

Chryssa Kouveliotou Curriculum Vita

BORN: May 26, 1953 in Athens, Greece; CITIZENSHIP: GREEK, USA

EDUCATION:

National University of Athens, 1975
Bachelor's Degree in Physics

University of Sussex, Brighton, England, 1977
Masters of Science Degree in Astrophysics

Technical University of Munich, and Max-Planck Institute of Extraterrestrial
Physics, Munich, Germany 1981
Ph.D. (Thesis Advisor Prof. Dr. K. Pinkau)
Thesis: "Observations of fast transient gamma-ray phenomena"

POSITIONS:

1. Chair, Department of Physics/Columbian College of Arts & Sciences at The George Washington University (GWU, Washington DC), September 2020 – July 1, 2023
2. Astrophysics Professor at GWU, 2015 February 1 –
3. Senior Scientist for High-Energy Astrophysics, NASA/MSFC 01/2013 – 02/2015
4. Astrophysicist with NASA/MSFC, 2004 February 17 – 2015 January 31
5. NASA/HQ, 2005/09/12 – 2006/09/11 (NASA Leadership Development Program)
6. IPA with NASA/MSFC, 2000-2004
7. Director of the Huntsville USRA Astronomy Program, 1998-2000
8. Deputy Director, Institute for Space Physics, Astronomy and Education (ISPAE), 1995 – 2000
9. Associate Research Scientist (USRA)/On-Site Astronomy Program Coordinator, 1993 - 1995
10. Associate Research Scientist (USRA), 1991 -1993
11. Visiting Scientist, NASA/Goddard Space Flight Center - Dates of Employment: 1985-1987
12. Research Scientist with the Solar Physics Group, on SMM data
13. Assistant Professor (tenured), University of Athens, Greece -Dates of Employment: 1982 – 1994; Physics Department, Section of Astrophysics-Astronomy and Mechanics

PROFESSIONAL SOCIETIES & SERVICE IN THEIR COMMITTEES

- a. Fellow, Royal Astronomical Society (RAS)
- b. Member, American Astronomical Society (AAS)
- c. Member of the High Energy Astrophysics Division (HEAD) of the AAS
- d. Member, American Physical Society Division of Astrophysics (DAP)
- e. Member, International Astronomical Union (IAU), Commissions 6, 44 (Astronomical Telegrams & Space & High Energy Astrophysics)
- f. Member, European Astronomical Society (EAS)
- g. Member, Hellenic Astronomical Society (HEL.A.S.)
- h. Fellow, American Association for the Advancement of Science (AAAS)
- i. Fellow, American Physical Society (APS)

1. Member of the HEAD Executive Committee (1994-1996)
2. Elected Vice Chair of the Division of Astrophysics (DAP) of the APS (2001-2002)
3. Chair of the DAP of the APS (2003)
4. Member of the Committee on Astronomy and Astrophysics (CAA) of the National Academy of Sciences (2003-2006)
5. Councilor of the AAS (2007- 2010)
6. Elected HEAD Vice-Chair (2008-2010)
7. HEAD Chair (2010-2012)
8. Elected Vice Chair of COSPAR Commission E (2010-2018)
9. Elected as the USA Liaison for Commission 19 (Astrophysics) of the International Union of Pure and Applied Physics (IUPAP) (2011- 2017)
10. Member, Division Steering Committee (DSC) of IAU Division D (High Energy Phenomena and Fundamental Physics) (2013-)
11. Member of the US National Committee of the IAU (2013- 2023)
12. Elected Vice President of the AAS (2013 - 2016)
13. Elected President of IAU Division D (2015 -2018)
14. Elected Chair of the US National Committee of the IAU (2019 - 2023)

BOARDS and EVALUATION COMMITTEES

15. Member, NASA, High Energy Astrophysics Management Operations Work Group (HEAMOWG, 1993-1995)
16. BeppoSAX representative for the US Guest Investigators (1996)
17. Member, HEASARC Users Group (HUG, 1993-2000)
18. Chair, US INTEGRAL Users Group (2005-2008)
19. Member, ESA INTEGRAL UG (2005-2008)
20. Member, External Board of the DARK Cosmology Center, (2004 – 2009)
21. Member, VERITAS External Advisory Committee (2009 –)
22. Elected in the Board of the American Association of Variable Star Observers (AAVSO) (2011-2014)
23. Member, NASA Standing Review Board for PCOS & COR Programs (2011-)
24. Member, Evaluation Board of the Dutch Space Agency (SRON) (2011)
25. Member, international panel to evaluate Greek research programs (ARISTEIA-I and -II panels) (2012- 2013)
26. Member, international evaluation board of 6 Greek Research Institutes (FORTH-ITE, National Observatory of Athens, Demokritos (3 institutes), Greek National Research Foundation) (2014)
27. Member of the Astrophysics Subcommittee of the NASA Advisory Council/Science Committee (2012 - 2015)
28. Chair of the NASA/Astrophysics Division Roadmap Team (2013)
29. Member, US National Academy of Sciences/Research Associateship Programs Review Panel (2014)
30. Member of the Executive Committee of the NAS/Space Studies Board (SSB) (2015 - 2021)
31. European Research Council (ERC) Expert (2017-2018)
32. Elected, Committee on Council Affairs (CCA) of the AAAS (2017- 2019)
33. Member of the European Commission/Advanced Grants evaluation panel (2017- 2019)
34. Chair, Evaluation Board of the Dutch Space Agency (SRON) (2017)
35. Chair, Red Team for the Lynx X-ray mission (2017)
36. Member, Evaluation Committee of the University of Copenhagen/Niels Bohr Institute (2018)

37. Member, Evaluation Committee of the Institute of High Energy Physics (IHEP) of the Chinese Academy of Sciences (2018)
38. Chair, ERC Advanced Grants Panel, PE9 (2019-2020)
39. Member, Board of Directors of the Association of Universities for Research in Astronomy (AURA) (2019 - 2022)
40. Member, scientific advisory board of IMAPP institute (Institute for Mathematics, Astrophysics and Particle Physics) at Radboud University (2020 -)
41. Member (2020-2023) and Vice Chair, Hellenic Authority of Higher Education (HAHE) of the Greek government (2023 -)
42. Chair, NRL Space Focus Area Review board, (2023)

HONORS AND AWARDS:

1. NASA Group Achievement Award for Discovery of the Bursting Pulsar 1997
2. Fellow of the American Physical Society (2000)
3. Descartes Prize from the European Community, December 2002
4. Rossi Prize from the HEAD of the AAS, January 2003
5. NASA Space Act Award, March 2005
6. Fellow of the American Association for the Advancement of Science (2011)
7. D. Heineman Prize of the AAS and the American Institute of Physics (2012)
8. Listed among Time Magazine's 25 most influential people in space (2012)
9. NASA Exceptional Service Medal (2012)
10. Elected in the US National Academy of Sciences (NAS) (2013)
11. National Space Club/Huntsville Science Award (2013)
12. Honorary Ph.D from the University of Sussex, UK (2014)
13. Honorary Ph.D from the University of Amsterdam, The Netherlands (2015)
14. Received by the Greek Government the award of Commander of the Order of the Honor, for excellence in science (2015)
15. Elected as a foreign member at the Royal Dutch Academy of Sciences (2015)
16. Elected as a corresponding member in the Athens Academy, Greece (2016)
17. Elected at the US Academy of Arts and Sciences (2016)
18. Legacy Fellow, American Astronomical Society (2020)
19. Shaw Prize in Astrophysics shared with V. Kaspi (2021)
20. Ex officio member of the National Academies' U.S. National Committee for the International Astronomical Union (2024)
21. GW Office of the Vice President of Research Distinguished Career Award (2024)

SHORT BIOSKETCH

Dr. Kouveliotou graduated from the Technical University of Munich in 1982 and was hired immediately after at the University of Athens Greece, from where she retired in 1994 to follow a career at NASA's Marshall Space Flight Center in Huntsville, Alabama. She was originally a contractor with NASA, until she became a US citizen (2002) and joined NASA as a civil servant at the highest Government grade (GS 15-10). In 2013 she became a Senior Technologist (ST) of High-Energy Astrophysics (Senior Executive core). In February 2015, Dr. Kouveliotou retired from NASA and joined the George Washington University in Washington DC as a full Professor in Astrophysics. In the fall of 2015, she chartered the GW Astronomy, Physics, and Statistics Institute of Sciences (APSIS; 2015-2017), a multidisciplinary Institute focused on "Multi-wavelength Observations, Statistical Inference, Modeling, and Simulations of High-Energy phenomena in the Universe", encompassing groups from the GW Physics, Statistics, and Mathematics Departments. Since 2015 she built up her team, which now includes two full, three associate and one assistant professors, as well as two research fellows. The enhanced Astro team successfully created an Astrophysics Minor & Major in the GWU Physics Department. Dr. Kouveliotou was Department Chair during 2020-2023; she opted to step down for one year sabbatical returning to full time research.

Dr. Kouveliotou has been the principal investigator of numerous research projects in the U.S. and in Europe, winning over ~\$4.0M. She is a founding member of multiple scientific collaborations worldwide, such as a €1.7M Research Training Network in Europe and the (multi-national) GRACE collaboration on GRB optical follow-ups with the European Southern Observatory. She was the Principal Investigator of a proposed new cosmology mission, Xenia (not selected). She has served in over 20 Ph.D. committees in the USA and internationally. She is an affiliate scientist of the NASA/Swift and of the Fermi/GBM missions, and she is the Science co-chair of Gamow Explorer to be proposed to the next NASA Medium Explorer program.

Dr. Kouveliotou has 486 refereed publications (of which 44 are in Nature and 23 in Science) with a Hirsh-index = 102 (ADS). She has co-edited 3 books; including one about "Gamma-Ray Bursts" (Cambridge University Press) which appeared in December 2012. She is one of the 249 most-cited space science researchers worldwide (having occupied at times the 6th, 8th, and 10th place) with a current total of 48,538 citations and 412,837 reads (ADS; for refereed publications only). [current to February 2024]

Dr. Kouveliotou has served as a referee in most astronomical Journals, a panelist in many Task Allocation Committees, and in several Evaluation Boards, and Ph.D. committees in the USA and internationally; she has mentored 8 postdoctoral fellows and 14 graduate students (6 as supervisor, 2 as co-advisor, and 6 as advisor). In 2013 she was asked by the Astrophysics Subcommittee of the NASA Advisory Council/ Science Committee to chair a task force on the strategic planning and roadmap of NASA's Science Mission Directorate/ Astrophysics Division. Their report "Enduring Quests - Daring Visions (NASA Astrophysics in the Next Three Decades; <http://go.nasa.gov/1gGVkZY>)" was completed in 8 months; it preceded and set the stage for the 2020 Decadal Survey for Astrophysics.