

ANTHONY M. DOLHON, P.E.

PRINCIPAL ENGINEER

OVERVIEW

MARCH 23, 2021

Anthony M. Dolhon, P.E. is a Principal Engineer with Dolhon Forensics, which has an office located at 103 Carnegie Center Drive, Suite 300, Princeton, New Jersey 08540. He is a Professional Engineer (civil) licensed in the States of New York, Connecticut, Pennsylvania, Delaware, and New Jersey.

Mr. Dolhon earned a Bachelor of Science degree in Civil and Environmental Engineering from Clarkson University and a Master of Science degree in Civil Engineering from the University of Vermont.

Mr. Dolhon has over 35 years of specialized experience and training in forensic investigation, consulting, and expert witness services in construction, condition, safety, and compliance of buildings, structures, and infrastructure. His expertise is in premises liability, New York Labor Law, codes and standards compliance, workplace and construction safety, property damage, and professional liability.

Mr. Dolhon gained his experience and training in part from design, construction, rehabilitation, performance evaluation, and safety practices from approximately eight years of employment with Exponent, Inc. (a/k/a Failure Analysis Associates) and 20 years of employment with Wiss, Janney, Elstner Associates, Inc., which are widely recognized engineering, architectural, material science, and scientific firms specializing in complex investigation and rehabilitation.

Mr. Dolhon served as Past-Chair of the Forensic Engineering Division, Past-Chair of the Congress on Forensic Engineering, and the Past Co-Editor of the Proceedings of the Congress on Forensic Engineering of the American Society of Civil Engineers.

Mr. Dolhon provided expert testimony in the Superior Court of the State of Connecticut, Superior Court of the State of New Jersey, Supreme Court of the State of New York, United States District Court for the District of Columbia, and the United States District Court for the Southern District of New York.

Mr. Dolhon keeps current in specialty practices through professional affiliations, leadership in professional committees, peer-reviewed research and publications, continuing education, and mentoring.

PROFESSIONAL ENGINEER – LICENSE AND REGISTRATION

New York, 1990-Present
Connecticut, 2004-Present
Pennsylvania, 2004-Present
Delaware, 2004-Present
New Jersey, 2004-Present

EDUCATION

Master of Science, Civil Engineering, University of Vermont, 1987
Bachelor of Science, Civil and Environmental Engineering, Clarkson University, 1984
Associate in Applied Science, Civil Engineering Technology, Broome C.C., 1982

PUBLICATIONS, PRESENTATIONS, AND PANELS

Dolhon, A.M. (2016). “Condition Survey of Assembled Concrete Blocks (Dox Plank).” *Proceedings of the Third Residential Building Design and Construction Conference*. Pennsylvania Housing Research Center of Pennsylvania State University. State College, Pennsylvania. (Publication with Presentation, March 2, 2016).

Drerup, M.J., **A.M. Dolhon**, and M.P. Lester. (2015). “Panel Discussion: Anatomy of a Limited Investigation.” *Seventh Congress on Forensic Engineering: Performance of the Built Environment*. Forensic Engineering Division of the American Society of Civil Engineers. Miami, Florida. (Panel Discussion, November 16, 2015).

Ratakonda, R., **A.M. Dolhon**, and D.B. Peraza. (2015). “Failure of a Thin Limestone Facade.” *Proceedings of the Seventh Congress on Forensic Engineering: Performance of the Built Environment*. Forensic Engineering Division of the American Society of Civil Engineers. Miami, Florida. (Publication with Presentation by R. Ratakonda, November 16, 2015).

Dolhon, A.M. and I. Erdem. (2015). “Survey of the Means of Egress Provisions in Construction Codes of the City of New York.” *Proceedings of the Seventh Congress on Forensic Engineering: Performance of the Built Environment*. Forensic Engineering Division of the American Society of Civil Engineers. Miami, Florida. (Publication with Presentation, November 16, 2015).

Díaz de León, A., C.J. Rossell, **A.M. Dolhon**, M.J. Drerup, J.B. Kardon, and M.P. Lester (Co-Editors). (2015). *Proceedings of the Seventh Congress on Forensic Engineering: Performance of the Built Environment*. Forensic Engineering Division of the American Society of Civil Engineers. Miami, Florida. (Publication).

Peraza, D.B., **A.M. Dolhon**, and R. Ratakonda. (2015). “Failure of Thin Limestone Facade.” *Proceedings of the AEI Conference: Birth and Life of the Integrated Building*. Architectural Engineering Institute of the American Society of Civil Engineers. Milwaukee, Wisconsin. (Publication with Presentation by R. Ratakonda, March 26, 2015).

Dolhon, A.M. and I. Erdem. (2015). “Survey of Stair Construction Codes in New York City.” *Proceedings of the AEI Conference: Birth and Life of the Integrated Building*. Architectural Engineering Institute of the American Society of Civil Engineers. Milwaukee, Wisconsin. (Publication with Presentation, March 25, 2015).

DeVore, C. and **A.M. Dolhon**. (2014). “Service Life Predictions for an Existing Indoor Parking Garage Subject to Chloride Contamination.” *ACI Fall Convention: Spanning the Globe*. Committee 365 Service Life Modeling Case Studies and Validation of the American Concrete Institute. Washington, D.C. (Presentation by C. DeVore, October 21, 2014).

Dolhon, A.M., D.B. Peraza, I. Erdem, and R. Ratakonda. (2012). “Best Practices for Conducting Pre-Construction Surveys: Lessons Learned from Construction Claims.” *Proceedings of the Sixth Congress on Forensic Engineering: Gateway to a Safer Tomorrow*. Technical Council on Forensic Engineering of the American Society of Civil Engineers. San Francisco, California. (Publication with Presentation, November 3, 2012).

Dolhon, A.M., M.J. Drerup, A. Díaz de León, J.B. Kardon, D.S. Hancock, and S. Chen (Co-Editors). (2012). *Proceedings of the Sixth Congress on Forensic Engineering: Gateway to a Safer Tomorrow*. Technical Council on Forensic Engineering of the American Society of Civil Engineers. San Francisco, California. (Publication).

Dolhon, A.M. (2012). “Engineer’s Survival Guide to Forensic Engineering.” *Proceedings of the Structural Forensic Engineering Seminar*. Halfmoon, LLC. Nanuet, New York. (Publication with Presentation, September 27, 2012).

Dolhon, A.M. (2012). “Best Practices for Pre-Construction Surveys: Lessons Learned from Construction Claims.” *ASCE/MET Technical Lecture*. Metropolitan Section of the American Society of Civil Engineers. New York, New York. (Presentation, May 30, 2012).

Dolhon, A.M. and R. Ratakonda. (2011). “Snow Removal Strategies of Lightweight, Flat Roof Structures.” *Proceedings of the SEI Congress: Don’t Gamble on Your Future*. Structural Engineering Institute of the American Society of Civil Engineers. Las Vegas, Nevada. (Publication with Presentation, April 15, 2011).

Erdem, I. and **A.M. Dolhon**. (2011). “Magnetite Concrete in the Nuclear Industry.” *ACI Spring Convention: The Strength of Florida*. Committee 120 History of Concrete of the American Concrete Institute. Tampa, Florida. (Presentation by I. Erdem, April 6, 2011).

Dolhon, A.M. (2010). “Fundamentals of Structural Failures.” *Proceedings of the Forensic Engineering Symposium: Sources of Errors and Opportunities for Catching Them*. Metropolitan Section of the American Society of Civil Engineers. New York, New York. (Publication with Presentation, June 22, 2010).

Chen, S., A. Díaz de León, **A.M. Dolhon**, M.J. Drerup, and M.K. Parfitt (Co-Editors). (2009). *Proceedings of the Fifth Congress on Forensic Engineering: Pathology of the Built Environment*. Technical Council on Forensic Engineering of the American Society of Civil Engineers. Washington, D.C. (Publication).

Dolhon, A.M., D.D. Rolander, M.R. Chauvin, and D.S. Finley. (2009). “Investigation of Load Capacity and Serviceability of Assembled Concrete Blocks (Dox Plank).” *Proceedings of the Fifth Congress on Forensic Engineering: Pathology of the Built Environment*. Technical Council on Forensic Engineering of the American Society of Civil Engineers. Washington, D.C. (Publication with Presentation, November 14, 2009).

Dolhon, A.M. (2009). “Concrete and Masonry Structures Session.” *Fifth Congress on Forensic Engineering: Pathology of the Built Environment*. Technical Council on Forensic Engineering of the American Society of Civil Engineers. Washington, D.C. (Moderator, November 14, 2009).

Dolhon, A.M. and D.S. Finley. (2008). “Doc’s Blocks: Floor and Roof Construction.” *ACI Fall Convention*. Committee 120 History of Concrete of the American Concrete Institute. St. Louis, Missouri. (Presentation, November 5, 2008).

Dolhon, A.M. (2008). “Performance Evaluation of Dox Plank.” *Proceedings of the AEI Conference: Building Integration Solutions*. Architectural Engineering Institute of the American Society of Civil Engineers. Denver, Colorado. (Publication with Presentation, September 26, 2008).

Lewis, G.L. and **A.M. Dolhon**. (2007). “Engineer’s Survival Guide to Forensic Engineering.” *Forensic Engineering Symposium of the SEI Congress*. Structural Engineering Institute of the American Society of Civil Engineers. Long Beach, California. (Presentation, May 18, 2007).

Dolhon, A.M. (2006). “Forensic and Design Practices Session.” *Fourth Congress on Forensic Engineering*. Technical Council on Forensic Engineering of the American Society of Civil Engineers. Cleveland, Ohio. (Moderator, October 7, 2006).

Dolhon, A.M. (2006). “Forensic Practices Workshop.” *Fourth Congress on Forensic Engineering*. Technical Council on Forensic Engineering of the American Society of Civil Engineers. Cleveland, Ohio. (Moderator, October 6, 2006).

Dolhon, A.M. (2005). *Competency Seminar*. Expert Witness Certification Committee of the American Council of Engineering Companies of Colorado. Lakewood, Colorado. (Moderator, June 16, 2005).

Dolhon, A.M. (2005). "Repair Methodology Session." *Forensic Engineering Symposium of the SEI Congress*. Structural Engineering Institute of the American Society of Civil Engineers. New York, New York. (Moderator, April 23, 2005).

Dolhon, A.M. (2004). "Forensic Engineering Perspective on Conflicts of Interest." *Ethics Seminar*. Expert Witness Certification Committee of the American Council of Engineering Companies of Colorado. Lakewood, Colorado. (Presentation and Moderator, November 18, 2004).

Dolhon, A.M. (2003). "Investigation of Reinforced Concrete Structures Session." *Third Congress on Forensic Engineering*. Technical Council on Forensic Engineering of the American Society of Civil Engineers. San Diego, California. (Moderator, October 20, 2003).

Dolhon, A.M. and C.G. Santos. (2002). "A Retrospective on Cinder Concrete Draped-Mesh Floor System of the Early Twentieth Century." *ACI Spring Convention*. Committee 120 History of Concrete of the American Concrete Institute. Detroit, Michigan. (Presentation, April 22, 2002).

Beliveau, J.-G. and **A.M. Dolhon**. (1987). "Structural Parameter Estimation Using Modal Sensitivity." *Abstracts of the Sixth Engineering Mechanics Specialty Conference*. Engineering Mechanics Division and the Buffalo Section of the American Society of Civil Engineers. Buffalo, New York. (Publication with Presentation, May 21, 1987).

PEER REVIEWER

Proceedings of the Ninth Congress on Forensic Engineering: Elevating Forensic Engineering. (2021, planned). Forensic Engineering Division of the American Society of Civil Engineers. Reston, Virginia.

Proceedings of the Eighth Congress on Forensic Engineering: Forging Forensic Frontiers. (2018). Forensic Engineering Division of the American Society of Civil Engineers. Reston, Virginia.

Journal of Architectural Engineering. (2017-Present). Architectural Engineering Institute of the American Society of Civil Engineers. Reston, Virginia.

Proceedings of the Seventh Congress on Forensic Engineering: Performance of the Built Environment. (2015). Forensic Engineering Division of the American Society of Civil Engineers. Reston, Virginia.

Proceedings of the AEI Conference: Birth and Life of the Integrated Building. (2015). Architectural Engineering Institute of the American Society of Civil Engineers. Reston, Virginia.

Guidelines for Forensic Engineering Practice. (2012). Edited by J.B. Kardon. Forensic Practices Committee of the Technical Council on Forensic Engineering of the American Society of Civil Engineers. Second Edition. Reston, Virginia.

Failure Case Studies in Civil Engineering: Structures, Foundations, and the Geo-environmental. (2012). Edited by P.A. Bosela, P.A. Brady, N.J. Delatte, and M.K. Parfitt. Education Committee of the Technical Council on Forensic Engineering of the American Society of Civil Engineers. Reston, Virginia.

Proceedings of the Sixth Congress on Forensic Engineering: Gateway to a Safer Tomorrow. (2012). Technical Council on Forensic Engineering of the American Society of Civil Engineers. Reston, Virginia.

Reducing Brittle and Fatigue Failures in Steel Structures. (2009). Practices to Reduce Failures Committee of the Technical Council on Forensic Engineering of the American Society of Civil Engineers. Reston, Virginia.

Proceedings of the Fifth Congress on Forensic Engineering: Pathology of the Built Environment. (2009). Technical Council on Forensic Engineering of the American Society of Civil Engineers. Reston, Virginia.

Journal of Performance of Constructed Facilities. (2008-Present). Forensic Engineering Division of the American Society of Civil Engineers. Reston, Virginia.

Standard Practices. (2008-Present). Committee E-58 Forensic Engineering and Subcommittee E-58.01 General Practices of the American Society for Testing and Materials International. West Conshohocken, Pennsylvania.

Proceedings of the Fourth Congress on Forensic Engineering. (2006). Technical Council on Forensic Engineering of the American Society of Civil Engineers. Reston, Virginia.

Standard Practices. (2004-Present). Committee F-13 Pedestrian/Walkway Safety and Footwear and Subcommittees F-13.10 Traction and F-13.50 Walkway Surfaces of the American Society for Testing and Materials International. West Conshohocken, Pennsylvania.

Guidelines for Forensic Engineering Practice. (2003). Edited by G.L. Lewis. Forensic Practices Committee of the Technical Council on Forensic Engineering of the American Society of Civil Engineers. First Edition. Reston, Virginia.

Materials Journal. (2002-2010). American Concrete Institute. Farmington Hills, Michigan.

Standard Practices. (2002-2008). Committee E-30 Forensic Sciences and Subcommittee E-30.05 Engineering of the American Society for Testing and Materials International. West Conshohocken, Pennsylvania.

PROFESSIONAL AFFILIATIONS

American Concrete Institute

- ACI 365 Service-Life Prediction, Associate Member, 2002-Present
- Member, 2001-Present
- New Jersey Chapter, 1991-2016

American Institute of Steel Construction

- Professional Member, 2004-2010, 2012-2018

American Society of Civil Engineers

- Forensic Engineering Division, 2002-Present
(formerly Technical Council on Forensic Engineering)

Executive Committee, 2006-2014

- Awards Committee, 2011-2014
- Chair, 2010-2011
- Vice-Chair, 2009-2010
- Secretary, 2008-2009
- Member, 2006-2008

Ninth Congress on Forensic Engineering, Denver, Colorado, 2019-Present

- Steering Committee
- *Proceedings of the Ninth Congress on Forensic Engineering: Elevating Forensic Engineering*, Peer Reviewer

Eighth Congress on Forensic Engineering, Austin, Texas, 2016-2018

- Steering Committee
- *Proceedings of the Eight Congress on Forensic Engineering: Forging Forensic Frontiers*, Peer Reviewer
- Building Facades and Systems Session, Moderator
- Performances Session, Moderator

American Society of Civil Engineers, Continued

- Forensic Engineering Division, Continued

Seventh Congress on Forensic Engineering, Miami, Florida, 2013-2015

- Steering Committee
- *Proceedings of the Seventh Congress on Forensic Engineering: Performance of the Built Environment*, Co-Editor
- Building Envelope, Geotechnical, and Performance of Materials Track, Chair
- Building Envelope, Geotechnical, and Performance of Materials, Geotechnical Session, Moderator

Sixth Congress on Forensic Engineering, San Francisco, California, 2010-2012

- Steering Committee, Chair
- *Proceedings of the Sixth Congress on Forensic Engineering: Gateway to a Safer Tomorrow*, Co-Editor

Fifth Congress on Forensic Engineering, Washington, D.C., 2007-2009

- Steering Committee
- *Proceedings of the Fifth Congress on Forensic Engineering: Pathology of the Built Environment*, Co-Editor
- Technical Program, Co-Chair
- Concrete and Masonry Structures Session, Moderator

Fourth Congress on Forensic Engineering, Cleveland, Ohio, 2004-2006

- Forensic and Design Practices Session, Moderator
- Forensic Practices Workshop, Moderator

Third Congress on Forensic Engineering, San Diego, California, 2003

- Investigation of Reinforced Concrete Structures Session, Moderator

Forensic Engineering Symposium of the SEI Congress, New York, New York, 2005

- Repair Methodology Session, Moderator

Committee on Forensic Practices

- *Guidelines for Forensic Engineering Practice*, Second Edition, 2012
- *Competency Seminar*, Lakewood, Colorado, 2005
- *Ethics Seminar*, Lakewood, Colorado, 2004
- *Guidelines for Forensic Engineering Practice*, First Edition, 2003
- Chair, 2003-2006
- Control Group, 2002-Present

American Society of Civil Engineers, Continued

- Metropolitan Section, 2014-Present
 - Forensic Engineering Group

- Ithaca Section
 - Vice-President, 1990
 - Secretary, 1989-1990
 - Treasurer, 1988-1989
 - Newsletter Editor, 1987-1988

- Section Affiliations
 - Metropolitan Section, 2014-Present
 - Central Jersey Branch of the New Jersey Section, 1991-Present
 - Ithaca Section, 1983-1990

- Membership Grades
 - Member, 1990-Present
 - Associate Member, 1984-1990
 - Student Member (Clarkson University), 1982-1984

- Structural Engineering Institute, Charter Member, 1996-Present
- Zone 1 District 1 Council, Delegate, 1989-1990
- New York State Council, Vice-Chair, 1989-1990
- Upstate New York Regional Student Conference: Challenges Facing the Civil Engineer, Committee Member, 1983-1984

American Society of Safety Professionals

(formerly American Society of Safety Engineers)

- Engineering Practice Specialty, 2004-Present
- New Jersey Chapter, 2004-Present
- Professional Member, 2004-Present

American Society for Testing and Materials International

- Committee E-58 Forensic Engineering, 2008-Present
 - Task Committee on the Formation of a New Main Committee on Forensic Engineering, 2006-2008
 - Subcommittee E-58.01 General Practices

- Committee F-13 Pedestrian/Walkway Safety and Footwear, 2004-Present
 - Subcommittee F-13.10 Traction
 - Subcommittee F-13.50 Walkway Surfaces

American Society for Testing and Materials International, Continued

- Committee E-30 Forensic Sciences, 2002-Present
 - Subcommittee E-30.05 Engineering (Subcommittee E-30.05 was disbanded with the formation of the new main Committee E-58), 2002-2008
- Participating Member, 2002-Present

American Wood Council

- Design Professional Member, 2004-2020
(Effective 2020, AWC discontinued Design Professional Membership)

International Code Council

- Building Safety Professional, 2020-Present

National Academy of Forensic Engineers

- Correspondent, 2004-2008

National Society of Professional Engineers

- Private Practice Discipline, 2004-Present
- New Jersey Society, 2004-Present
- Member, 2004-Present

Structural Engineers Association of New York

- Code and Standards Committee, 2016-Present
- Member, 2016-Present

PRIOR EXPERIENCE

- Exponent, Inc. (a/k/a Failure Analysis Associates), Managing Engineer, 2010-2018
- Wiss, Janney, Elstner Associates, Inc., Senior Associate, 1994-2010
- Wiss, Janney, Elstner Associates, Inc., Engineer II, 1990-1994
- Charles H. Sells, Inc. / Massand Associates, P.C., Team Leader, 1990
- EMJ / McFarland-Johnson Engineers, Inc., Senior Engineer, 1990
- EMJ / McFarland-Johnson Engineers, Inc., Associate Engineer, 1987-1990
- University of Vermont, Graduate and Teaching Assistant, 1985-1987
- EMJ / McFarland-Johnson Engineers, Inc., Junior Engineer, 1984-1985
- A.J. Cerasaro Construction, Inc., Intern, 1983
- Clarkson University, Undergraduate, 1982-1984
- Edwin C. Gent Consulting Engineers, P.C., Intern, 1982
- Edwin C. Gent Consulting Engineers, P.C., Intern, 1981