

FALL 2007 SEMINAR SERIES

Date: Thursday, November 29, 2007

Time: 11:00 am - 12:00 pm

Room: SL 165

Reception at 10:45 am (cookies and refreshments served)

Everyone is invited

Innovative Approaches to Improving Engine Efficiency

Mr. John H. Stang, Vice President, Advanced System Design, Cummins, Inc., Columbus, IN.

Abstract. Requirements for new products are established by looking at emissions regulations, world economics, ever changing technologies available, and customer individual needs including preference. Cummins takes all of these factors into account when planning and developing new products. A brief glimpse into the powertrain product future will be presented. Paths to achieve very difficult customer needs are discussed.

About the Speaker. Mr. John Stang is currently a Vice President – Advanced Systems Design for Cummins Inc. Prior to assuming this position in January 2007, he was Vice President Automotive Engineering for 12 years, Vice President – Advanced Concepts for two and one-half years, Executive Engineer – Heavy Duty Projects for one year, Chief Engineer – N14 Engine for six years, and Staff Engineer – Advanced Engines and Systems for seven years. From 1968 to 1970, he was Systems Test Engineer in the U.S. Army Material Command. He received a BME in 1966 and MSME in 1968 from Marquette University, and an Engineer's Degree from Stanford University in 1971. John has been a member of SAE for 30 years. John's focus until recently had been on the design and development of a new family of small diesel engines for the personal-use automotive market. This has been recently announced as a new product direction for Cummins with the manufacturing facility being built in Columbus, Indiana.