

Raj Sekar

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Professional Experience

Argonne National Laboratory (1985 - Present)

- *Section Leader, Engine and Emissions Research (1997-Present)*: Manage a group of research engineers and technicians and conduct research on advanced engine and emissions reduction concepts. Operate and maintain experimental facilities related to engine research. Develop new research programs in the automobile, trucks and locomotive modes of transportation.
- *Technical Staff, Center for Transportation Research (1985-1997)*: Developed experimental engineering capability in the area of engine and vehicle research. CTR, which has a well-established reputation in assessments, needed an experimental capability to grow further in transportation research. Starting from ground up, a group of engineers and technicians was built up, along with experimental facilities, with funding from DOE as well as industry sponsors. Argonne now has the personnel and capabilities to be a significant laboratory for engine research.

Cummins Engine Company, Columbus, Indiana (1969-1984)

- Starting as an entry-level research engineer in the Technical Center, developed technical progression with increasing responsibilities for engine research, design, testing and applications. Became a Group Leader responsible for supervising 10 engineers and 10 technicians involved in various aspects of diesel engine development. My last position at Cummins was Program Manager, Advanced Engines and Systems, where I was responsible for DOE-sponsored research on turbo-compound systems and adiabatic diesel engine study for cars.

West Coast Paper Mills, India (1965-1967)

- *Shift-in-Charge, Power Station*: Supervised the operation and maintenance of steam boilers, turbines and water works.

Professional Society Activities

Active participation in ASME and SAE

More than 40 technical papers in SAE and ASME conferences and journals

Awards

- R&D 100 Award (1999)
- Seven patents in the field of engines and emissions
- Two Argonne Pacesetter Awards
- General Motors/EMD's Quality Recognition Award
- Federal Laboratory Consortium Award

Education

MBA, Research and Development Management, Indiana University (1974)

MSME, Mechanical Engineering, University of Wisconsin (1969)

BE, Mechanical Engineering, University of Madras (1965)