

DAVID D. BRESHEARS is a Professor in the School of Natural Resources at the University of Arizona; he has also been affiliated with the interdisciplinary Institute for the Study of Planet Earth (becoming Institute for Earth and Society), where he serves as Theme Leader for Ecosystem Sciences, and has a joint appointment with the Department of Ecology and Evolutionary Biology. His research focuses on ecosystems that span from grassland to forest and on the interrelationships between ecology and hydrology, in the developing area of ecohydrology. He is particularly interested in drought impacts on ecosystems. Dr. Breshears' research program is highly interdisciplinary, bridging diverse aspects of environmental science, and his findings have been applied to issues of land management, pollution, and global change. His research on drought and tree die-off, published in *Proceedings of the National Academy of Sciences*, has been featured in print and/or electronic versions of USA Today, the New York Times, the Washington Post, National Geographic News, Editor's Choice in Science, Science News, and Imagine That, a NSF-sponsored radio spot for more than 500 colleges and universities. He received the Wiley Prize for best paper of 2003 in *Earth Surface Processes and Landforms* by the British Geomorphological Research for his research comparing wind and water erosion rates. Dr. Breshears also helped to pioneer a new method for measuring soil carbon based on laser-induced breakdown spectroscopy (LIBS). Dr. Breshears received his Ph.D. in Radioecology—an interdisciplinary field linking ecology and contaminant transport—and completed the Program in Ecological Studies at Colorado State University in 1993. He also holds a M.S. in Radioecology from Colorado State University awarded in 1987 and a B.S. in Wildlife Science with a Computer Science minor from New Mexico State University awarded in 1985. Dr. Breshears is a Certified Sr. Ecologist and serves within the Ecological Society of America as the current Chair of the Board of Professional Certification and on the Board of Editors for *Ecological Applications*; he previously served as Chair of the Rangeland Ecology Section. He cofounded the new journal *Ecohydrology*. He has also been active in the American Association for the Advancement of Science, the American Geophysical Union, the International Association of Landscape Ecologists, the Health Physics Society, and the International Union of Radioecologists.