# DERALD HERLING, PH.D., P.E.

Derald Herling, Ph.D., P.E.
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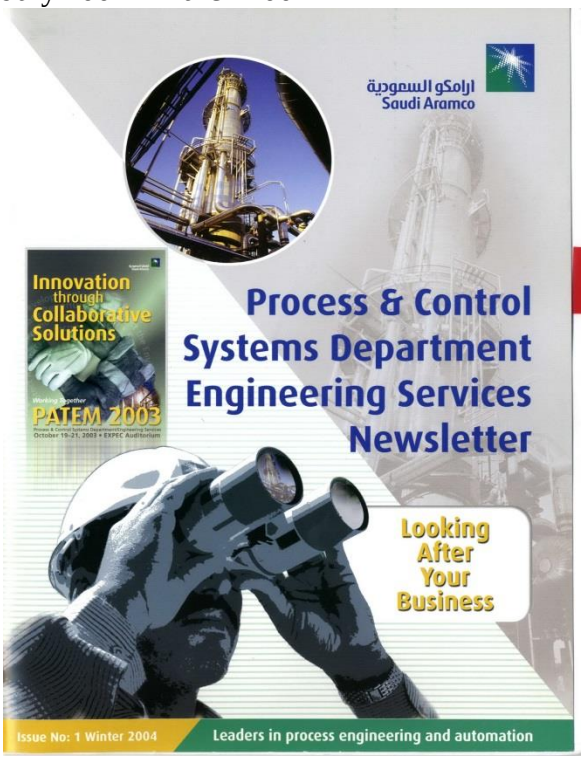
## EDUCATION

| Degree | Major | Institution | Year |
|---|---|---|---|
| Ph.D. | Mechanical Engineering | Oregon State University | 1997 |
| M.S. | Mechanical Engineering (minor – Material Science) | Oregon State University | 1993 |
| B.S. | Mechanical Engineering | Oregon State University | 1973 |
| B.S. | Metallurgical Engineering | Oregon State University | 1973 |

## ENGINEERING SERVICES and CONSULTING

Accident Reconstruction and Failure Analysis, Engineer and Expert witness 2004 to present

Engineering Consultant for international oil company, SAUDI ARAMCO.
July 2001 - March 2004




Failure Analysis and consulting services in support of legal cases for Hayes and Associates.
September 1999 - July 2001

DON RYAN/ASSOCIATED PRESS

Rebecca Newcomb (left) fields questions with her daughter Amber about a legal settlement with White Consolidated Industries, which manufactures washing machines under a variety of brand names. Amber lost part of her right arm in an accident with the 1998 model Westinghouse washing machine (left background). The 1976 model Gibson (right background) has a safety device.

# Mother, girl who lost arm to washer, appeal for recall

*A family settles a lawsuit, and the manufacturer agrees to add a safety switch to new machines*

By WILLIAM McCALL
THE ASSOCIATED PRESS

The U.S. Consumer Product Safety Commission is investigating washing machine safety after a 12-year-old girl who lost her arm urged the agency to recall as many as 10 million machines that lack a safety switch.

Commission officials in Washington, D.C., said the machines remain under scrutiny.

The agency is "aware of the tragic injury to Amber Newcomb" and "is continuing to look into the matter to ensure that the public's safety is not at risk from using these washing machines," said Scott Wolfson, an agency spokesman.

Amber and her mother say a recall is needed.

Under the settlement, White Consolidated Industries is not required to notify consumers of the danger posed by the lack of a safety switch on older models. White is offering to retrofit washers with safety switches, but consumers must pay the cost.

"I thought we were protected because it had a big brand name on it," Rebecca Newcomb said. "But just because a product has a big name on it doesn't mean it's safe."

Amber Newcomb's right arm became tangled in the machine's agitator when, as a 9 year old, she tried to help her mother by loading towels into a washing machine manufactured by White Consolidated Industries Inc., owned by Sweden's Electrolux.

Her attorneys say the machine remained in operation as Amber opened the lid because White had eliminated a safety switch during a design change to cut costs. When she tried to push down the towels to make sure they got wet, her arm became tangled in the machine's agitator.

The girl's arm was broken and twisted several times as she struggled to yank it out. Her parents rushed to her aid after they heard Amber's younger sister screaming. Surgeons tried to reattach the arm but eventually had to amputate it below the elbow. "It's that long moment of horror and helplessness that no parents can ever get out of their minds," said Rebecca Newcomb, Amber's mother.

Tuesday, Amber's parents announced they had settled a lawsuit with White Consolidated Industries, based in Cleveland. Details were not disclosed, but the company will begin installing safety switches Monday on all new washing machines it manufactures, according to William Gaylord, one of Amber's lawyers.

A federal judge acted as mediator in the settlement reached in Multnomah County Circuit Court, but monetary damages were not disclosed, attorneys said.

The brand labels are Frigidaire, Westinghouse, Gibson, Kelvinator and Tappan. The machine that injured Amber had the Westinghouse label.

Tony Evans, an Electrolux spokesman, said Amber's injury was the only serious one reported that involved any of those machines.

He said the design change that eliminated the safety switch was made to add a different switch to lock the lid during the spin cycle, when the washer tub is moving rapidly and considered a danger.

"We very much regret the accident that injured that young lady," Evans said. "But our clothes washers, today and in the past, meet and exceed all applicable safety standards."

But Consumer Product Safety

Assistant Professor, Department of Mechanical Engineering, Oregon State University.
September 1997 - July 2001

Monday November 19, 2001

OREGON STATE UNIVERSITY
MECHANICAL ENGINEERING

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**Derald Herling**

***Assistant Professor***

***Mechanical Design***

B.S. 1973, M.S. 1993, Ph.D. 1997, Oregon State University.

Hewlett Packard, Summer 1994; SAUDI ARAMCO, Shedgum, Saudi Arabia, 1979-1990; Harris Thermal Transfer Products, Newberg, Oregon, 1973-1979; Oregon Cutting Systems Division, Portland, Oregon 1966-1969.

At OSU since 1997.
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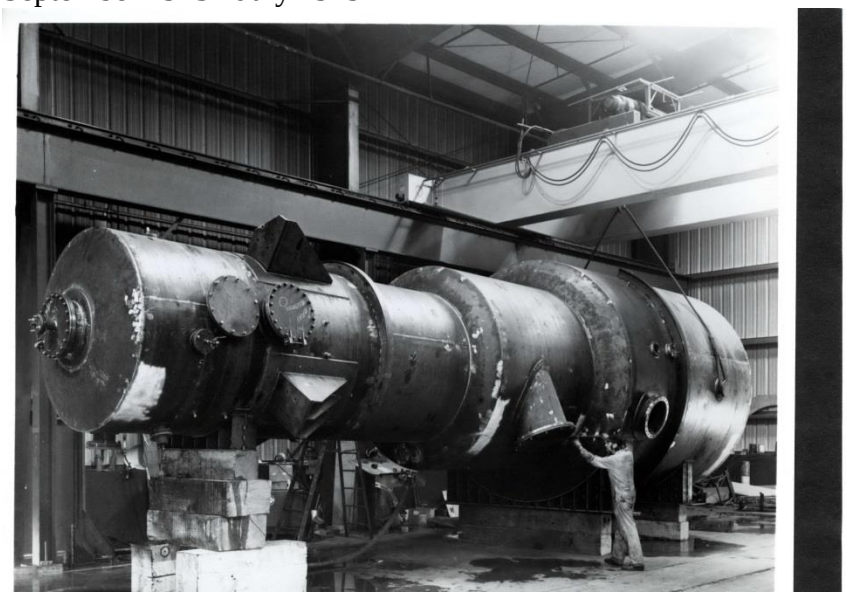
Tel: 541-737-7713
Fax: 541-737-2600
http://www.engr.orst.edu/~herlind
Derald.Herling@orst.edu

**Research Interests**

Current research interests include the decision making processes in mechanical design, the mechanical design process, computers and mechanical desig and biomechanical engineering

Engineering for Shedgum Gas Plant, SAUDI ARAMCO, operations/maintenance/engineering.
July 1979 - September 1990

Chief Engineer, Harris Thermal Transfer Products Inc., heat transfer and ASME pressure vessels.
September 1973 - July 1979



Designer/Draftsman, Blount Inc., Oregon Cutting Systems Division.
June 1966 - September 1969

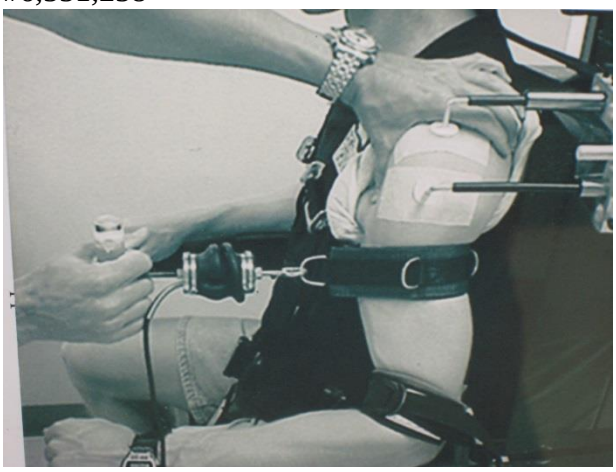
FUNDED PROJECTS and RESEARCH

Skid Characteristics of Single Wheel braking – AFI privately funded project in collaboration with Dr. Dan Metz of Metz Engineering and Racing, December 2004 – present

Title of Project - Saudi Aramco ES Technology Innovation – Programming and commercialization of Saudi Aramco Process Automation Obsolescence Program. Started January, 2004, $285,000. US Copyright registered pending.

Title of Project - Arthrometric Evaluation of Glenohumeral Joint Laxity and Stiffness in Patients with Documented Shoulder Instability - JOHN C. ERKKILA, M.D. ENDOWMENT FOR HEALTH AND HUMAN PERFORMANCE. Primary Investigator. Completion December, 2000.

Title of Project - Arthrometric Evaluation of Shoulder Laxity Using a 3-D Spatial Tracking System - JOHN C. ERKKILA, M.D. ENDOWMENT FOR HEALTH AND HUMAN PERFORMANCE. Co-Primary Investigator. Herling/Borsa/Sausers United States Patent #6,551,258



Completion March, 2000.

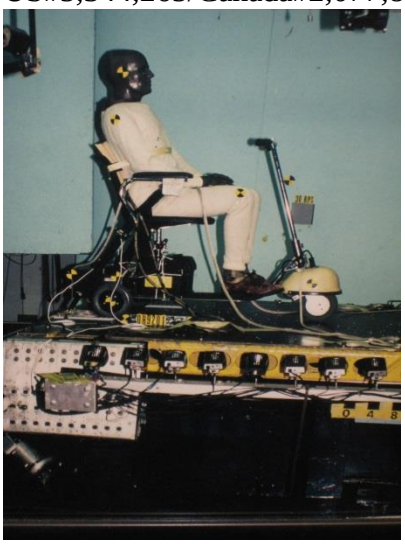
ACADEMIC POSITIONS

Assistant Professor, Department of Mechanical Engineering, College of Engineering, Oregon State University
BIOE 499/599: Biomechanics (new course for Fall 2000)
ME 413/513: Computer-Aided Design (Pro/Engineer ver. 18 and SmartCam)
ME 412/512: Kinematic Design of Linkages (ADAMS ver. 9.0)
ME 383: Mechanical Component Design
ME 382: Mechanical Design Process
ME 306: Projects/Introduction to Pro/E
ENGR 248: Graphics and 3D Modeling (Pro/Engineer ver. 2000i)
ENGR 213: Engineering Mechanics, Strength of Materials
ENGR 212: Engineering Mechanics, Dynamics
ENGR 211: Engineering Mechanics, Statics
September, 1997 – July, 2001

Adjunct
Assistant Professor, Department of Exercise and Sports Science,
College of Health and Human Performance, Oregon State University
January, 2000 – July, 2001

Graduate Teaching Assistant, Oregon State University
ENGR 213: Engineering Mechanics, Strength of Materials.
September, 1996 - 1997

Graduate Research Assistant, Oregon State University
Doctorate research work funded under National Science Foundation Grant: "Engineering Decision Support System".
Design engineering experience: Mobility Aid Securement System for transit vehicles, Patents US#5,344,265/Canada#2,077,879.



September, 1990 - September, 1996

## SPECIAL ACADEMICS

International Degree Advisor – Jerrod Peterson, Mechanical Engineering Thesis, expected graduation 2001 (http://osu.orst.edu/international/oie/idp/profiles/jerrodpeterson.html )

## CONSULTING ENGINEERING

Biomechanics for Hayes and Associates, Wilson C. 'Toby' Hayes, Ph.D. Principal – Expert Witness and Consulting Services in Biomechanics. (http://www.hayesassoc.com)
September, 1999 – July 2001

NON-ACADEMIC POSITIONS

Engineering Consultant, Process Control Division/P&CSDept., Engineering Services (ES)
SAUDI ARAMCO, Dhahran, Saudi Arabia
Responsibilities include Process Automation Focus Team Leader and leadership for ES Technology under the Research and Development Center Dept., Department Technology Coordinator, Engineering Computing Resource Center, and Company wide Innovation leadership.
July 2001- March 2004

Special Project Engineer, Oregon State University
Data gathering for Ink Jet Business Unit of Hewlett Packard, Corvallis plant, for newest assembly line equipment.
Summer 1994

Specialist Unit Supervisor (executive engineering management position)
SAUDI ARAMCO, Shedgum Gas Plant Department, Dhahran, Saudi Arabia
Management experience: Maintenance Division supervisory, Engineering Division Inspection-Corrosion Unit supervisor, Engineering Division Specialist Unit supervisor.
Design engineering experience: Present at Shedgum (one of the world's largest gas plants) during the last stages of construction, through start-up, and operation. Engineering specialist responsible for mechanical/piping/rotating equipment.
(http://www.saudiaramco.com/frm_Operation.html)
July 1979 - September 1990.

Chief Engineer, Harris Thermal Transfer Products Inc., Newberg, Oregon
Management experience: Chief Engineer and supervisor of graduate engineers.
Design engineering experience: Designed heat exchangers and pressure vessels to ASME and TEMA codes. Design of pressure vessels, mechanical components of heat exchangers, and thermal design of heat transfer equipment. Designed waste heat recovery equipment. Sales engineering work included some in-plant waste heat recovery analysis and heat exchanger trouble shooting. (http://www.harristhermal.com/gallery.htm)
September 1973 - July 1979.

Designer/Draftsman, Blount Inc., Oregon Cutting Systems Division, Portland, Oregon
Design engineering experience: Worked in Equipment Design Section of Plant Engineering. Design work on small-part, high-volume production, assembly machines.
(http://www.teleport.com/~ocsdchn/)
June 1966 - September 1969.

## PROFESSIONAL ACTIVITIES

### Registration
Registered Professional Engineer (Mechanical), State of Oregon #9800

### Professional Societies
Society of Automotive Engineers (SAE)

Past
American Society of Mechanical Engineers (ASME)
Forensic Accident Reconstructionists of Oregon (FARO)
National Fire Protection Association (NFPA)
American Society for Testing and Materials (ASTM)

### Professional Recognition
ASME International – Region VIII & Oregon State University Awards Certificate, April 2001 Regional Student Conference.

Top Prof OSU Mortar Board 1999-2000 ( http://osu.orst.edu/groups/mortarboard/TopProf.htm )

Engineering Judge -1999 & 2000 Best Product of the Year for *Design News* magazine.
( http://www.manufacturing.net/magazine/dn/archives/1999/dn1206.99/products.html )

Sam Graf Scholarship from the Department of Mechanical Engineering, Oregon State University, amount $1,000. 1997

First Place Paper Presentation in the field of Engineering at the Graduate Conference awarded from the College of Engineering, Engineering Decision Support System (EDSS), Oregon State University, Corvallis, Oregon April 28, 1995

Best Session Paper - Using a Structured Design Methodology for Designing a Securement System for Mobility Aids on Public Buses: Proceedings of Graduate Congress 93, Oregon State University, Corvallis, Oregon, April 25, 1993.

Project Action Scholarship from the Easter Seals Foundation via the Oregon State University Transportation Research Institute, amount $1,000. 1992

### Committees, Commissions, and Boards
- Board of Directors and Corporate Secretary - Mission Builders International: part of YWAM (Youth with a mission), Colorado Springs, CO. 1997 - 2000
- Represent the department as a Graduate Student Senator 1995/96
- School year 1994/95 Oregon State University Department of Mechanical Engineering Graduate student representative to the mechanical engineering department.
- ARAMCO school board member 1986-88

Text Book reviews

- Review Pro/ENGINEER tutorial books from various publishers (1998,1999,2000,2001)

PUBLICATIONS

Books

Analysing Design Activity, edited by N. Cross, H. Christiaans, K. Dorst. John Wiley & Sons, 1996. Chapter 8 - Analysis of Protocol Data to Identify Product Information Evolution and Decision Making Process by D. Ullman, D. Herling, A. Sinton.

Articles

Realistic Rear Axle Hydroplaning during Forward Motion – SAE publication 2006-01-1560, L.D. Metz, J.R. Kinney, D. Herling

Integrating Engineering and Global Competencies: A Case Study Illustrating Oregon State University's International Degree Program, Derald Herling, Andrea Herling, Jerrod Peterson, October 10 - 13, 2001 Reno, NV 31th ASEE/IEEE Frontiers in Education Conference.

Patterns of Glenohumeral Joint Laxity and Stiffness in Healthy Males and Females. Med Sci Sports Exerc. (accepted for publication - in press expected in October 2000) Borsa PA, Sauers EL, Herling DE. (http://www.ms-se.com)

In Vivo Assessment of AP Laxity in Healthy Shoulders, Journal of Sports Rehabilitation vol. 8 num. 3, 157-170: 1999. Borsa PA, Sauers EL, Herling DE.
(http://www.humankinetics.com/products/journals/showarticle.cfm?articleid=8239&journalid=JSR)

Instrumented Arthrometry Reveals Increased Sagittal Plane Glenohumeral Joint Laxity in Females. J Athl Train. 1999;34(2):S-82. Sauers EL, Borsa PA, Herling DE.

What to Do Next: Using Problem Status to Determine the Course of Action, Research in Engineering Design (1997) 9: 214-227. David G. Ullman, Derald Herling, Bruce D□Ambrosio, Oregon State University.

Conference Proceedings

1995 American Society of Mechanical Engineers (ASME) Design Engineering Technical Conferences, September 17-21, 1995 Boston Massachusetts, USA. Engineering Decision Support System (EDSS). Vol 2. 1995 pp 619-626. Derald Herling, David G. Ullman, Bruce D'Ambrosio, Oregon State

Reports and Others

Poster presentation Gender differences in AP laxity and stiffness of the glenohumeral joint. American Academy of Orthopaedic Surgeons 67th Annual Meeting, March 15-19, 2000. Sauers EL, Borsa PA, Herling DE, Stanley R.
(http://www.aaos.org:80/cgi-bin/print_hit_bold.pl/wordhtml/anmt2000/poster/pe261.htm?gender#first_hit)

ICED Engineering Decision Support System, David G. Ullman and Derald Herling WDK23 Proceedings of 10th International Conference on Engineering Design (ICED) August 22-24, 1995 Praha, Czech Republic, Edition HEURISTA 1995, Volume 2, page 714

Analyzing Design Activity - The Delft Protocols Workshop Analysis of Protocol Data to Identify Product Information Evolution and Decision Making Process, Delft Workshop on Protocol Analysis, September 1994, Delft, The Netherlands. David G. Ullman, Derald Herling, Alex Sinton, Oregon State University.

Paper presentation: Pen Based Computing in the Engineering Office of the Future: The American Society of Mechanical Engineers (ASME) 5th Northwest International Region VIII Graduate Student Technical Conference May 13-14, University of British Columbia, Vancouver, BC Canada.

OTHER PROFESSIONAL

- Attended Design Theory and Methodology Conference, The American Society of Mechanical Engineers (ASME), Las Vegas, Nevada, September, 1999
- Professional Engineering Exam Proctor, October, 1994 Salem Oregon
- Attended 5th International Conference on Design Theory and Methodology, The American Society of Mechanical Engineers (ASME) Albuquerque, New Mexico September 19-22, 1993
- Attended 2nd Annual Pen Expo Conference, San Francisco, CA January 25-29, 1993

Presentations

- Process Automation Technical Exchange (PATEM) 2002 – Knowledge Capture During MVC Installation, Basim Shahrani, Derald Herling, Hussain Busaleh, Abdallah Hazani. October 27-29, 2002, Saudi Aramco EXPEC Auditorium, Dhahran, Saudi Arabia.
- Process Automation Technical Exchange (PATEM) 2001 – Roundtable Panelist for Advanced Process Control. November 11-13, 2001, Saudi Aramco EXPEC Auditorium, Dhahran, Saudi Arabia
- Engineering Design System Support (EDSS) Computer Science Colloquium: April 26th, 1995 Department of Computer Science, Oregon State University, Corvallis, Oregon
- National Science Foundation Design and Manufacturing Grantees Conference, University of California at San Diego, The Instituted for Mechanics and Materials, La Jolla, California January 4-6, 1995: Engineering decision Support System (EDSS) presentation of our work-in progress via a poster presentation

Professional Growth

- Engineering Dynamics Corp. , EDC – 2013 HVE Forum, San Diego, CA, March 213, 36 class hours
- SAE Course ID# C1022, Accessing and Interpreting Heavy Vehicle Event Data Recorders Seminar, Oxnard CA October 23-26, 2012 and 2016


- FARO – February 2012 Conference, Motorcycle Accident Reconstruction with case studies, Salem Oregon, February 24, 2012 5 ½ class hours
- Engineering Dynamics Corp. – EDC Reconstruction - EDCRASH program, January 23-27, 2012, Burbank CA 4 ½ days
- Lehigh Microscopy School – Lehigh Univ. Whitaker Lab Bethlehem, PA, Scanning Electron Microscopy (SEM) and X-Ray Microanalysis, June 2011, 6 CEU
- English XL Variable Incident Tribometer Program, LAX, June 2010 (6 hrs)
- NFPA Seminar, 921 Guide for Fire and Explosion Investigation, Quincy, Massachusetts, April 2010, 1.4 CEU
- SAE 2010 World Congress, Detroit, Michigan, April 2010 (14 hours)
- TEAM Oregon motorcycle training, July 15-21st 2009, Salem OR (16 hrs)

- SAE Professional Development Program, Commercial Vehicle Braking Systems, Detroit, MI, December 3-5th, 2008 (18 hrs – 1.80 CEU)
- Current Aspects and Reconstruction Application Techniques of CDR Data and Current ECM Retrieval Guidelines and Data Information, FARO Hillsboro, OR October 23, 2008 (6hrs)
- Accident Reconstruction at Traffic Signal Intersections and Forensic Analysis of Seat Belts & Occupant Kinematics, FARO Hillsboro, OR May 8-9, 2008 (8 hrs)
- SAE 2008 World Congress, Detroit, Michigan, April 2008 (24 hours)
- Crash Data Retrieval (CDR) Data Analyst Course, Collision Safety Institute, Seattle, WA., November 2007, (40 hours)

- Arc Flash Protection and Electrical Safety, American Trainco, Portland, OR., September 2007, (16 hours)
- SAE 2007 World Congress, Detroit, Michigan, April 2007 (24 hours)
- Spring 2006 FARO 3D Diagramming Software for Collision Investigators, Seminar, April 21, 2006 (6hours)
- SAE 2006 World Congress, Detroit, Michigan, April 2006 (24 hours)
- Summer 2006 FARO Validation of Pedestrian-Bicyclist/Vehicle Crash Scene Formulas, August 1/2, 2006 Salem, Oregon (14 hours)
- Fall 2005 WATAI Conference, Crash Testing, Seattle, Washington, October 10th & 11th, 2005 (16 hours)
- FARO Annual Summer Conference, Drag Factor & Coefficient of Friction Validation Testing, Hillsboro, Oregon, August 26th, 2005 (6 hours)
- SAE World Congress, Detroit, Michigan, April 11-14th, 2005
- SAE Professional Development Program, The Tire as a Vehicle Component, April 13th, 2005, Detroit, Michigan (1.3 CEU)
- BioMechanics in Vehicle Collisions: Developing a model of injury based on human tolerances, FARO 2005 Spring Conference, Eugene, Oregon April 8th&9th, 2005 (14 hours)
- Vehicle Accident Reconstruction Methods, SAE Professional Development Center, Detroit, Michigan, December, 2004 (1.3 CEU = 18 hours)
- Core Competencies Course - Society for Organizational Learning (SoL). Boston, Massachusetts, September 22-26, 2003. (40 hours)
- Managing for Innovation – Saudi Aramco Career Development Dept. Dhahran, Saudi Arabia, August 4th, 2003 (7 hours).
- Team Alignment Process Facilitators training – Saudi Aramco Leadership Center. Dhahran, Saudi Arabia, May 13th, and June 3rd, 2003. (16 hours)
- ARC Advisory Group – Driving Operational Excellence Forum – Collaborative Manufacturing and Supply Chain Strategies. Boston, Massachusetts, September 17-18, 2002. (12 hours)
- Process Design and Implementation – Reengineering and Change Management, Michael Hammer and Company. Cambridge, Massachusetts, October 22-25, 2001 (24 hours).
- ADAMS Basic software training course for use in kinematics course (ME412/512), Ann Arbor MI, August 1997 (34 hours)
- ProE Basic software training course for use in CADD course (ME413/513), Portland OR, July 1997 (36 hours)
- American Society of Mechanical Engineers, 1995 ASME Design Engineering Technical Conference, Boston, Massachusetts, September 17-21, 1995 (21 hours)
- 10th International Conference on Engineering Design, ICED95, Praha, Czech Technical University, Praha, Czech Republic, August 22-24, 1995 (21 hours)
- Graduate Congress 93, Oregon State University, Corvallis, Oregon April 25, 1993 : Paper 'Using a Structured Design Methodology for Designing a Securement System for Mobility Aids on Public Buses'. Best Paper Award for Session V
- 4th ASME NORTHWEST International Region VIII Graduate Student Technical Conference: Oregon State University, Corvallis, Oregon April 24, 1993 : Paper 'Using a Structured Design Methodology for Designing a Securement System for Mobility Aids on

Public Buses'.

- Pen Expo for pen based computers: San Francisco, California February, 1993 (24 hours)
- American Society of Mechanical Engineers (ASME), Design Technical Conference, Albuquerque, New Mexico September 1993 (16 hours)
- ASME Computers in Engineering Conference and Exhibit, New York City, August, 1987 (30 hours).
- Chemshare CAE DESIGN II program for chemical engineering simulation, Abqaiq, Saudi Arabia, February, 1987 (21 hours).
- 3COM Local Area Network software training, Abqaiq, Saudi Arabia, August, 1986 (21 hours).
- Simulation Science, Inc. "PROCESS" Chemical Engineering Computer Course, Abqaiq, Saudi Arabia, January, 1985 (36 hours).
- AAA Technology TRIFLEX - piping design and analysis computer program and seminar, Abqaiq, Saudi Arabia, January, 1984 (30 hours).
- Gas Conditioning and Processing, from John M. Campbell, Abqaiq, Saudi Arabia, October, 1984 (70 hours).
- Gas and Liquid Sweetening course from John M. Campbell, Abqaiq, Saudi Arabia, October, 1979 (35 hours).
- American Society of Metals (ASM) Metals Engineering Institute - Principles of Failure Analysis, Abqaiq, Saudi Arabia, August, 1983 (35 hours).
- National Association of Corrosion Engineers (NACE) - Corrosion Prevention by Cathodic Protection course, Abqaiq, Saudi Arabia, November, 1982 (35 hours)
- NACE Corrosion Prevention by Coatings course, Abqaiq, Saudi Arabia, February, 1982 (35 hours)
- NACE Basic Corrosion Course, June, Abqaiq, Saudi Arabia, 1981 (35 hours)
- Oil field Water Injection Systems course from C. C. Patton and Associates, Abqaiq, Saudi Arabia, October, 1981 (35 hours)
- Elliott Compressor Refresher Course, Abqaiq, Saudi Arabia, January, 1980 (30 hours)
- Borg-Warner Mechanical Seal Course, Abqaiq, Saudi Arabia, October, 1979 (20 hours)
- Heat Exchanger Design with Computers course, given by B-JAC Computer Services, Inc., Midlothian, Virginia, February, 1977 (24 hours)
- An Introduction to Nondestructive Testing course, conducted by Portland section, American Welding Society, Portland, Oregon, November, 1976 (8 hours)
- 16th National Heat Transfer Conference of ASME, AIChE, CSME, CSCE, St. Louis, Missouri, August, 1976 (10 hours)
- Heat Transfer Research, Inc. Semiannual meeting, St. Louis, Missouri, August, 1976 (10 hours)
- Welding Techniques and Safety forum, conducted by Portland section, American Welding Society, Portland, Oregon, November, 1974 (4 hours)
- Arabian American Oil Company (ARAMCO) management courses:
  Effective ARAMCO Supervisor (30 hours)
  Time Management (21 hours)
  Writing Workshop (21 hours)
  Decision Making and Problem Analysis (21 hours)

Project Economics and Investment Evaluation (18 hours)
Coaching and Counseling (14 hours)

- Small Business Administration seminar, Abqaiq, Saudi Arabia, 1984 (20 hours)
- Management Seminar, conducted by Dale Carnegie and Associates, Portland, Oregon, December, 1976 (60 hours)

Service

2001

- ASME Student Section Advisor – Regional Student Conference hosted here in April 2001
- Fundamental Engineering exam lecture for Strength of Materials section – February, Corvallis, Oregon
- Student advisor
- ASME student chapter faculty advisor
- Faculty advisor for senior design team within the ME department for Exercise and Sports Science projects in H&HP college

2000

- ASME Regional Student Conference, RSC 2000, Spokane Washington March 7,8,9; Faculty Advisor
- Fundamental Engineering exam lecture for Strength of Materials section – February, Corvallis, Oregon
- Freshman student advisor
- ASME student chapter faculty advisor
- Faculty advisor for senior design team within the ME department for Exercise and Sports Science projects in H&HP college
- DiVinci days Kinetic sculptor race Head Engineering judge, Corvallis, Oregon

1999

- Co-major advisor for doctoral candidate in Exercise and Sports Science
- Faculty advisor for senior design teams within the department
- Mechanical Engineering International Degree (second BA degree) Student Advisor
- Fundamental Engineering exam lecture for Strength of Materials - Corvallis, Oregon
- Mechanical Engineering Department representation at Beaver Open House
- SAE Portland visit, ASME Corvallis Hewlett Packard plant visit
- Freshman student advisor
- ASME student chapter faculty advisor
- DiVinci days Kinetic sculptor race judge, Corvallis, Oregon

1998

- Faculty advisor for senior design teams within the department
- DiVinci days Kinetic sculptor race judge, Corvallis, Oregon
- Society of Automotive Engineers, SAE, Mini Baja race faculty advisor, El Paso, Texas