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Dr. Richard Buckius has been at the National Science Foundation as a Senior Science Advisor since June of 2014 and Chief Operating Officer since October of 2014. Recently, he was the Vice President for Research and is Professor of Mechanical Engineering at Purdue University (2008-14). Previously, he was Head of the Department of Mechanical and Industrial Engineering (1998-05), Associate Vice Chancellor for Research (1988-91), and Richard W. Kritzer Professor (1992-97) at the University of Illinois at Urbana-Champaign (UIUC). Dr. Buckius also served as the National Science Foundation's Assistant Director for Engineering (2006-08), Director for the Engineering Directorate's Division of Chemical and Transport Systems (2004-05), and Program Director of the Thermal Systems and Engineering Program (1987-88).

Dr. Buckius is author/co-author of numerous publications, books and invited talks and articles in the areas of radiation heat transfer, numerical fluid mechanics, and combustion. He co-authored a textbook titled *Fundamentals of Engineering Thermodynamics* (Mc-Graw-Hill) which was published in English, Spanish and international versions. He is a member of the editorial boards of *Nanoscale and Microscale Thermophysical Engineering*, *Heat Transfer Research*, and *Heat Transfer-Asian Research*. He was Associate Technical Editor for the American Society of Mechanical Engineers (ASME) *Journal of Heat Transfer*.

Among his honors include ASME's Richards Memorial Award, ASME's Potter Gold Medal, Heat Transfer Division 75th Anniversary Medal, and American Society for Engineering Education Ralph Coats Roe Award. He has received numerous teaching awards, including UIUC Campus Award for Excellence in Undergraduate Teaching and six Mechanical Engineering Alumni Teaching awards.

Dr. Buckius received his bachelor's and master's degrees and PhD in mechanical engineering at the University of California, Berkeley, in 1972, 1973 and 1975, respectively.