

Scully Recognized with Optical Society's Highest Award

COLLEGE STATION -- Dr. Marlan O. Scully, distinguished professor of physics and astronomy at Texas A&M University and professor of mechanical and aerospace engineering at Princeton University, has been selected to receive the 2012 Frederic Ives Medal/Jarus Quinn Prize, the highest award of the Optical Society (OSA) recognizing overall distinction in optics.

Scully, a world-renowned pioneer of quantum optics and laser physics, is cited for "lifetime leadership in groundbreaking research on all aspects of quantum optics, including the quantum theory of the laser, quantum coherence effects, quantum thermodynamics and the foundation of quantum mechanics." His award was one of 18 announced Monday (Apr. 2) by OSA to honor achievement in and commitment to the optics field.

The Ives Medal/Quinn Prize, first presented in 1929, was endowed in 1928 by Herbert E. Ives, a distinguished charter member and former OSA president (1924 and 1925), to honor his father, who was noted as the inventor of modern photoengraving and for his pioneering contributions to color photography, three-color process printing and other branches of applied optics. The prize portion of the prestigious honor celebrates Jarus W. Quinn, who served 25 years as OSA's first executive director, and is funded by the Jarus W. Quinn Ives Medal

Endowment raised by members at the time of Quinn's retirement to commemorate his extensive service to the organization.

As the 2012 Ives Medal winner, Scully will present a plenary address at OSA's 96th Annual Meeting, *Frontiers in Optics 2012*, scheduled for October 14-18 in Rochester, New York.

A highly decorated researcher and scholar, Scully's many awards and professional honors include OSA's Herbert Walther Award, Adolph E. Lomb Medal and Charles H. Townes Award; the Institute of Electrical and Electronics Engineers Inc.'s Quantum Electronics Award; the Franklin Institute's Elliott Cresson Medal; a Guggenheim Fellowship; the Alexander von Humboldt Distinguished Faculty Prize; the APS' Arthur L. Schawlow Prize and Harvard University's Morris Loeb Lectureship. In February 2010 he was awarded an honorary doctorate from the University of Ulm -- the birthplace of Albert Einstein -- in Germany for his pioneering work in laser physics and quantum optics.

Scully, who joined the Texas A&M faculty in 1992, received both his master's of science and Ph.D. degrees in physics from Yale University. He is a distinguished alumnus of the University of Wyoming, where he received his bachelor's degree in engineering physics.

Founded in 1916 and headquartered in Washington, D.C., the Optical Society unites more than 130,000 professionals from 175 countries in an effort to bring together the global optics community through its programs and initiatives. The Society works to advance the common interests of the field, providing educational resources to scientists, engineers and business leaders by promoting the science of light and the advanced technologies made possible by optics and photonics. OSA publications, events, technical groups and programs foster optics knowledge and scientific collaboration among all those with an interest in optics and photonics. For more information, visit www.osa.org.



A world-renowned pioneer in quantum optics and laser physics, Dr. Scully has brought distinction to Texas A&M University by leading the way to many scientific breakthroughs, such as slowing the speed of light to the snail-like pace of 10 miles per hour, making revolutionary lasers without population inversion and showing how quantum mechanics can yield a class of novel quantum heat engines.