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***NETL* REPORTS:**

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A National Energy Technology Laboratory (NETL) scientist, who is a resident of Morgantown, W.Va., has been selected by the American Institute of Chemical Engineers' (AIChE) to receive that organization's Fluidized Processing Recognition Award.

Dr. Madhava Syamlal, a Focus Area Leader for Computational and Basic Sciences at NETL, earned the award for his research in modeling and simulating fluid-particle flows. The AIChE presents the award every two years to an AIChE member "who has made a significant contribution to the science and technology of fluidization or fluidized processes and who has shown leadership in the engineering community."

Dr. Syamlal joined the U.S. Department of Energy in 2004 following several key research positions at Fluent Inc., as well as other companies, and has devoted more than 20 years of his career to pursuing solutions associated with gas-particle flows. His research led to the development of numerical solutions in use today to simulate fluid-particle flows. His body of work resulted in the development of an open-source code, called MFIX (Multiphase Flow with Interphase Exchanges), used as a standard worldwide by scientists conducting particle-flow research. MFIX is a general-purpose code to describe the hydrodynamics, heat transfer, and chemical reactions in fluid-solids systems.

Dr. Syamlal earned his Ph.D. and M.S. degrees in chemical engineering from the Illinois Institute of Technology and his B.S. degree in chemical engineering from IT-BHU (India). He will receive his award at AIChE's 2009 annual meeting set for November 8-13, 2009 in Nashville, Tenn.

Dr. Syamlal has resided in Morgantown since 1985 with his wife, Girija, son, Rahul, and daughter, Reshmi.

NETL is one of the U.S. Department of Energy's national laboratories. NETL – "the ENERGY lab" – focuses on America's economic prosperity, which requires secure, reliable energy supplies at sustainable prices. Three overarching issues characterize the energy situation in the United States. They are energy affordability, supply security, and environmental quality. The Department of Energy's only government-owned, government-operated national lab, NETL is a research and technology center where these energy challenges converge and energy solutions emerge. NETL implements a broad spectrum of energy and environmental research and development programs through its own research staff and through funded research at other labs, universities, and industry that will return benefits for generations to come.