

# MARY S. CHRISTOPHERSON



## Specialized Professional Competence

Mechanical engineering with an emphasis on motor vehicles, recreational vehicles and power equipment. Product design, test and manufacture analysis. Field investigation. Occupant safety systems: airbags, seat belts, crash sensors and occupant sensing. Automotive and heavy truck Crash Data Retrieval, data interpretation and event analysis. Mechanical system and component failure analysis. Design, testing, and failure analysis of cars, trucks and vans.

## Professional Background

B.S. (Mechanical Engineering), Michigan Technological University

B.S. (Biomedical Sciences), Western Michigan University

M.S. (Engineering Science), Rensselaer Polytechnic Institute

Engineer,

Talas Engineering, Inc.

Design and Technical Analysis Engineer,

Toyota Motor North American, Inc.

Product Safety Manager,

American Honda Motor Co., Inc.

Sr. Project Quality Engineer,

Nissan Technical Center North America, Inc.

Sr. Product Analysis Engineer,

Honda North America, Inc.

Product Analysis Engineer,

General Motors Safety Center

Engineering Manager

General Motors Truck

Sr. Design Engineer

General Motors Truck

Design Engineer

Allied Signal, Restraints Division

Design, Test and Validation Engineer

General Motors Buick Oldsmobile Cadillac Group

Traffic Accident Reconstruction Certificate, Northwestern University Traffic Institute

Vehicle Fire Investigation Training I completed with a certified NAFI and IAAI instructor

Vehicle Fire Investigation Training II completed with a certified NAFI and IAAI instructor

Seasoned veteran of Crash Data Retrieval and interpretation engineer since 1999

OEM experienced in data retrieval of automotive diagnostics and vehicle system data

### **Professional Membership**

Member, SAE International (Society of Automotive Engineers)

Reception Committee Member, SAE 1991

### **Professional Honors and Awards**

General Motors President's Council Honors

General Motors Boss Kettering award

Published Invention Disclosure - Intellectual Property: 37938