

U.S. National Committee for the International Astronomical Union (IAU)

Committee

Martha P. Haynes

Chair

Distinguished Professor of Arts and Sciences in Astronomy
Department of Astronomy
Cornell University

Daniela Calzetti

Vice Chair

DANIELA CALZETTI is a professor and the head of the Department of Astronomy at the University of Massachusetts Amherst. Her research interests include understanding star formation on the scales of galaxies, using the information provided by a variety of both space-borne (Hubble, Spitzer, Herschel, James Webb, etc.) and ground-based telescopes at wavelengths that range from the ultraviolet to the radio. Prior to joining the University of Massachusetts Amherst, Dr. Calzetti held various positions at the Space Telescope Science Institute, including European Space Agency (ESA) as a fellow, postdoctoral researcher, assistant astronomer, and associate astronomer. She is a member of the National Academy of Sciences, the American Astronomical Society (AAS), and the International Astronomical Union (IAU). In addition, Dr. Calzetti is serving as an editorial board member for *Astronomy of the Proceedings of the National Academy of Sciences*, is a member of the NASEM Space Studies Board (SSB) and a member of the NASA Astrophysics Advisory Committee (APAC). She is a member of the EUCLID Science Consortium and Co-I of the Euclid Science Program: Precision Studies of Galaxy Growth and Cosmology. She received a Ph.D. in astronomy from the University of Rome.

Alice K. Monet

Secretary

U.S. Naval Observatory (ret.)
1312 Camino Amparo NW
Albuquerque, New Mexico

Adam S. Burrows

Member

Adam Burrows is currently a Professor of Astrophysical Sciences at Princeton University. He received his undergraduate degree in Physics from Princeton and his Ph.D. in Physics from the Massachusetts Institute of Technology. His primary research interests are supernova theory, exoplanet and brown dwarf theory, planetary atmospheres, computational astrophysics, and nuclear astrophysics. Well-known as a pioneer in the theory of exoplanets, brown dwarfs, and supernovae, he has written numerous fundamental and influential papers and reviews on these subjects during the last ~35 years. He has collaborated with more than 250 co-authors on more than 400 papers and given more than 400 invited talks and colloquia. He is a member of the National Academy of Sciences (NAS), a Fellow of the American Academy of Arts and Sciences, a Fellow of the American Association for the Advancement of Science, a Fellow of the American Physical Society, the 2010 Beatrice M. Tinsley Centennial Professor, a winner of the Ambartsumian Prize, and a former Alfred P. Sloan Fellow. He was the founding Director of Princeton's Planets and Life Certificate Program, a former member of the Board of Trustees of the Aspen Center for Physics and Fellow of the Princeton Center for Theoretical Science (PCTS). In addition, he is a past Chair of the Board on Physics and Astronomy (BPA) of the National Research Council (NRC) of the National Academy of Sciences; was the BPA Liaison to the 2010 Decadal Survey of Astronomy; and has been a consultant for the American Museum of Natural History in New York. He has served on the Committee on Astronomy and Astrophysics (CAA) of the NRC; on the NRC Rare Isotope Science Assessment Committee; on the Subcommittee on the Implementation of the DOE Long-Range Plan for Nuclear Physics; as the Chair of the Kavli Institute for Theoretical Physics (KITP) Advisory Board; as the co-Chair of NASA's Universe Subcommittee; as the Chair of NASA's Origins Subcommittee; as a co-Chair of NASA's Strategic Roadmapping Committee "Search for Earth-like Planets"; as a co-Chair of NASA's Origins/SEUS Roadmapping committee; and as a primary author of NASA 2003 Origins Roadmap. He is currently on the Physics Policy Committee of the APS, is a member of the U.S. National Committee to the International Astronomical Union (IAU), and has just stepped down from the Executive Committee of the Space Studies Board of the National Research Council of the NAS.

Sarah Gibson

Member

SARAH E. GIBSON, is a senior scientist of the High Altitude Observatory (HAO) at the National Center for Atmospheric Research and former Interim and Deputy Director of HAO. Gibson's research centers on solar drivers of the terrestrial environment, from short-term space weather drivers such as coronal mass ejections (CMEs), to long-term solar cycle variation. Gibson is currently co-chair of the NAS Space Weather Roundtable, and a former co-chair of the Committee on Solar and Space Physics as well as a former member of the steering committee for the 2013 decadal survey in solar and space physics (heliophysics) and had a key role in the creation of the DRIVE (Diversify, Realize, Integrate, Venture, Educate) initiative to develop more fully and employ more effectively the many experimental and theoretical assets at NASA, NSF, and other agencies. Gibson is currently the project scientist for the NASA-Southwest Research Institute mission, "PUNCH" (Polarimeter to Unify the Corona and Heliosphere), a landmark Small Explorers Program mission that will image beyond the Sun's outer corona. Gibson earned a Ph.D. in astrophysics from the University of Colorado Boulder.

Edward F. Guinan

Member

Edward Guinan is a professor of Astrophysics and Planetary Science at Villanova University. He received his PhD from the University of Pennsylvania. During the mid-1970s he established an observatory and astronomy program at the Shiraz University, Iran. From 1982-1992 he held a summer research fellowship at Harvard-Smithsonian. His research interests are stellar astrophysics (eclipsing binaries, stellar pulsation, and stellar & solar XUV magnetic activity). Recently he has focused on the potential habitability of terrestrial-size Habitable Zone exoplanets and on the development of the Villanova Mars Gardens Project, testing growing plants on Mars. His research has been primarily supported by NASA/NSF grants. He received teaching and research awards and was honored as an Inaugural Fellow of the AAS. Guinan also has worked on IAU outreach, education, and development programs in developing countries. These include the International School of Young Astronomers (ISYA: Co-director 1998-2007) and Teaching Astronomy for Development (IAU/TAD: Chair 2006-2013). He also has served with the IAU Office Astronomy for Development (OAD). He also previously served on the USNC/IAU committee (2010-2016) and was chair from 2012-2015. He currently serves on the steering committee for the IAU Office for Young Astronomers (OYA).

Christine A. Jones Forman

Member

Christine Jones Forman's present position is Senior Astrophysicist, Center for Astrophysics, Harvard & Smithsonian. She was a Harvard Junior Fellow from 1975 to 1978. Her primary professional research is the study of galaxies and clusters of galaxies using X-ray observations from the Chandra and XMM-Newton missions. She was elected a fellow of the American Association for the Advancement of Science in 1995, and received the Marcel Grossmann Prize in 2009. In 2023, she was elected a member of the National Academy of Sciences. She was elected president of the American Astronomical Society in 2016 and became President of Cross-Division D-J Commission Supermassive Black holes, Feedback and Galaxy Evolution in 2021. Forman received the M.A. in Astronomy in 1971 from Harvard-Radcliffe College, and in 1972 her MA and in 1974 her PhD from Harvard University.

Preethi Nair

Member

University of Alabama

Stephen Unwin

Member

Stephen Unwin is a Principal Scientist at the Jet Propulsion Laboratory in Pasadena, California, in mission concepts and proposals in astrophysics. Prior to JPL he was a Member of the Professional Staff at Caltech, managing a data analysis facility, and researching in relativistic astrophysical jets in active galactic nuclei. He was Vice President of the American Astronomical Society, a Councilor of the AAS, Chair of the Division on Dynamical Astronomy of the AAS, and served on AAS committees. He has received awards from JPL and NASA for his work on astronomy mission development and has served on numerous review committees for NASA and NSF. He received his BA degree from Clare College Cambridge, and his PhD in Radio Astronomy from the University of Cambridge.

Robert E. Williams

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