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TECHNOLOGY DEVELOPMENT FOR ENERGY EFFICIENCY AND LOW EMISSIONS

This presentation will be discussing the development of diesel engine technologies, focusing on the enhancement of energy efficiency and emission control solutions. Meeting the increasing customer demands of fuel economy, performance, reliability, and durability and the increasing emission standards of NO_x and particulate matter reduction are principal concerns of engine engineers today. Meeting these demands requires the continual advances of the many components of engine systems, the use of a wide variety of problem solving methods and tools, and the collaboration of industry with universities and national labs.

Bio:

J.C. (Jeffrey) Hamilton received his BS in Mechanical Engineering from the University of Illinois in 1972 and his MS in Mechanical Engineering from Wayne State University in 1976. He started his engineering career in 1972 at Ethyl Corp in Ferndale, Michigan. In 1977 he went to Deere & Co in Waterloo, Iowa. He joined Cummins in 1979 as a Tech Specialist and progressed to Assistant Chief Engineer, Chief Engineer, Executive Engineer and Vice President of various departments. His current position of Vice President-Chief Technical Officer of GM Exhaust, Filtration Business began in June 2004.