

David W. Clark, P.E.

Troy, Michigan

Education and Certifications

- Master of Science, Mechanical Engineering, Oakland University, Rochester, MI, Cum Laude
- Bachelor of Science, Mechanical Engineering, University of Pittsburgh, Pittsburgh PA, Magna Cum Laude
- Licensed Professional Engineer (P.E.), Mechanical, State of Michigan, License No. 6201056999
- Expert Systems Engineering Professional Certification (ESEP-Acq.), International Council on Systems Engr.
- Lean Six Sigma Black Belt (LSSBB) Certification, Villanova University, Villanova, Pennsylvania
- TEFL Certified — 168-hr TEFL-TESOL (TEFL Masters, Acc. Course 20201216A, UKRLP 10089401)

Professional Experience

President, Adaptive Concepts On-Line Training Program, Troy, Michigan 48084 (07/17 – current)

- Online STEM academic instructor for US citizens and international students enrolled at ASU, Toronto, UMass-Boston, Northeastern, UNC-Charlotte, UT-Dallas, Ohio Northern, Fanshawe, U. Canada West, Pitt, N. Michigan, MCPHS, Red River Polly, Cal. State-Long Beach, IIT-Chicago, Stevens Tech, Texas A&M, Portland State, U. Georgia, U. Michigan-Dearborn, Detroit Mercy and U. Maryland. Consistent 5-star rating from students and faculty for excellence in online education (Riipen.com).

STEM On-Line Tutor, Varsity Tutors, St. Louis, Missouri (10/25 – current)

- Middle School, High School, College, University STEM subjects

Mechanical Engineer, US Army Program Executive Office, Detroit Arsenal, Warren, MI (10/12 – 10/25)

- Combat Vehicle Underbody Blast, Counter-IED Subject Matter Expert
- Robotic Combat Vehicle System Survivability Subject Matter Expert

Technical Specialist, Interiors Engineering, Chrysler LLC, Auburn Hills, MI (2/11 – 10/12)

- Lead engineering design development for advanced Instrument Panel Structures

Senior Systems Engineer, General Dynamics Land Systems, Sterling Heights, MI (6/08 - 2/11)

- Developed advanced crew station concepts for Abrams Army Tank Evolutionary Design

Senior Manufacturing Quality Engineer, Terumo Corporation, Ann Arbor, MI (3/07 - 6/08)

- Supported engineering research, product development and manufacturing of advanced medical devices.

Principal Staff Engineer, Ford Automotive Safety Office, Dearborn, MI (2/01 - 3/07 (VSP))

- Primary Engineering Liaison with US Government Agency - NHTSA for FMVSS 208 Occupant Crash Protection Regulatory Rulemaking.
- Developed Ford Taurus advanced dual-stage airbag inflator to address company-critical safety issues pertaining to airbag deployment-related vehicle occupant injuries. USA and Foreign Patents issued.
- Led the Lincoln LS seat-mounted side airbag product development team to successfully integrate the US first side airbag application. USA and Foreign Patents issued.

Production Design Release Engineer, Ford Inflatable Restraints, Dearborn, MI (7/1992 - 11/97)

- Responsible for production design release of passenger airbag module assembly systems on the F-Series Truck, Expedition, Navigator, Windstar and F-250 Super Duty.

Awards/Patents

- General Motors Scholar – Full Tuition Scholarship based upon academic achievement
- Henry Ford Technology Award from Ford CEO
- Four (4) Army Achievement Medals for Civilian Service
- 4-Star General Pin Award from 4-Star General Via & US Presidential Appointee Heidi Shyu
- 6 US and 11 International Patents