



# UNICO National

The Largest Italian American Service Organization In the USA



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## Guglielmo Marconi Award - Science

### UNICO National Marconi Science Award and Medal 2008

By Andre' DiMino

UNICO National, the largest Italian American service organization in the United States, each year honors an outstanding Italian American scientist with its prestigious Marconi Science Award and Medal. UNICO National inaugurated the Marconi Science Award in 1995 to commemorate the 100th anniversary (1895 – 1995) of the world's first long distance wireless transmission by Marconi and to recognize his great scientific contributions.

#### ANTHONY M. TROZZOLO, PH. D.

The 2008 UNICO National Marconi Science Award and Medal was presented to Dr. Anthony M. Trozzolo of Notre Dame, a world-renowned scientist who has devoted his career to chemistry. He is an authority on a specialized branch of chemistry known as photochemistry with lifelong research efforts on the creation and detection of reactive intermediates. These are specific chemical compounds and elements that are reactive or sensitive to light energy. His efforts are in both the creation of these compounds as well as their detection and analysis with such techniques as spectroscopy, laser spectroscopy and optical spectroscopy. The applications for this chemical specialty have wide and varied applications, from glow-in-the-dark inks to forensic analysis, as seen in popular TV shows like CSI. He has also applied his research efforts to the effects that light energy has on polymers, applications with magnets as well as the area of superconductivity.

Dr. Trozzolo has penned a comprehensive list of over 90 published articles in respected journals. He is a prolific inventor with thirty one U.S. and foreign patents. In addition to the influence he has had on students over the last 33 years at Notre Dame, he has lectured around the world with over 300 invited lectures at universities, international meetings, American Chemical Society symposia and industrial laboratories. Among these were endowed lectureships at some of the most respected universities in the US. He has received numerous awards and honorary degrees. Dr. Trozzolo was born in Chicago in 1930 and spent his younger years fascinated by science. After high school he studied at the Illinois Institute of Technology where he would earn a BS degree in Chemistry in 1950 and continued to an MS degree in 1957 and a Ph.D. degree in 1960 both from the University of Chicago. In 1959 Dr. Trozzolo launched his industry career with a research position at Bell Telephone Laboratories in Murray Hill. For the next 16 years he would explore chemical research at Bell Labs. In 1975, Dr. Trozzolo would begin his academic career as the first Charles L. Huisking Professor of Chemistry at Notre Dame. He has remained in that position until today as the Huisking Professor Emeritus of Chemistry.





UNICO National is the largest Italian-American service organization in the United States with local chapters across the country. The Marconi Science Award is just one of the many national awards and scholarships which UNICO National bestows annually.

For additional information contact Andre' Di Mino, Chair, Marconi Science Award Committee by email at [andre@unico.org](mailto:andre@unico.org) or 201-767-6040.



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