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## ***NETL NEWS***

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### **NETL Researcher Wins R&D 100 Award**



**Morgantown, W.Va.**—The National Energy Technology Laboratory (NETL) is proud to announce that Dr. Stephen E. Zitney has been awarded an R&D 100 Award for the development of pioneering software technology to design and optimize next-generation energy plants. The development of APECS v 2.0 combines process simulation, equipment reduced order models, and design optimization to tackle difficult problems in the energy sector, including carbon capture applications.

R&D Magazine held its 49<sup>th</sup> annual R&D 100 Awards Banquet, where the awards were presented, on Thursday, October 13, 2011 in Orlando, Fla. Several of NETL’s employees took home an award. The annual event, known as the “Oscars of Innovation,” recognizes the 100 most technologically significant products to enter the marketplace in the past year.

Dr. Zitney is Director of the Advanced Virtual Energy Simulation Training and Research (AVESTAR<sup>TM</sup>) Center at NETL. Dr. Zitney grew up in West Mifflin, Pa., and earned M.S. and Ph.D. degrees in chemical engineering from the University of Illinois at Urbana-Champaign and a B.S. degree in chemical engineering and engineering and public policy from Carnegie Mellon University in Pittsburgh. He currently lives in Morgantown, WV.

NETL is a U.S. Department of Energy national laboratory that produces technological solutions to America’s energy challenges. For more than 100 years, the laboratory has focused on developing tools and processes to provide clean, reliable, and affordable energy to the American people. Three NETL research sites—Albany, Ore., Morgantown, W.Va., and Pittsburgh, Pa.—conduct a broad range of energy and environmental research and development activities that support DOE’s mission to advance the national, economic, and energy security of the United States.

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