

## RESUME

**Robert M. Koerner, Ph.D., P.E., NAE**

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### I. Personal

Date of Birth: December 2, 1933  
Married: Wife – Pauline W. Feuerer  
Children – Michael R. Koerner (October 2, 1960)  
George R. Koerner (February 15, 1962)  
Pauline K. Limberg (August 17, 1964)  
Grandchildren – David, Paula, Addie, Robert, Max, Helena  
Residence: 130 Wood Road, Springfield, Pennsylvania 19064

### II. Education

B.S.C.E. – Drexel Institute of Technology – Philadelphia, PA - 1956  
M.S.C.E. – Drexel Institute of Technology – Philadelphia, PA - 1963  
Ph.D. – Duke University – Durham, NC - 1968

#### Additional Studies

Soil Mechanics @ Columbia University – New York, NY – 1956-59  
Law @ Temple University – 1964  
Mathematics @ University of Delaware – Newark, Delaware – 1964-65

### III. Teaching Experience

1964 – 1965 Instructor, School of Engineering  
Pennsylvania Military College, Chester, PA  
1965-1967 N.S.F. Teaching Intern in Civil Engineering  
Duke University, Durham, North Carolina  
1968 – present Drexel University:  
Assistant Professor - 1968  
Associate Professor - 1971  
Professor - 1975  
H. L. Bowman Professor - 1984  
Emeritus Professor - 2003

### IV. Institute Experience

1986-2013 Founder/Director – Geosynthetic Research Institute  
1995-2013 Founder/Director – Geosynthetic Institute  
2013-present Director Emeritus – Geosynthetic Institute

### V. Industrial Experience

1956 – 1960 - Engineer and Superintendent (highway and heavy construction in PA, NJ and NY.) The Conduit and Foundation Corp., Philadelphia, PA  
1960 – 1962 - Engineer – Analyst (involved in all aspects of soil consulting practice), Dames and Moore, Consulting Soil Engineers, New York, NY  
1962 – 1963 - Engineer and Superintendent (industrial foundation design and consultation, and general heavy construction), J. J. Skelly, Inc., Media, PA  
1968 – 1986 - Private consultant in Geotechnical and Foundation Engineering, Powder Metallurgy, Powder Processing and Behavior, Nondestructive Testing, Geosynthetics, Professional Witness Investigations and Legal Testifying: (Incorporated as Geotechnical Research Inc., 1976)  
1986 – present - Advisory consultant in geosynthetics to member organizations of the Geosynthetic Research Institute/Geosynthetic Institute

## VI. Professional Memberships

American Society of Civil Engineers (ASCE)  
American Society for Testing and Materials (ASTM)  
International Geotextile Society (IGS)  
North American Society of Geosynthetics (NAGS)  
Registered Professional Engineer (PE) Pennsylvania #19855-E

## VII. Publications (author or co-author)

Books, Book Chapters, Major Reports	-	88
Refereed Journal Articles	-	168
Conference Proceedings Papers	-	246
Misc. Papers and Articles	-	<u>197</u>
		699

## VIII. Funding Experience (some with others)

Geotechnical Engineering	\$1,140,000
Nondestructive Evaluation	1,600,000
Geosynthetics	
- environmental related	3,090,000
- transportation related	840,000
- industrial consortium	<u>10,000,000</u>
	\$17,270,000

## IX. Major Professional Offices and Honors

Chairman	-	American Society for Engineering Education (ASEE) – 1974-1975
President	-	Philadelphia Section, American Society of Civil Engineers (ASCE) – 1975-1976
Recipient	-	Outstanding Educators of America – 1972
Recipient	-	Lindback Award for Distinguished Undergraduate Teaching at Drexel University – 1974
Co-Recipient	-	Industrial Research IR-100 Award, Earth Dam Spill Alert Device – 1977
Recipient	-	Inter Fraternity Association Undergraduate Teaching Award – 1977-1978
Recipient	-	Delaware County Chapter, Pennsylvania Society of Professional Engineers, Engineer-of-the-Year – 1978
Co-Recipient	-	1 <sup>st</sup> Neal Rice Award – Intl. Briquetting and Agglomeration Society - 1979
Recipient	-	Western Electric Fund Award American Society of Engineering Education, 1980
Recipient	-	Delaware Valley, Engineer-of-the-Year, 1981
Recipient	-	Honorary Doctorate of Engineering Science, Spring Garden College, Philadelphia, PA and Commencement Speaker, 1981
Recipient	-	Civil Engineer-of-the-Year, Philadelphia, PA – 1989
President	-	North American Geosynthetics Society (NAGS) – 1989-1991
Recipient	-	Honorary Member in the American Society of Civil Engineers (ASCE) – 1992
Recipient	-	1 <sup>st</sup> Mercer Lecture (IGS/ISSMFEE) – 1992
Recipient	-	Award of Merit and Fellow (ASTM) – 1994
Recipient	-	Award of Merit in Design (IGS) – 1994
Co-Recipient	-	Award of Excellence (NAGS) – 1995
Recipient	-	32 <sup>nd</sup> Terzaghi Lecture (ASCE) – 1996
Co-Recipient	-	1 <sup>st</sup> T. Allen Haliburton Award (ASTM) – 1996
Recipient	-	1 <sup>st</sup> Giroud Lecture (IGS) – 1998
Member	-	National Academy of Engineering – 1998
Co-Recipient	-	3 <sup>rd</sup> T. Allen Haliburton Award (ASTM) – 1998
Recipient	-	1 <sup>st</sup> Burmister Lecture (Columbia Univ.) – 1999
Recipient	-	2 <sup>nd</sup> Terzaghi Lecture (TU Vienna) - 1999
Recipient	-	8 <sup>th</sup> Kersten Lecture (Univ. Minnesota) – 2000
Co-Recipient	-	James R. Croes Medal (ASCE) – 2000

- Recipient - 4<sup>th</sup> George Sowers Lecture (Geo. Tech) – 2001
- Recipient - 2<sup>nd</sup> CAEE Department Alumni Lecture (Drexel Univ.) – 2001
- Recipient - 10<sup>th</sup> Jack Hilf Lecture (Univ. Colorado) – 2002
- Recipient - 2<sup>nd</sup> U.K. Geosynthetics Lecture (ICE-London) – 2002
- Recipient - College of Engineering Lifetime Achievement Award (Drexel University) – 2003
- Honoree - Symposium on Research Legacy of R. M. Koerner at Drexel University – 2004
- Recipient - 10<sup>th</sup> T. H. Wu Lecture (Ohio State Univ.) – 2005
- Recipient - 4<sup>th</sup> U.K. Geosynthetics Lecture (ICE-London) – 2005
- Honoree - Robert M. Koerner Symposium on Geosynthetics, ASCE Mechanics Division, Baton Rouge, LA – 2005
- Recipient - 7<sup>th</sup> Burmister Lecture (Columbia University) – 2005
- Recipient - Award of “Hero” of GeoInstitute of ASCE – 2005
- Recipient - Drexel University College of Engineering, Engineer-of-the-Year – 2006
- Recipient - 1<sup>st</sup> Theodore Sigmon Lecturer (Natl. Acad. Bldg. Insp. Engrs.) – 2007
- Recipient - 11<sup>th</sup> Robert L. Schiffman Lecturer (Cornell University) – 2007
- Recipient - 3<sup>rd</sup> H. C. Nutting Lecture (Cincinnati, OH) – 2007
- Recipient - 2<sup>nd</sup> Distinguished Lecture (Colorado State University) – 2007
- Participant - External Advisory Council (University of Delaware) – 2006 - 2008
- Honoree - Honorary Membership in International Geosynthetics Society – 2008
- Recipient - Diplomat – Geotechnical Engineers Certification – 2009
- Co-Recipient - Best Paper in Journal of Geotextiles and Geomembranes – 2010
- Member - Worcester Polytech Deans Advisory Council – 2011
- Member - Dean’s Advisory Council at Worcester Polytech – 2012 – 2014
- Co-Recipient - Best Paper in Journal of Geotextiles and Geomembranes – 2013
- Recipient - Award of “Legend” of GeoInstitute of ASCE – 2014
- Honorary Chairman - 2<sup>nd</sup> Intl. GSI-Asia Conference, Seoul, Korea – 2015
- Honoree - Robert M. Koerner Symposium on Geoenvironmental Engr., GeoInstitute – 2016
- Honoree - Robert M. Koerner Annual Lecture, Geosynthetic Materials Assoc. – 2017 onward