



Robert F. Semmens, P.E.

Robert Semmens, P.E. founded Semmens & Associates, Inc. in 1978. He has more than 30 years of experience as a design engineer, design-build contractor, and sub-contractor constructing large-scale projects such as hotels, high-rise complexes, office buildings, schools, shopping centers, casinos, parking garages, bridges, and various government projects throughout the Southwestern United States as well as Washington and Alaska. As a result, he has developed a very unique and thoroughly extensive understanding of complex structural as well as civil projects.

As a licensed Professional Engineer in 49 states plus District of Columbia, Robert Semmens has provided civil, environmental, structural engineering and design services throughout the United States, consulting on major special projects including hotels, high-rise complexes, hospitals, and apartment complexes.

In the late 1980's, largely because of his extensive background and experience, Mr. Semmens was often contracted by large insurance firms to provide a neutral, third-party expert opinion on a wide variety of system, component, construction, building, and other failures, which had resulted in claimed losses. By applying a unique combination of professional engineering expertise coupled with three decades of design/build construction experience, he became extremely proficient at unraveling the technical mysteries of accidents and failures that lead to insurance claims, very often affording clients the opportunity to subrogate losses. Knowledge of the tremendous success at saving insurers many, many thousands of dollars spread, Semmens Engineering's reputation for excellent performance grew.

In 1988, with so many requests coming in for investigative expertise, Mr. Semmens decided to focus all of his firm's resources on servicing the demand for Investigative Engineering. Since that time, Mr. Semmens has dedicated his full energies to applying his practical and professional skills exclusively to reconstructing the events that give rise to property, casualty, auto, personal injury, trucking, environmental, product failure, liability, etc. This includes, mitigating the consequences of these claims, and effecting rapid, cost-effective repair strategies for the insurance industry and attorney's.

Mr. Semmens (S.I.E.) is frequently retained to investigate and prepare reports on a wide variety of subjects, including automobile mechanical system failures, product liability, subrogation claims, fire and arson investigations, vehicle fire investigations, "low speed" auto accidents, brake failures, tire failures, truck accidents, slip and fall analysis,

structural failures, environmental issues, indoor air quality, mold/fungi, lightning claims, mechanical, electrical, roofing, plumbing reviews, and many other areas. Mr. Semmens has extensive experience in arbitration proceedings, court testimony, and expert witness testimony. He is approved to testify with regards to insurance claims.

EDUCATION

Pacific Lutheran University Tacoma, Washington	M.B.A.	1969-1973
Arizona State University Tempe, Arizona	Engineering/Bus. Admin.	1963-1965
University of Michigan Ann Arbor, Michigan	Civil Engineering Degree	1957-1960
Flint Junior College Flint, Michigan	Associates Degree	1955-1957
Michigan State University E. Lansing, Michigan	Civil Engineering	1954-1955

CONTINUING EDUCATION COURSES/SEMINARS/CLASSES

The College of Engineering University of Wisconsin Technical Fundamentals for the Fire Investigator	Madison, Wisconsin 4/15-4/17, 1991
Association of Certified Fraud Examiners Western States Fraud Conference	Phoenix, Arizona 11/93
Investigative Engineer's Association, Inc. Accident Reconstruction (20 Hrs) Practice Management (8 Hrs)	Ft. Lauderdale, Florida 4/94
Investigative Engineer's Association, Inc. Accident Reconstruction (3 Hrs) Practice Management (8 Hrs) Photographic Evidence (3 Hrs) New Technologies (2 Hrs) Product Liability (3.5 Hrs)	Ft. Lauderdale, Florida 4/95
Investigative Engineer's Association, Inc. Accident Reconstruction (13 Hrs) Ft. Lauderdale, Florida Environmental Issues (6.5 Hrs) Soft Tissue Issues (3 Hrs)	Ft. Lauderdale, Florida 4/10/96-4/13/96

OSHA Requirements (1.5 Hrs)

S.A.T.A.I Low Speed Impact Dynamics/Human Factors/PC Crash Presentation	Las Vegas, Nevada 3/29 - 3/30, 1996
S.A.T.A.I. Staged Collision Sequence/Airbags and Restraint Systems/Low-Speed Impacts/Motorcycle Reconstruction	Phoenix, Arizona 7/96
Diversified Fire & Safety Fire and Arson Investigations	3/98
International Association. of Special Investigations Unit Insurance Fraud Investigations	Dallas, Texas 9/99
University of California, San Diego School of Medicine Biomechanical	San Diego, California 10/23/99 & 10/24/99
Society of Automotive Engineers Motor Vehicle Accident Reconstruction	11/5/99 - 11/7/99
Strategies for Conducting Microbial IAQ Examination	4/26/01 – 4/27/01

EMPLOYMENT

Semmens Investigative Engineering, L.L.C. Scottsdale, Arizona	General Partner	1993-
Semmens & Associates, Inc. Phoenix, Arizona	President & Principal Engineer	1978-1993
T-Pac Division, The Tanner Co's. Phoenix, Arizona	Vice President	1972-1978
Concrete Technology Corp. Tacoma, Washington	Chief Project Engineer	1968-1972
Arizona Sand & Rock Phoenix, AZ	Chief Engineer	1967-1968
Adam, Hamlyn & Anderson	Design Engineer	1964-1967

Phoenix, Arizona

Arizona Highway Department Phoenix, Arizona	Design Engineer	1964
Westernair Sales Corp. Phoenix, Arizona	Design Engineer	1963-1964
C.R. Magadini Sales Corp. Phoenix, Arizona	Design Engineer	1962-1963
County of Los Angeles Los Angeles, California	Engineer Trainee, Bldg. Dept.	1960-1961

INSTRUCTOR EXPERIENCE

Investigative Engineer's Association, Inc. Ft. Lauderdale, Florida

“Environmental Issues” and “Preparing for Court Testimony”
4/10/96 – 4/13/96

“”Report Format”, “Subrogation Claims”, “Upcoding and Betterment”, “Scope and Damages”, “Mitigation Measures”, “Cost Control Measures”, “Cause and Origin”, “Replacement Costs”
1/24/97, 6/13/97, 1/23/98, 5/25/98, 6/5/98, 7/31/98, 8/28/98, 9/18/98, 11/18/98, 1/22/99, 5/7/99, 6/19/99, 7/9/99, 8/27/99, 11/19/99, 1/28/00

Semmens Investigative Engineering, L.L.C.

Auto Seminar for Insurance Professionals Side Impact & Air Bag Systems, Auto Fatality & Speed Injury Defense, Vehicle Fires	Scottsdale, Arizona 5/20/98
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Property Seminar for Insurance Professionals Storm Damage Case Studies	Scottsdale, Arizona 9/30/98
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Auto Seminar for Insurance Professionals Side Impact & Air Bag Systems, Auto Fatality & Speed Injury Defense, Vehicle Fires	Phoenix, Arizona 12/9/98
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Auto Seminar for Insurance Professionals Tire Failure, Headlight Invest., Brake Systems Failure Analysis	Phoenix, Arizona 5/12/99
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Auto Seminar for Insurance Professionals Tire Failure, Headlight Invest., Brake Systems Failure Analysis	Tucson, Arizona 6/9/99
Property Seminar for Insurance Professionals Water Loss Case Studies	Phoenix, Arizona 9/22/99
Property Seminar for Insurance Professionals Mold Contamination	Phoenix, Arizona/Tucson, Arizona 2/16/00 2/23/00
Mold: Origin, Cause and Remediation	Phoenix, Arizona 10/5/01 and 10/6/01 10/19/01 and 10/20/01

PROFESSIONAL AFFILIATIONS

National Fire Protection Association (N.F.P.A.)	Member
Society of Automotive Engineers (S.A.E.)	Member
American Society of Testing and Materials (A.S.T.M.)	Member
International Association of Arson Investigators (I.A.A.I.)	Member
Southern Assoc. of Technical Accident Investigators	Member
Investigative Engineer's Association	Western Reg. Advisor
Becker Investigative Engineering	Western Reg. Advisor
City of Phoenix Building & Safety Advisory Board	Chairman – 1986
Arizona State Board of Technical Registration	Advisory Member
City of Phoenix Building Foundation Committee	1986-1987
Western States Council of Structural Engineers	Past Chairman
P.C.I. Industry Code Committee	Past Member
S.E.A. of Arizona	Past Member
S.E.A. of California	Past Member
Structural Engineers Assoc. of Arizona	President 1978-1979
American Indoor Air Quality Council	Member
American Indoor Air Quality Council	Board Member
A.I.A.Q. Council Certified Microbial Consultant	