



## Distinguished science society inducts UNT chemistry professor as Fellow

**August, 2010** - UNT chemistry professor, Angela Wilson, is among 192 distinguished scientists to be inducted into the American Chemical Society's (ACS) 2010 class of Fellows. The ACS is composed of more than 161,000 professionals from diverse fields of chemistry and is the world's largest science society. The non-profit membership organization's mission is "to advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people." The Fellows program recognizes and honors ACS members who have made outstanding contributions to science, their profession, and society. 2010 Fellows include Nobel Prize winners, top journal editors, former ACS presidents, members of the National Academy of Science, and professionals representing a range of disciplines from industry, academia, and government. Fellows will be honored during the society's national meeting in Boston at the end of August.

Wilson's research centers on quantum mechanics and its applications across a range of areas, including atmospheric and environmental chemistry, luminescent materials, nanomaterials, and the study of molecular species with unusual bonding. She is known for her work developing mathematical functions to describe molecular orbitals and also for devising a new pan-periodic table, a method of modeling energetic properties that yields some of the most accurate results possible. Her papers have been published and cited extensively in science journals worldwide.

Noted among Dr. Wilson's achievements:

- Wilson is the first UNT faculty member to be honored with a National Science Foundation (NSF) Career Award.
- In 2008 she was designated a National Associate of the National Academies — a lifetime honor for her "extraordinary service to the National Research Council in its role as advisor to the nation in matters of science, engineering, and health."
- The National Academy of Sciences tapped Wilson to be U.S. Chair of the 2006 Chinese-American Frontiers of Science program, a by-invitation-only program for "top scientists under the age 45" from the U.S. and China.
- She received the Wiley International Journal of Quantum Chemistry Young Investigator Award in 2003, which is given to only two quantum chemists, internationally, each year.
- She is currently a member of the User Advisory board of the Environmental Molecular Sciences Laboratory of Pacific Northwest National Laboratory and has served on numerous federal panels and as a visiting scholar and lecturer at universities and laboratories.
- UNT recognizes Wilson's passion to teach and her dedication to students, colleagues, and the UNT community. Recent UNT awards include the 2009 Toulouse Scholar Award and the 2009 Research-Scholars Award. She founded and co-directs UNT's Center for Advanced Scientific Computing and Modeling (CASCAM) and co-leads the Materials Modeling research cluster. The NSF "Research Experiences for Undergraduates" (REU) program for the Department of Chemistry is now in its seventh year and has flourished under her leadership. Many of Wilson's students have received top honors, and she was recognized at the Kennedy Space Center for her role as a mentor.

Congratulations, Angela Wilson, on receiving this important honor for your contributions in chemistry!

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