



**Antonio J. Busalacchi**  
UCAR President

### **THE UCAR PRESIDENT**

The UCAR president holds a unique role in scientific leadership as the intellectual champion and administrative officer of a consortium of more than one hundred-member institutions that advance and support atmospheric and related sciences. The UCAR president is responsible for the overall success, strategic direction, and operational excellence of UCAR and oversees the successful stewardship of both NCAR and UCAR Community Programs (UCP). Reporting to the UCAR Board of Trustees, the president serves as the highest-level management liaison with the National Science Foundation (NSF), and other public and private agencies.

### **UCAR'S COOPERATIVE AGREEMENT WITH NSF TO MANAGE NCAR**

On behalf of NSF, UCAR has managed continuously the strategic operation of NCAR since its creation in 1960. The president ensures that UCAR/NCAR strategic priorities and performance goals are aligned with the overall NSF Strategic Plan and that the achievements are measured, documented, and reported regularly.

### **ADMINISTRATIVE LEADERSHIP**

The president provides oversight of all administrative aspects of UCAR and provides leadership for recruiting a diverse and talented workforce, which includes about 1,390 staff members. The president is responsible for developing and managing a strong senior leadership team of executives to help oversee the scientific direction and operations of the corporation.

### **FISCAL MANAGEMENT AND OPERATIONAL EXCELLENCE**

The president is responsible for the fiduciary obligations and business practices of the corporation, which include annual expenditures exceeding \$200 million. As such, the president monitors and assesses UCAR processes and organizational structures to ensure best practices, accountability, operational efficiencies, appropriate centralization, and cost effectiveness of scale.

### **EXTERNAL ENGAGEMENT AND SCIENTIFIC COMMUNITY SUPPORT**

As the principal spokesperson of the organization, the president advocates nationally and internationally for the geosciences and the many societal benefits of UCAR's research, technology development, education, and outreach programs. Maintaining close ties and coordination between UCAR and professional societies in the geosciences such as the American Meteorological Society and the American Geophysical Union is an important aspect of community leadership. The president also serves as a convener and advocate for the entire geosciences community and continuously promotes collaborations that benefit the interests of UCAR member organizations, both nationally and internationally.



## **BIOGRAPHY - ANTONIO J. BUSALACCHI**

Dr. Antonio J. Busalacchi, president of the University Corporation for Atmospheric Research (UCAR) since August 2016, has a distinguished career in the geosciences; extensive experience in management of academic, laboratory, and government programs; and a broad knowledge of the community. Prior to his appointment at UCAR, he served as director of the Earth System Science Interdisciplinary Center (ESSIC) and as a professor in the Department of Atmospheric and Oceanic Science at the University of Maryland.

After receiving a Ph.D. in oceanography from Florida State University, Busalacchi began his professional career at NASA's Goddard Space Flight Center. He has studied tropical ocean circulation, its role in the coupled climate system, and phenomena such as El Niño. His interests include the development and application of numerical models combined with in situ and space-based ocean observations to study the tropical ocean response to surface fluxes of momentum and heat. His research on climate variability and predictability has supported a range of international and national research programs dealing with global change and climate, particularly as affected by the oceans.

In 1991, he was appointed chief of NASA's Laboratory for Hydrospheric Processes, and member of the Senior Executive Service. In 2000, he was selected as the founding director of ESSIC at the University of Maryland. Busalacchi has been involved in the activities of the World Climate Research Program (WCRP) for many years. From 2008-2014 he chaired the Joint Scientific Committee that oversaw the WCRP. He previously was co-chair of the scientific steering group for its sub-program on Climate Variability and Predictability.

Busalacchi has served extensively on National Academy of Science/National Research Council (NAS/NRC) activities, including as chair of the Board on Atmospheric Sciences and Climate, chair of the Climate Research Committee, chair of the Committee on Earth Science and Application: Ensuring the Climate Measurements from NPOESS and GOES-R, and co-chair of the Committee on National Security Implications of Climate Change on U.S. Naval Forces. He also has served as a member of the Committee on Earth Studies, Institute of Medicine Committee on the Effect of Climate Change on Indoor Air Quality and Public Health, Committee on Assessing the Impacts of Climate Change on Social and Political Stresses, and Committee on the Assessment of NASA's Earth Science Program.

In 2016, Busalacchi was elected to the National Academy of Engineering. In 2014 he was elected as chair of the American Association for the Advancement of Science "Section W" on Atmospheric and Hydrospheric Sciences. That year he was also elected to UCAR's Board of Trustees.

Busalacchi has received numerous other awards and honors. In 1991, he was the recipient of the prestigious Arthur S. Flemming Award, as one of five outstanding young scientists in the entire federal government. In 1995 he was selected as Alumnus of the Year at Florida State University, in 1997 he was the H. Burr Steinbach Visiting Scholar at Woods Hole Oceanographic Institution, and in 1999 he was awarded the NASA/Goddard Excellence in Outreach Award and the Presidential Rank Meritorious Executive Award. He is a fellow of the American Meteorological Society, the American Geophysical Union, and the American Association for the Advancement of Science. In 2006, he was selected by the AMS to be the Walter Orr Roberts Interdisciplinary Science Lecturer.