



Harold Schobert Elected to the 2010 Class of ACS Fellows



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Harold Schobert, professor of fuel science in the Department of Energy and Mineral Engineering and leading researcher in fuel chemistry in the EMS Energy Institute, has been elected to the 2010 class of Fellows of the American Chemical Society (ACS).

The ACS Fellows Program was created in 2008 to "recognize members for their contributions to the chemical sciences and outstanding service to ACS." Last year, ACS honored the inaugural class of 162 Fellows.

The 2010 Fellows, including Schobert, will be honored at a special ceremony during the ACS National Meeting in Boston, MA this August.

Schobert came to Penn State in 1986 and served as the Fuel Science Program Chair from 1988 ? 1996 and as the EMS Energy Institute Director from 1998 ? 2006. Schobert has made many important contributions to the advancement of fuel science and is internationally recognized as a leading researcher for his accomplishments in the areas of fuel chemistry, including molecular structures of coals, conversion of coals to synthetic fuels and to carbon materials, coal-based jet fuels, coal ash behavior, and CO₂ capture. As one of his most notable research accomplishments, he directed a 20-year project that successfully developed a coal-based replacement for Jet A and JP-8 jet fuels that also has an application for thermal management on board aircraft. He has over 350 publications, including 10 books and over 100 refereed journal articles in leading research journals related to fuel chemistry.

At Penn State, Schobert is widely respected as a teacher and leader in the area of energy and fuels. He has developed several new courses in energy and fuels during his tenure and two of his books, *The Chemistry of Hydrocarbon Fuels* and *Energy and Society: An Introduction*, are extensively used as textbooks in the US and the world. For his outstanding accomplishments in research and teaching, Schobert is one of the few Penn State faculty members to receive both the Matthew and Anne Wilson Award for Excellence in Teaching and the Matthew and Anne Wilson Award for Excellence in Research, which are the highest awards for research and teaching in the College of Earth and Mineral Sciences at Penn State.

Schobert has also received the Richard A. Glenn Award for Best Paper in Fuel Chemistry from the ACS Fuel Chemistry Division, and, in 2004, he received the Henry H. Storch Award in Fuel Chemistry, which is the highest honor for research awarded by the ACS Fuel Chemistry Division.

Schobert is an active leader and long time member of ACS. In 2009, Schobert received the Distinguished Service Award from the ACS Fuel Chemistry Division in recognition of his outstanding service and continued impact. He has served in seven elective or appointive offices with the division, including elected Chair for the ACS Fuel Chemistry Division. He also chaired the Long-Range Planning Committee and led the strategic planning efforts and the report for the division.

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