NATIONAL ENGINEERS WEEK

National Engineers Week was founded in 1951, by the National Society of Professional Engineers. It's always celebrated at the time of George Washington's birthday. Our nation's first president was a military engineer and a land surveyor. The mission then, and now, is to increase public awareness and appreciation of the engineering profession.
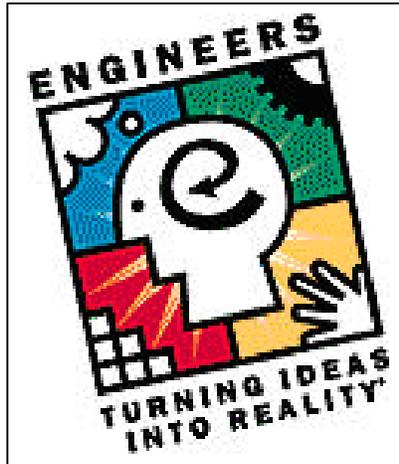
Peninsula Engineers Council Annual Banquet
AND PRESENTATION OF THE 1999 ENGINEER OF THE YEAR AND DOUG ENSOR AWARDS

Engineer of the Year

Dr. John C. Lin, Senior Research Engineer at NASA Langley Research Center was named as the 1999 Peninsula Engineer of the Year by the Peninsula Engineers Council (PEC). Dr. Lin was nominated by the American Institute of Aeronautics and Astronautics and was selected for his significant contributions to the domestic aerospace industry, NASA program goals, shipbuilding industry, and naval community.

Dr. Lin developed the Micro-Vortex Generator (MVG) technology. The MVGs are passive flow control devices with a low aspect ratio that minimize device drag for the turbulent boundary layer. The MVGs produce an array of trailing streamwise vortices very efficiently, which result in rapid wallward momentum transfer. The wallward momentum transfer helps to reduce or eliminate flow separation on the downstream surface. MVGs offer an inexpensive, yet highly effective, solution to enhance aircraft high-lift performance by alleviating flow separation on the flap. The MVG technology is successfully being used on Gulfstream, Piper, and Boeing 767 aircraft. Dr. Lin also developed the MVG technology for NASA Langley's Airframe Noise Reduction Program, providing substantial noise reduction. Furthermore, working with Newport News Shipbuilding, Dr. Lin extended the MVG technology development, transferring it to hydrodynamics and hydroacoustics applications. Dr. Lin resides in Yorktown with his wife Vanessa and daughter Angelica.

Doug Ensor Award

Alma U. Martinez was named 1999 Doug Ensor Award recipient for Young Engineer of the Year by the Peninsula Engineers Council. Ms. Martinez, a Planning and Manufacturing Engineering Manager at Newport News Shipbuilding, was nominated by the American Society of Mechanical Engineers, Eastern Virginia Section. The Doug Ensor Award is presented by the PEC to the Young Engineer of the Year on the Virginia Peninsula in recognition of their contribution to the profession, significant technical accomplishment, and community involvement.

Banquet Speaker

Jill Bieri, Resource Protection Coordinator for the Chesapeake Bay Foundation in Hampton Roads will provide a presentation on <u>Restoring the Chesapeake Bay in Hampton Roads</u>. Ms Bieri will discuss efforts to restore the bay's "system" to counter the swings of nature and impact of humans. She also will outline related local efforts to restore the bay in Hampton Roads, including the oyster beds, submerged aquatic vegetation, and the Newmarket Creek and Back River in Hampton.

Entertainment

Entertainment will be provided by **Osmosis. Osmosis** plays a variety of Jazz, including Straight Ahead, Contemporary, Fusion, Latin, Funk, Blues, and Ballads.

Peninsula Engineers Council

The Peninsula Engineers Council (PEC) is sponsoring the banquet. PEC is an inter-society council comprised of representatives from organizations dedicated to strengthening and promoting the engineering profession in the Peninsula area. Please visit our web site at http://www.pcs.cnu.edu/~khoffman/PEC/.

SATURDAY, FEBRUARY 27, 1999 – OMNI HOTEL, NEWPORT NEWS, VIRGINIA
6:00 PM Social Hour, 7:00 PM – Dinner followed Program and Entertainment

PROGRAM:	Presentation of the Engineer of the Year and Doug Ensor Awards
Music:	Music will be provided by Osmosis.
Menu:	Toss Salad, Grilled Chicken Breast, Red Bliss Potatoes, Garden Peas and Carrots, Rolls and Butter, Beverage, and Chocolate Mousse Torte. Virginia wines can be purchased by the bottle.
Tickets:	$17 per person. To purchase tickets, please contact Andy Schuster at 380-3411 or contact your society's PEC member.