

Donn N. Peterson, PE, D-IBFES
Consulting Mechanical Engineer in Forensic Practice
PETERSON ENGINEERING, INCORPORATED
P.O. Box 664
Brainerd, Minnesota 56401-0664

FORMAL EDUCATION

HIGH SCHOOL:	Northwood, North Dakota	Diploma	1959
COLLEGE:	University of North Dakota	B.S.M.E.	1963
	University of Minnesota	M.S.M.E.	1972
		Ph.D. Candidacy	1974
OTHER:	General Electric Company	C-Course Certificate	1966

PROFESSIONAL

MEMBERSHIPS:	National Society of Professional Engineers	NSPE
	Minnesota Society of Professional Engineers	MNSPE
	National Academy of Forensic Engineers	NAFE
	American Society of Mechanical Engineers	ASME
	Society of Automotive Engineers	SAE
	American Academy of Forensic Sciences	AAFS
	American Society for Testing and Materials	ASTM
	International Board of Forensic Engineering Sciences	IBFES
	Rotary Club of Brainerd	

OFFICES:	ASME - MN Section - <i>Treas., Secretary, Vice Chair</i>	1976-1979
	- <i>Chairman, Director</i>	1979-1982
	- National - <i>Agenda, Nominating Comm.</i>	1981-1987
	MNSPE- TL Chapter - <i>Vice President, President</i>	1982-1984
	PEPP – Minnesota - <i>Sec/Treas, Vice-President</i>	1985-1987
	- <i>President</i>	1987-1988
	AAFS - Engrg. Sect. - <i>Secretary</i>	1988-1989
	- <i>Chairman</i>	1989-1990
	ASTM – E30.05 S.C. - <i>Chairman</i>	1989-1995
	NAFE - <i>Vice President</i>	1996
	- <i>Senior Vice President</i>	1997-1998
	Rotary Club of B.P. - <i>President</i>	1995-1996
	IBFES d/b/a IBFES - <i>President</i>	2004-2012

AWARDS:	ASME - Young Engineer of the Year	1976
	NAFE – Fellow	1986
	AAFS – Fellow	1987
	AAFS – Founder’s Award	1991
	Marquis – Who’s Who in Science & Engineering	1994 -2013
	Rotary Club of Brklyn. Pk. – Rotarian of the Year	1992, 2005
	Rotary Club of Brainerd – Rotarian of the Year	2013

REGISTRATION:	Registered Professional Engineer	
	<i>Minnesota Registration Number:</i>	10107
	<i>Wisconsin Registration Number:</i>	30136
	<i>Ohio Registration Number:</i>	E-033740

CERTIFICATION:	Certified Diplomate	
	Forensic Engineering Sciences by IBFES	D-014
	Forensic Engineering by NAFE for CESB	F-239

TEACHING EXPERIENCE

G.E. EDUCATION PROGRAM:	P.E. Exam Review, Math Modeling	1968,1969
U of MN M.E. DEPARTMENT:	Machine Design, Systems Analyses	1971-1973
	Senior laboratories	1972-1973
U of MN EXT. DIVISION:	P.E. Exam Review Lectures	1972-1973
	Forensic Engineering Lectures	1999-2001,2004
MN REG. BOARD SEMINAR:	Professional Responsibility	1980
MTLA/MAJ – CLE SEMINARS:	Mock Trial Expert Witness	1982
	Automotive Accident Case Speaker	1985
	Demonstrative Evidence – 3D Animations	1994
	Slip/Trip/Miss and Fall Cases	2009
MIDWEST ENGR CONF & EXPO	Forensic Consulting Seminars	1990,1991
NAFE SPECIAL SEMINAR	Demonstrative Evidence by Computers	1998
AAFS SPECIAL SEMINAR	Engineering Testimony and Lay Witnesses	2005

INDUSTRIAL EXPERIENCE

GENERAL ELECTRIC COMPANY	– Aircraft Engine Group	1963-1970
DUTIES:	mathematical modeling and dynamic analyses of jet engine and control systems, design of control schedules, specifications and analyses of test programs, and trouble shooting.	

CONSULTING EXPERIENCE

DONN N. PETERSON & ASSOCIATES	Sole Proprietorship	1971-1974
DONN N. PETERSON & ASSOCIATES, INC.	Small Business Corp.	1974-1985
PETERSON ENGINEERING, INC.	Small Business Corp.	1985-Pres.

PURSUIITS: Failure Analyses and Product Evaluations
Crash Analyses and Accident Reconstructions
Mathematical Modeling and Computer Simulations
Slip/Trip/Miss and Fall Examinations
Fire and Explosion Investigations
Expert Witness Testimonies

CLIENTS: Attorneys – Plaintiff, Defense, and Subrogation
Insurance Companies and Adjusting Firms
Consultants, Industrial Firms, and Consumers

MAJOR ADDRESSES:

ASME - Minnesota Section	“Product Liability”	1979,1980
PEC – Minnesota	“Forensic Engineering”	1984,1994
SOC. of WOMEN ENGRS.	“Forensic Engineering”	1987
MNSPE – T L Chapter	“Forensic Engineering”	1989
INNS of the COURT	“Demonstrative Evidence”	1994,1995
ROTARY CLUBS	“ForensicEngineering”	93,94,95,98,04,06,07,08,09
NAFE and MNSPE	“3-D Computer Animations”	1995,1998
NAFE and IOWA PROJ	“3-D Math Model for Whiplash”	1996
NAFE	“3-D Math Model for Vehicle Simulation”	1997
AAFS – Last Word Society	“Dymaxion (3-Wheel Auto) Dynamics”	1998
AAFS – Breakfast Seminar	“School Bus Crash: The Rest of the Story”	2010
CEAM – City Engineers	“Forensic Engineering: What’s It Take?”	2011
SAE – Twin Cities Sect.	“Bias and Error in a High Profile Case”	2012
INCOSE – Twin Cities Sect	“Bias and Error in a High Profile Case”	2013

PUBLICATIONS:

“3-D Animations for Litigation of Highway Accidents”	NAFE Journal	JUN 1995
“Mathematical 3-D Model for Whiplash Simulations”	NAFE Journal	DEC 1996
“3-D Math Model for Vehicle Dynamics Simulation Including Effects of Tires, Suspensions, and Terrain”	NAFE Journal	DEC 1998

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