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Indian lands, supervises graduate students, and develops multi-institution transdisciplinary research programs.

Dr. McCarthy is also President of McCarthy & Smith Consulting, where she advises public and private entities on national security, threat analysis, environmental security, energy security, and the impacts of global climate change. She serves on the National Security Advisory Board for the University of Maryland, Board of Directors for the Tahoe Prosperity Center, Board of Supervisors (elected) of the Nevada-Tahoe Conservation District, Climate Resiliency Advisory Group for Northern Nevada, and President the Rotary Club of Tahoe-Incline.

Dr. McCarthy has nearly two decades of experience directing programs in science, technology, university education, intelligence analysis, and national, homeland, and international security policy development for the Departments of Defense, Energy and Homeland Security. She served in the Administration of President George W. Bush as a member of the Transition Planning Office responsible for the stand-up of the Department of Homeland Security (DHS). She was the first Director of Research & Development and Director of Border, Health and Weapons of Mass Destruction Intelligence for DHS. She was a member of the Senior Executive Service and a Senior Intelligence Officer. Prior to 9/11, Dr. McCarthy was Chief Scientist for the National Nuclear Security Administration coordinating nuclear weapons and non-proliferation programs and leading nuclear nonproliferation negotiations with the Russian Federation.

Dr. McCarthy was the first Defense Policy Fellow of the American Association for the Advancement of Science (AAAS), where she served as technical advisor to the Secretary of Defense for nuclear arms control negotiations with the Former Soviet Union. She came to Washington, D.C. from the Pacific Northwest National Laboratory where directed the Interface Physics Group. She was a Lady Davis Postdoctoral Fellow at the Hebrew University in Jerusalem, Israel, holds a Ph.D. in Chemical Physics from the University of Colorado, and a B.Sc. in Chemistry from Boston College. She is an active member of the AAAS, Women in Nuclear, American Chemical Society, Cosmos Club of Washington DC, and the National Security Forum.

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