

# Ann M. Schlenker

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## Professional Experience

- **2009-Present.** Section Leader of the Vehicle Systems Group at Argonne National Laboratory.
- **1976-2008.** Chrysler Engineering, Auburn Hills, Michigan
  - **2008.** Director-Advanced Vehicle Engineering and Alliances
    - Led early vehicle programs (4-6 years advance of production) included in CapX with additional portfolio and innovation considerations
    - Identified opportunities for common vehicle architecture with inclusion of disruptive concepts
    - Translated DFSS House of Quality and Voice of Customer into engineering requirements for new vehicle targets
    - Interfaced with Government agencies, academia, and suppliers for technology collaboration opportunities
    - Technical interface for Chrysler merger or partnering potentials
    - Coordinated, managed and approved the R&D portfolio, budget and contracts for all Chrysler Engineering, i.e., Supplier, In-House, Academia, Government, Daimler and other Partners
    - Directed staff of 150 engineers and UAW represented designers
    - Led Change Management for Product Development with 70 percent reduction of spending and 40 percent reduction in product changes (over 2 years)
  - **2008.** Director-Quality Steering Committee (Engineering Representation)
    - Developed corporate strategy for quality improvement with accountability
    - Achieved 30 percent reduction in warranty costs
  - **2006-2008.** Director-Powertrain Engineering Program Management and Quality
    - Developed business processes with governance for >900 product engineers and direct staff of 140
    - Project development for diesel, advance gasoline engines, HEV, transmissions, axles, torque converters and emission after-treatment.
    - Strategic portfolio development for in-house vs purchased powertrains, while focused on environmental (energy and emissions), refinement and reduced cost of ownership goals
    - Achieved material cost reductions of >\$220M per year
    - Leadership of proactive (DFSS) and reactive Quality leadership for all powertrain, including launch of lifetime Powertrain warranty
  - **2004-2006.** Director-Body on Frame Platform Engineering Program Management (Dakota, RAM, Aspen, Durango, Sprinter, Wrangler, Cab Chassis)
    - Created business processes for 900 engineers for efficient operation of budget, decision-making, personnel and organization, strategy, proactive quality and

product development reviews. Focused on elimination of non-value added venues and attendance.

- Instituted Total Cost philosophy into decision making. Developed eight cost training modules for Engineers to build competency in enterprise-wide costs. Business Case template created adopted as corporate standard.
- Outsourced engineering work binned as non-core competency, e.g., weight compliance reporting.
- Guided vehicle program development for '06MY RAM pickup with greater than 10 percent FE improvement (MDS, spoiler, brake drag, tire rolling resistance, axle efficiency, bed-box gap closure, etc.), '07 Wrangler, '07 Durango and Aspen launch and '09 RAM renewal.
- **2002-2004.** Director-Family Vehicle Interior Engineering (Pacifica and Caravan/Town & Country)
  - Executed '05MY Stow-N-Go seating Minivan for unique selling proposition. Achieved 5/5 safety star rating by NHTSA
  - Development responsibility for seats, IP, overhead, carpet, and all hard trim product release with lean manufacturing processes
  - Led steering column core development for all vehicles
- **2001-2003.** Senior Manager Product Engineering-RAM Pickup Truck
  - Led cross-functional team which executed '03 RAM Heavy Duty pickup with award of Motor Trend Truck of the Year
  - Achieved 5/5 safety star ratings for NHTSA
  - Managed engineering interface for the 3 assembly plants building the light and heavy duty truck, with 24/7 response
  - Created change management system for improved, timely awareness
  - Delivered product to financial target and on-time
- **1999-2001.** Senior Manager-Regulatory Affairs-Environmental & Energy Planning (Mobile Emissions)
  - Participated with EPA to guide Tier 2 emission rulemaking and CA and Section 177 states for LEV (OBD and aftermarket) requirements
  - Testified at hearings to ensure sound technical understanding of potential rulemaking or legislation
  - Educated corporate leaders and engineers on requirements
  - Chaired CRC (Coordinated Research Council) Emissions Committee and member of Combustion Chamber Deposit and MMT workgroup of Auto and Oil company participants
- **1995-1999.** Senior Manager-Regulatory Affairs-Environmental & Energy Planning (Fuels and Fuel Economy Planning)
  - Communicated all pending and current regulatory and policy requirements to development engineers for compliance
  - Developed corporate response to NHTSA CAFÉ rulemaking (Car Talk, Global Climate Change) and participate with NAS for independent reviews
  - Created corporate position and response to EPA and CA for fuel issues, e.g., CNG, mtbe, sulfur, DI, octane
  - Created policy and positions for Chrysler and Auto OEMs for CEO engagement with 14 Major Oils' to advance fuel characteristics for cleaner burning gasoline and diesel, e.g, driveability index and sulfur
  - Developed industry common positions with AAMA (ACEA, JAMA)
- **1976-1995.** Manager/Product Engineer-Scientific Laboratories and Proving Grounds
  - Led corporate testing efforts for participation in the Auto Oil emissions and fuel research program

- Managed analytical laboratories for emission measurements at five corporate sites
- Identified instrumentation, process and supply development for future low emission requirements
- Supervised chassis dynamometer testing focused on fuel economy, emission and evaporative performance and alternative fuels. Aided final calibration release development engineers for product improvements.

## **Education**

- MS, Environmental/Civil Engineering, University of Michigan-Ann Arbor
- BS, Environmental/Civil Engineering, University of Michigan-Ann Arbor

## **Professional Society Affiliations**

- Corporate Quality Steering Committee
- USCAR, FreedomCar and Fuel Partnership
- Leaders of Today & Tomorrow
- Society of Women Engineers
- Michigan Council of Women & Technology
- Automotive Women's Alliance Foundation
- inFORUM
- Engineering Change Notice for Product Development
- Coordinating Research Council Emission Committee
- Policy and Corporate Governance Committee (post-Daimler merger)
- Auto Oil Phase 2 Testing for Research Consortium of Emissions/Fuels
- Partnership for Next Generation Vehicle (PNGV) Low Emission Technologies R&D
- Center of Competence Engineering: Interior, Program Management and Scientific Labs

## **Publications & Patents**

- Reversibility of Sulfur Effects on Emissions of CA Low Emission Vehicles (SAE 1999-01-1544)
- Effects of Fuel Sulfur on Emissions in CA Low Emission Vehicles (SAE 98-2726)
- CRC Speciated HC Emissions Analysis Round Robin Test Program (SAE 950780)
- Improved Emissions Speciated Methodology for Phase II of the Auto/Oil Air Quality Improvement Research Program - Hydrocarbons and Oxygenates (SAE 930142)
- A Sampling System for the Measurement of Pre-Catalyst Emissions from Vehicles Operating under Transient Conditions (SAE 930141)
- World Wide Fuel Charter: Phase 3 and Phase 4 Standards
- Patent: 1 - Environmental Research Consortia (American Industry Government Emission Research Group [AIGER]) Bag Mini-Diluter to public domain