Michael J. Scavnicky

Biocore LLC
1627 Quail Run, Charlottesville, VA 22911

EDUCATION

University of Michigan, Ann Arbor, MI	MBA	2004
University of Virginia, Charlottesville, VA	MS Mechanical Engineering	1994
University of Delaware, Newark, DE	BS Mechanical Engineering	1992

PROFESSIONAL EXPERIENCE

Chief Operating Officer, *Biocore LLC, Charlottesville, VA* **2022 - present**
Responsible for general management at Biocore, a research and consulting firm dedicated to the understanding and reduction of injury.

Vice President, *Americas Airbag Product Business Unit, Joyson Safety Systems, Inc., Auburn Hills, MI* **2020 - 2022**
Managed Joyson's N. American Airbag Business Unit, with responsibility over the N. American airbag business portfolio ($500M+ sales in 2021), including: business acquisition, program execution and delivery from award to production launch, and ongoing production maintenance related to quality, cost, and design improvements.

Vice President, *Americas Applications Engineering, Joyson Safety Systems, Inc., Auburn Hills, MI* **2018 - 2020**
Managed Joyson's N. American Applications Engineering function, responsible for the implementation of core airbag, seat belt and steering wheel technology on to vehicle programs from business award through production launch, and ongoing production maintenance related to quality, cost, and design improvements.

Vice President, *Core Engineering, Takata, Auburn Hills,* MI **2015 - 2018**
Managed Takata's N. American Core Engineering Department, responsible for airbag, steering wheel, and seat belt device technology development to ensure the company's product portfolio fulfilled future regulatory, market and customer needs. Also managed the N. American Systems Development and Simulation Department, which was responsible for restraint system development and numerical simulation during all phases of program development, to ensure compliance to OEM and regulatory requirements (FMVSS, ECE) and optimization to consumer information protocols (IIHS, NCAP, and EuroNCAP).

Chief Engineer & Vice President, *Systems & Simulation, Global Engineering, Takata, Auburn Hills, MI* **2012 - 2015**
Global lead for the Systems & Simulation Department, which delivered restraint system development and numerical simulation expertise to Takata's Customer Business Unit (CBU) and Global Engineering (GE) teams. Team responsible for restraint system development and numerical simulation during all phases of program development, to ensure compliance to OEM and regulatory requirements (FMVSS, ECE) and optimization to consumer information protocols (IIHS, NCAP, and EuroNCAP)

Director, *Systems Performance, CAE & Biomechanics, Takata, Auburn Hills, MI* **2010 - 2012**
Engineering Manager, *Systems Performance & CAE, Takata, Auburn Hills, MI* **2002 - 2010**
N. American lead for the Systems Performance, CAE & Biomechanics Department which delivered restraint system development and numerical simulation expertise to Takata's N. American application engineering and core development teams. Team responsible for restraint system development and numerical simulation during all phases of program development, to ensure compliance to OEM and regulatory requirements (FMVSS, ECE) and optimization to consumer information protocols (IIHS, NCAP, and EuroNCAP).

Senior Project Engineer, *Applications Engineering, Takata, Auburn Hills, MI* **1999 – 2002**
Project Engineer, *Applications Engineering, Takata, Auburn Hills, MI* **1998 – 1999**
Lead Engineer for the 2003 Ford Ranger driver and passenger airbag modules, and 2002 Ford Thunderbird seat-mounted side airbag module. Responsible for the application of core airbag technology on to vehicle programs from business award through start of production.

Product Engineer, *AlliedSignal Safety Restraint Systems / BREED Technologies, Sterling Heights, MI* **1996 – 1998**
Lead Engineer for the 2001 Chrysler PT Cruiser passenger airbag module, and the 1998 & 1999 Chrysler Ram Van passenger airbag modules. Responsible for the application of core airbag technology on to vehicle programs from business award through start of production.

Test Engineer, *AlliedSignal Safety Restraint Systems, Sterling Heights, MI* **1994 – 1996**
Test Engineer for the 1996 & 1998 Chrysler Town & Country/Dodge Caravan/Plymouth Voyager passenger airbag modules. Coordinated all development and design verification testing while ensuring test costs did not exceed pre-established test budget. Responsible for developing test procedures and writing test reports with design recommendations.

Graduate Research Assistant, *University of Virginia, Department of Mechanical Engineering, Automobile Safety Lab, Charlottesville, VA* **1992 – 1994**
Developed 2-year research plan associated with commercial wheelchair restraint crashworthiness as part of Master's program thesis. Developed wheelchair tiedown compliance test as part of Master's Thesis that was used by the Society of Automotive Engineers (SAE) and the International Standards Organization (ISO) in the development of their respective wheelchair tiedown standards.

INDUSTRY OUTREACH

- Automotive Safety Council (ASC) sub-committee representative (multiple years) & Board Member, 2016 to 2018
- SAE Government-Industry Meeting organizer and co-chair, Biomechanics Session, 2014
- SAE World Congress organizer and co-chair, Occupant Restraints Session, 2008 & 2009
- Michigan State University Biomedical Engineering Society seminar on auto crash safety (2010-2012)