

Press Release

For immediate release

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2007 PSPE Engineer of the Year

Presented to

William J. Bryan, P.E., P.L.S., F.NSPE



The 2007 PSPE Engineer of the Year is awarded to William J. Bryan P.E., P.L.S., F.NSPE of McMurray, Pa. This award recognizes a PSPE member who has made significant achievements in the area of: professional society activities; civic, fraternal, religious or humanitarian activities; professional and/or technical publications, papers, or patents; and the field of engineering during their professional career.

Mr. Bryan is currently the Corporate Quality Manager for ANSYS, Inc. where he has been employed for fifteen years. Prior to this he was employed by ABB Combustion Engineering, Inc. for seven years as a Principal Consulting Engineer, and Administrative Director of Quality for the Nuclear Fuel Division. Before this he was employed by Westinghouse Electric Corporation as Manager, Advanced Mechanical

Development, Manager - Product Development, Senior Engineer, and Engineer. His primary experience has been in the area of mechanical design and software development.

Mr. Bryan received his Bachelor of Science Degree in Mechanical Engineering from the University of Pittsburgh, and a Master of Science Degree in Mechanical Engineering from the University of Pittsburgh. Later he received another Master of Science Degree in Industrial Engineering from the University of Pittsburgh. He also has taken PhD courses at the University of Pittsburgh and Carnegie Mellon University, and courses from Harvard Business School Executive Management program, and Crosby's Quality College. He is a registered Professional Engineer and Professional Land Surveyor in Pennsylvania. He has been a member of PSPE for 32 years where he most recently serves as President of the Pennsylvania Engineering Foundation. Mr. Bryan has served as the Foundation's President for over eighteen years. The Foundation was incorporated in 1970 and is dedicated to using its resources and leadership talents to help meet the demand for qualified engineers. He and the Foundation have supported the MATHCOUNTS program since its inception through financial management and volunteer participation.

Mr. Bryan has also held offices of President and State Director of the Westmoreland Chapter of PSPE after reactivating it in 1980. He was awarded both State and National Membership Development Awards in 1984 after recruiting over 100 new members. He has served as a member of the NSPE National Membership and Professional Development Committees. He was awarded the membership status of Fellow in NSPE in 2004 and was awarded PSPE's Young Engineering of the year in 1981 for technical achievement and service to the engineering profession and mankind. He also received PSPE's Distinguished Service Award in 1986, for distinguished service, outstanding performance, and demonstrated effective leadership to the Society. Mr. Bryan began his engineering career with Westinghouse Electric Corporation where he gained experience in the design, analysis, and construction of nuclear power plants and nuclear fuel, including the development of analysis computer software. His experience with ABB Combustion Engineering, Inc. involved improving the performance and efficiency of nuclear fuel. During these years Mr. Bryan published 118 technical papers, was awarded 38 U.S. Patents, and managed an engineering department. Mr. Bryan is considered an expert witness in the fields of mechanical vibration, stress analysis, flow induced vibrations, and nuclear fuel design. He is also an active member of the American Society of Mechanical Engineers

and has held the office of Vice President of Professional Development and Region V, one of its 13 world wide regions.

In his position with ANSYS, Inc., Mr. Bryan has published and presented papers on the development of engineering design and analysis software. His works focus on the development of quality systems that improve the quality of commercial software programs. In 2003, he was appointed by the United States Department of Commerce, National Institute of Standards and Technology to serve as an Examiner for the Malcolm Baldrige National Quality Award.

Mr. Bryan and his wife, Joann, reside in Washington Township, south of Pittsburgh. They have three daughters; two attend Peter Township High School and one attends St. Thomas Moore Catholic School. Mr. Bryan was an Eagle Scout and has remained active in the scouting program for many years. For the past twelve years he has been Explorer Post Leader of Post 1316 in Canonsburg, PA. He also held an EMT license in the state of Connecticut and was a member of the Granby Ambulance Association for seven years while residing in Connecticut.

Mr. Bryan believes that Engineering has played a critical role in the progress of mankind. He is concerned that today there is a growing crisis in the engineering profession that has the potential to produce serious negative effects on our national economy, social system, and defense. Large portions of the populations of North America and Western Europe are preparing to retire; leaving their knowledge, expertise, and skills to younger engineers, and a potential significant gap in engineering talent is beginning to be felt.

Mr. Bryan believes that in the future, even more than in the past, the way Americans live will depend on the work and output of its engineers. Their imagination, inventiveness, and driving force will determine, in large part, our standard of living. Our nation's engineers can make the essential difference as to whether America becomes a society of recession, shrinking opportunity, and stagnation, or a nation providing for development, well being, and hope. That is why Mr. Bryan continues his volunteer leadership of the Pennsylvania Engineering Foundation and whole-hearted support of MATHCOUNTS.

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