

Biographical Sketch For A. Harvey Bell, IV

Career Overview

Engineering executive with broad experience bringing complex technically sophisticated high volume products to production. Expertise in System Engineering, deploying requirements from market research to final production vehicles

Preparation

Education

Bachelor of Science Mechanical Engineering - University of Michigan 1970,

Graduate studies at University of Michigan and University of Pennsylvania

Appointments

University of Michigan

September 2010 to Present

Professor of Engineering Practice and Co-Director of Multidisciplinary Design Program

General Motors Corporation, Product Development North America

June 1969 to November 2008

Executive Director

April 2006 to November 2008

Advanced Vehicle Development North America

- Lead a matrix team of 400 Advanced Engineers initiating General Motors Vehicle Programs
- Integrated General Motors System Engineering Approach with Design for Six Sigma
- Managed the initiation of six new vehicle programs
- Drove the development of vehicles based on market based requirements

Executive Director Vehicle Performance

August 2001 to April 2006

- Response for Vehicle Dynamics, N&V, Energy, Human Factors, Vehicle Performance Managers, Systems Engineering, Architecture Resources for North America
- Established Six Sigma in North America Vehicle Engineering
- Managed a 170 million dollar expense budget
- Managed 8500 vehicle development fleet
- Initial Organization had 1700 people

Engineering Director, Vehicle Dynamics, Noise and Vibrations

January 2001 to August 2001

North American Car Group

Engineering Director Performance Integration

January 2000 to January 2001

Responsible for Vehicle Dynamics, Noise&Vibration, Energy, Architectural, Performance Manager and System Engineering for North American Car Group

North American Car Group

June 1999 to January 2000

Engineering Director – Chassis

Small Car Group

June 1, 1998 to June 1999

Engineering Director, Chassis, HVAC, Electrical, Interior and Powertrain Accommodations

Lansing Automotive Division

August 1994 to June 1, 1998

Assistant Chief Engineer -Vehicle Systems Engineering

Midsize Car Division

July 1989 to August 1993

Chief Engineer Vehicle and Assembly Camaro/Firebird

Chevrolet-Pontiac-Canada Group

Vehicle Chief Engineer Camaro/Firebird

November 1988 to July 1989

Concept Vehicle Chief Engineer Camaro/Firebird IV

May 1987 to November 1988

Chief Engineer 2.5 Liter Engine Powertrain Technology Center January 1985 to May 1987

Pontiac Motor Division

Assistant Staff Engineer

Induction, Exhaust, Emission Development

January 1983 to January 1985

United States Navy

May 1970 to June 1973

Project Engineer

December 1971 to June 1973

Naval Ship Engineering Center Philadelphia

Main Propulsion Assistant LST-1179, USS Newport

May 1970 to December 1971

- **Awarded Navy Commendation Medal**

Publications

Making a College-Level Multidisciplinary Design Program Effective and Understanding the Outcomes Shanna R. Daly (University of Michigan), A. Harvey Bell (University of Michigan), Brian E. Gilchrist (University of Michigan), Gail Susan Hohner (University of Michigan, College of Engineering), and James Paul Holloway (University of Michigan) Session Title: Multidisciplinary Technical Session Conference: 2011 Annual Conference & Exposition Year: 2011

Collaborators

Shanna R. Daly, Brian E. Gilchrist, Gail Sue Hohner, James Paul Holloway

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