

DAVID B. WILLIAMS, Ph.D, Sc.D

*President, The University of Alabama in Huntsville
Biography*

David B. Williams was named president of The University of Alabama in Huntsville in 2007 and is moving quickly to position the campus as one of the leading research universities in the nation.

Dr. Williams articulated the Power of 10 initiative after extensive cross-campus discussions and through the collaboration of leaders from the Huntsville area's business, education and government communities. Attaining the program's goals will further strengthen UAHuntsville's reputation as an innovative academic institution and technological research university and strengthen its pivotal role in Huntsville's continuing economic growth.

Goals from the Power of 10 include:

- 10⁸ — \$100 million in research annually
- 10⁸ — \$100 million endowment
- 10⁷ — \$10 million in annual giving
- 10⁴ — 10,000 students
- 10³ — 1,000 interns and cooperative education students
- 10² — 100 Ph.D.s annually
- 10¹ — 10 new interdisciplinary programs
- 10⁰ — 1 international campus

Innovative developments for the university since he arrived on campus include: the hiring of two world-class eminent scholars — Michael Griffin in aerospace engineering and Gary Zank in astrophysics; the first college campus in the United States to operate an office for Oak Ridge National Laboratory; and the creation of a pioneering research collaboration agreement with Pratt & Whitney Rocketdyne.

Dr. Williams joined UAHuntsville following a distinguished career at Lehigh University in Bethlehem, Pa. At Lehigh, Dr. Williams earned extensive academic, research, and administrative credentials and served most recently as vice provost for research. His research and administrative experiences were strongly supported by many Federal Agencies, including NASA and the U.S. Army, that interact strongly with UAHuntsville.

A native of Leeds, England, Dr. Williams holds B.A., M.A., Ph.D., and Sc.D. degrees from The University of Cambridge. From 1974 to 1976, he was a Science Research Council fellow in Cambridge University's department of metallurgy and materials science.

In 1976, Dr. Williams joined Lehigh University as an assistant professor of materials science and engineering. He became associate professor in 1979,

professor in 1983, and vice provost for research in 2000. He was also the Harold Chambers Senior Professor of Materials Science and Engineering.

From 1980 to 1998, Dr. Williams directed Lehigh University's Electron Microscope Laboratory and the Lehigh Microscopy School, long considered the world leader in electron microscopy education. He chaired Lehigh's Materials Science and Engineering Department from 1992 to 2000.

Dr. Williams created Lehigh's Center for Optical Technologies, for which he led efforts to acquire more than \$30 million in external funding. He also initiated numerous multi-institution science and engineering research proposals to government agencies and is credited with generating a more than 80 percent increase in research expenditures at Lehigh from 1999 to 2006.

Active in economic development efforts, Dr. Williams served on the Executive Board of the Ben Franklin Technology Partners of Northeast Pennsylvania and the Life Sciences Greenhouse of Central Pennsylvania, and he created Lehigh's Office of Technology Transfer, Research and Education.

Dr. Williams is co-author and editor of 11 textbooks and conference proceedings and the author or co-author of 220 refereed publications and 210 abstract/conference publications on the application of analytical and transmission electron microscopy to studies of precipitation and segregation in metals and alloys. He has given more than 250 invited presentations in 28 countries. He advised or co-advised more than 20 M.S. and 20 Ph.D. students as well as 15 post-doctoral research associates. A fellow of three international professional societies, Dr. Williams is a former editor of *Acta Materialia* and the *Journal of Microscopy* and has served on numerous editorial boards. He is past president of the International Union of Microbeam Analysis Societies and the U.S. Microbeam Analysis Society.

His wife, Margaret, who grew up in Australia, earned a B.A. in 1974 from the University of Sydney. She completed a master's degree in special education at Lehigh University in 1980. The couple has three sons, Matthew, Bryn Joseph, and Stephen.