

# Shabbir Ahmed

Argonne National Laboratory  
Center for Transportation Research  
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## Professional Experience

- **1985-Present.** Argonne National Laboratory
  - 1997-Present. Section Leader, Engine and Emissions Research. Manage a group of research engineers and technicians and conduct research on advanced engine and emissions reduction concepts
  - 1985-1997. Technical Staff, Center for Transportation Research
- **1969-1984.** Cummins Engine Company, Columbus, Indiana
  - Starting as an entry-level research engineer in the Technical Center, developed technical progression with increasing responsibilities for engine research, design, testing and applications
  - Group Leader responsible for supervising 10 engineers and 10 technicians involved in various aspects of diesel engine development
  - Program Manager, Advanced Engines and Systems, responsible for Department of Energy (DOE) sponsored research on turbo-compound systems and adiabatic diesel engine study for cars
- **1965-1967.** West Coast Paper Mills, India
  - Shift-in-Charge, Power Station: Supervised the operation and maintenance of steam boilers, turbines and water works

## Research Interests

- Operate and maintain experimental facilities related to engine research
- Develop new research programs in the automobile, truck and locomotive modes of transportation.

## Career Highlight

- Developed experimental engineering capability in the area of engine and vehicle research. Center for Transportation Research, which has a well-established reputation in assessments, needed an experimental capability to grow further in transportation research. Starting from the ground up, a group of engineers and technicians was built up, along with experimental facilities, with funding from the DOE as well as industry sponsors. Argonne now has the personnel and capabilities to be a significant laboratory for engine research.

## **Education**

- MBA, Research and Development Management, Indiana University, 1974
- MSME, Mechanical Engineering, University of Wisconsin, 1969
- BE, Mechanical Engineering, University of Madras, 1965

## **Awards**

- R&D 100 award (1999)
- Two Argonne Pacesetter Awards
- General Motors/EMD's Quality Recognition Award
- Federal Laboratory Consortium Award

## **Professional Society Affiliations**

- ASME
- SAE

## **Publications & Patents**

- 40+ publications in SAE and ASME conferences and journals
- 7 patents in the field of engines and emissions