-90), NASA-Goddard Space Flight Center (NAS-NRC Fellow, 1992-93) and Max-Planck-Institut for Nuclear Physics (1990-92 and 1993-97).

His research interests are in High Energy Astrophysics, with emphasis on Active Galactic Nuclei and Gamma Ray Bursts, and Cosmic Ray Physics. He has published, according to ADS, more than 100 papers in refereed journals and he has contributed about 80 papers to various conference proceedings and special volumes.

He is also the author, along with Prof. N. Vlahakis, of a textbook on High Energy Astrophysics. He is a member of the Hellenic and the European Astronomical Society.

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Candidates for GC

Manolis K. Georgoulis (O)

Researcher at the Research Center for Astronomy and Applied Mathematics (RCAAM) of the Academy of Athens (2009 – present). Senior Researcher as of 2012. In addition, Greek National Delegate at ESA's Science Programme Committee (ESA/SPC; 2011 – present), President of the European Solar Physics Division (ESPD) of the European Physical Society (EPS; 2014 – 2017), Vice President of HEL.A.S. (2014 – 2016), National Delegate team Member for the Committee for Space Research (COSPAR), Project Coordinator / Manager in ESA (A-EFFort) and Horizon 2020 (FLARECAST) projects and SOC member of the VarSITI ISEST/MiniMax24 project.

B.Sc. (Physics) from the Aristotle University of Thessaloniki (1993). Ph.D. (solar plasma physics) from the same institution (2000). Post Doctoral 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).

Honored with a Marie Curie Fellowship from the European Commission (2010 – 2014), Certificate of Appreciation for Outstanding NASA mission proposal efforts (JHU/APL, 2008), Special Achievement Award for innovative analysis techniques (JHU/APL, 2007), ERASMUS Scholarship of the European Astrophysical Doctoral Network (EADN; 1996 – 1997), and Ph.D. Scholarship of the Greek National Foundation of Scholarships (IKY; 1996 – 2000). Principal Investigator in several NASA, ESA, US National Science Foundation (NSF), US Air Force Office of Scientific Research (AFOSR), European Commission and Academy of Athens projects. Co-Investigator in numerous other projects. Science team member of proposed space missions, including PROBA-3 (ESA) and SMART (NASA), among others. Former Deputy Project Scientist for NASA's Solar Probe Plus Mission. 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).

About 150 participations in international meetings, with tens of them solicited. Invited lectures and seminars in US, European, Japanese, and Chinese Institutions. Referee in top international journals hosting solar-physics papers, including Science and Nature. Invited External Examiner in three (3) PhD theses in Ireland, UK, and France and member of the Examiners' Committee in two (2) PhD theses in Greece. Panelist in NASA and NSF proposal-reviewing panels and regular mail-in reviewer for the above organizations and for several European Research Funding organizations.

Research work in solar magnetism, solar activity and space weather, in terms of both understanding and forecasting. Significant press coverage of aspects of this work (New Scientist, Horizon's Magazine and several Greek media). Author or co-author of approximately 60 refereed papers and 28 papers in conference proceedings. Guest Editor in two (2) Solar Physics and one (1) Advances in Space Research special issues. About 1700 citations and an H-index=24 (Source: NASA/ADS) or ~2100 citations and H-index=25 (Google Scholar).

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Panos Patsis (O)

Research Director, Acting Director at the Research Center for Astronomy and Applied Mathematics of the Academy of Athens. He was born in Athens, Greece on the 7th of August 1961. He received his B.Sc. in Mathematics from the University of Athens (1985) and his Ph.D. from the same University (1991), doing his doctoral research at the European Southern Observatory (ESO). He has worked as ESO fellow in Garching, Germany, as CNRS fellow at the Observatory of Marseille, France, as postdoctoral fellow and researcher at the Max-Planck Institute for Astronomy, Heidelberg, Germany and as researcher at the institute ARI of the University of Heidelberg. Since 2001 he works as researcher at the Research Center for Astronomy of the Academy of Athens. His research interests are in Galactic Dynamics, Morphology of Disk Galaxies, Observations in the Near-Infrared, Nonlinear Phenomena and Chaos Theory. He has published 51 scientific papers in refereed journals and more than 60 papers in special volumes and books. He has been co-editor of four volumes of conference proceedings. He is member of the Greek Mathematical Society, of the Greek Physicist Association, of the Hellenic Astronomical Society (Hel.A.S.) and of the International Astronomical Union (IAU).



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Pavlidou Vasiliki (O)

Assistant Professor, Department of Physics, University of Crete, Greece. She got her B.Sc. in Physics from the University of Thessaloniki, Greece (1999), and her PhD in Astronomy from the University of Illinois at Urbana-Champaign (2005). She was a postdoctoral fellow at the Kavli Institute of Cosmological Physics (KICP), Univ. of Chicago, U.S.A. (2005-2008), an Einstein Fellow at Caltech (2008-2011), and a Visiting Researcher at the Max-Planck-Institute for Radio Astronomy, Bonn (2011-2012). Her research interests include high-energy astrophysics and cosmology. She has published more than 70 papers in refereed journals which have received over 4000 citations. She has been a member of the Auger Collaboration, the Fermi Collaboration, the OVRO blazar monitoring program, and the F-GAMMA blazar monitoring program. Since 2012 she is the Management Panel Chair of the RoboPol Collaboration.



She is a member of the International Astronomical Union (IAU), of the European Astronomical Society (EAS) and of the Hellenic Astronomical Society (HelAS).

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Pablo Reig (O)

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 95 scientific papers in refereed journals. He has lectured Physics & Astronomy undergraduate courses in the Universities of Valencia, Southampton and Crete and Master courses for the Valencian International University. He has been a member of the SOC and/or LOC of several international conferences (2010,2011,2014) and a member of the Management Committee of the COST action "Polarization as a tool to study the Solar System and beyond" (2012-2015).



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Nick Stergioulas (O)

Associate Professor, University of Thessaloniki. Nick Stergioulas is known for his contributions to the study of the equilibrium and stability of rotating relativistic stars, of relativistic accretion disks and of strongly-magnetized neutron stars (magnetars). He received his Ph.D. from the University of Wisconsin-Milwaukee, under the supervision of John L. Friedman, in 1996. He was a post-doctoral researcher at the Albert-Einstein-Institute, Potsdam (MPA for Gravitational Physics, 1998-1999) before joining the Department of Physics at the Aristotle University of Thessaloniki as a faculty member.

He has more than 58 publications in refereed journals (out of which 9 letters) and more than 40 contributions to conference proceedings. His research topics include: Compact stars as sources of gravitational waves; Equilibrium and instabilities of rotating relativistic stars; Nonlinear oscillations of relativistic stars; MHD oscillations in relativistic models of magnetized neutron stars; Numerical relativity; Interaction of gravitational waves with plasma; and Relativistic accretion disks. His publications have received more than 2200 citations (excluding self-citations) with an h-index of 33 (NASA-ADS data).



He is author of a highly-cited review article in Living Reviews in Relativity and co-author of a new book, entitled "Rotating Relativistic Stars", in the highly-acclaimed series Cambridge Monographs on Mathematical Physics. He has presented more than 20 invited talks at international conferences and he gave a series of invited lectures at 4 international summer or winter schools for advanced graduate students and post-docs on relativistic astrophysics and numerical relativity. He was P.I. in 7 international or bilateral research grants (including two Marie-Curie post-doctoral fellowships) and participated in more than 10 other research grants. He is representative of Greece in the management committee of the ESF COST project "Exploring Fundamental Physics with Compact Stars" and is participating in the CTA Consortium and in the LOFT proposal for a new ESA X-ray mission.

He has 15 years of experience in supervising and training young researchers, including several international post-doctoral researchers, several Ph.D. students, and a large number of M.Sc. and B.Sc. students. At the Aristotle University of Thessaloniki, Nick Stergioulas is teaching "Astronomy and Astrophysics", "General Relativity", "Numerical Analysis", "Computational Physics", "Programming in C" and "Calculus I". He is the author of the public domain code "rms" for constructing equilibrium models of rotating relativistic stars, which has been used extensively by the community in the last 15 years.

Nick Stergioulas served or currently serves as an elected member in the governing councils of the Hellenic Astronomical Society (2008-2010) and the Hellenic Society for Relativity, Gravitation and Cosmology (2012-2014). Recently, he was elected for a second term on the governing council of the Virgo-Ego Scientific Forum (VESF), which supports the VIRGO gravitational-wave detector.

He is currently an associate editor for the journal "[General Relativity and Gravitation](#)" (Springer) and Secretary of the Hellenic Society for Relativity, Gravitation and Cosmology.

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Manolis Xilouris (O)

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 10th 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 75 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. - served as Traesurer for the term 2014-2016).



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Candidates for Auditors

Kosmas Gazeas (O)

Lecturer, Department of Astrophysics, Astronomy and Mechanics, National and Kapodistrian University of Athens (UOA). Dr. Kosmas Gazeas was born in Kastoria, Greece. He studied Physics at the Aristotelion University of Thessaloniki (AUTH) and he got his MSc and PhD degree in Observational Astrophysics from the National and Kapodistrian University of Athens (UOA).

His post-doctoral research in astrophysics was conducted at Harvard-Smithsonian Center for Astrophysics (CfA), USA, where he worked with images taken from Hubble Space Telescope (NASA). He worked at the European Space Agency - ESA, Netherlands where he specialized in space technology and optics. Since 2012 he act as an ESA scientific consultant in projects related to space optics. Today Dr. Gazeas is a Lecturer of Observational Astrophysics at Physics Department (UOA). His educational and research work is focused in astronomical study of eclipsing binary stars, supernovae, blazars, black holes and other exotic objects in our Universe, while we



works in parallel with asteroseismology, on various space technology topics, applied optics and astronomical instrumentation.

His rich research work is reflected on a large number of research and academic assignments on various astronomical subjects, while his love and passion for public outreach is established through various talks given in schools, universities and other institutes. He is a member of the International Astronomical Union (IAU), and of the Hellenic Astronomical Society (HELAS).

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Spiros Patsourakos (O)

Associate Professor, Department of Physics, University of Ioannina, Greece. He was born in Thessaloniki, Greece. 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 the Naval Research Lab, Washington-DC, USA (2000-2009). Since 2009 he is working in the Department of Physics, University of Ioannina, Greece. His research interests are 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 has 51 refereed papers (source NASA's ADS, March 2016), 4 invited review papers and 9 invited talks. He made 49 announcements in conferences. He is a member of the Hellenic Astronomical Society (Hel.A.S). He is a co-author of two e-books on solar/space physics and observational astrophysics. 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 Heliospheric Imager of the upcoming Solar Orbiter mission. He is also scientific collaborator of the Association de Satellites Pour l'Imagerie et l'Interferometrie de la Couronne Solaire (ASPIICS) of the upcoming PROBA III mission.



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George Voyatzis (O)

Associate professor at the Physics Department of the Aristotle University of Thessaloniki. He was born in Thessaloniki in 1965. He received his Diploma in Physics from the University of Thessaloniki in 1987 and his PhD in 1993 from the same department.

His research interests are Celestial Mechanics and dynamical systems in Physics. He has published about 40 papers in referred journals and about 20 papers in proceedings of international and local meetings.

He is also coauthor in two undergraduate textbooks "Differential equations and applications" and "Introduction to nonlinear dynamical systems". He is an ordinary member of Hel.A.S since its foundation.

He is married with Charoula Meleti and they have two daughters.



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