



Biographical Information

Casey K. Hemmatyar, Managing Director ckh@psfeg.com

As a forensic, structural, and civil engineer and expert consultant with over three decades of experience, Casey Hemmatyar has provided extensive services for defendants and plaintiff attorneys on construction litigation matters in single and class-action lawsuits at both the State and Federal levels (for partial list of litigation cases please click [here](#)). His understanding of core legal concepts has enabled him to effectively assist his attorney clients. He brings diversified experience in structural and civil engineering design, and in forensic engineering, investigation, and evaluation. Mr. Hemmatyar also conducts research and has assisted in development of building codes and standards, and has supervised construction of domestic and international projects. His experience includes specialized structures, and new buildings as well as modifications, alterations, seismic/hurricane retrofits and upgrades to existing structures. He has provided failure analysis, expert consultation, structural forensic investigation, and damage assessment services for many litigation and insurance related matters. He actively presents continuing education lectures to audiences of engineers, architects and contractors on topics of structural and forensic engineering throughout the United States. Mr. Hemmatyar has been the principal structural engineer on projects for clients such as NASA and several other high-profile agencies. Currently he directs PSFEG, and has served as Director for [SEAOSC](#) in 2011-2013.



Mr. Hemmatyar's assignments include facilities such as schools/higher education, telecommunication, hospitals/healthcare, government, recreational, laboratories, commercial, industrial and residential structures. He is versed in the structural design of concrete, steel, timber/wood, masonry, aluminum, glass, light-gage steel and other construction materials. His work experience covers performance-based design, seismic hazard evaluation and mitigation methods as well as preparation of reports evaluating essential structures such as hospitals and health care facilities.

Mr. Hemmatyar has been interviewed by [public media](#) including [H2 History Channel](#) (episode: "Collapse of Ancient Structures") and [Reuters](#) (Mexico City school collapse).

His experience also covers:

- Investigation and evaluation of structural integrity of existing structures,
- Expert consulting, court appearance and trial testimony.

Partial List of Registrations

- SE, PE, California – S5108, C66393
- SE, PE, Washington – 37443
- SE, Hawaii – S14571
- SE, New York – 091118
- SE, Arizona – S49653
- P.ENG, British Columbia, Canada – S19757
- SE, Nevada – 022937
- General Building Contractor, California – 1044945

Partial List of Education

- BS Structural Eng. (1985) University of Science & Technology (ABET accredited)
- MS Structural Eng. Studies (1990) University of British Columbia, Vancouver, Canada



USA

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Canada

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South Africa

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Qatar

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- Structural Engineering Studies. (2000) University of Washington, Seattle, WA
- Structural Engineering Studies. (2002) Irvine Institute of Technology, Irvine, CA
- JD Law Studies (2014) SBV Colleges of Law, CA

Partial List of Affiliations

- SEAOSC (Structural Engineers Association of Southern California); Director, 2011-2013
- SEAOSC; Chair – Technology Committee, 2012 - 2017
- SEAOSC; Chair – [Convention Technical Committee](#), 2013 - 2014
- SEAOSC; Committee Member – Seismology, 2007- Present
- SEAOSC; Committee Member – Wind Ad-Hoc, 2010
- BPELG; California Board for Professional Engineers, Land Surveyors & Geologists – Professional Licensing – Subject Matter Expert, 2009
- NCEES; National Council of Examiners for Engineering and Surveying – Subject Matter Expert, 2010
- City of Los Angeles Existing Building Code Ad-Hoc Committee, 2012-Present
- Forensic Expert Witness Association; Member, 2010-Present
- CAL E•M•A Registered Post-Earthquake and Disaster Safety Assessment Evaluator, 2010-Present
- SEAOC; SE Member 2003-Present
- NZSEE; New Zealand Society for Earthquake Engineering – Member, 1997 & 2012
- AWC; American Wood Council – Member, 2012-Present
- CFSEI; Cold-Formed Steel Engineering Institute – Member, 2012-Present
- GEER; Geotechnical Extreme Events Reconnaissance; Member, 2011-Present
- ASCE; SE Member, 2007 and 2012-Present
- IALCCE; International Association for Life-Cycle Civil Engineering 2015 – Present
- APEGBC; Association of Professional Engineers and Geoscientists of British Columbia, Advocate Committee, Co-Chair, 1996-1998

Partial List of Publications

- Study of Historical and Design Wind Speeds in the Los Angeles Area, prepared by SEAOSC Ad-Hoc Wind Committee Member, June 19, 2010
- Recommendations for the "Los Angeles Region Uniform Code Program" (LARUCP) Proposed Amendments to the 2010 California Building Code, "ICC Los Angeles Basin Chapter Structural Code" Committee Member, June 24, 2010

Partial List of AIA Approved Lectures, Live Seminars and Webinars

- Casey K. Hemmatyar; [2020 Forensic Examination of Structures](#), HalfMoon Education Inc – Pasadena, CA. Presentation Webinar, April 30, 2020
- Casey K. Hemmatyar; [2020 Forensic Examination of Structures](#), HalfMoon Education Inc – San Antonio, TX. Presentation Webinar, April 21, 2020
- Casey K. Hemmatyar; [2019 Forensic Examination of Structures](#), HalfMoon Education Inc – Boise, ID. Presentation Seminar, Nov. 13, 2019



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Page 3 of 4 Continued

- Casey K. Hemmatyar; [2019 Forensic Examination of Structures](#), HalfMoon Education Inc – Reno, NV. Presentation Seminar, July 30, 2019
- Casey K. Hemmatyar; [2019 Designing for Resiliency](#), HalfMoon Education Inc – Santa Barbara, CA. Presentation Seminar, May 30, 2018
- Casey K. Hemmatyar; [2018 Forensic Examination of Structures](#), HalfMoon Education Inc – Seattle, WA. Presentation Seminar, Oct. 10, 2018
- Casey K. Hemmatyar; [2016 Forensic Examination of Structures](#), HalfMoon Education Inc – Irvine, CA. Presentation Seminar, Dec. 13, 2016
- Casey K. Hemmatyar; [2016 Forensic Examination of Structures](#), HalfMoon Education Inc – Albuquerque, NM. Presentation Seminar, May 19, 2016
- Casey K. Hemmatyar; [2016 Forensic Examination of Structures](#), HalfMoon Education Inc – Phoenix, AZ Presentation Seminar, Jan. 21, 2016
- Casey K. Hemmatyar; NAPA's 6.2 Earthquake and California Building Code, SEAOC 2014 International Convention – Indian Wells, CA Presentation Seminar, Sep. 13, 2014
- Casey K. Hemmatyar; Overview and Application of 2013 CBC and IBC 2012 Chapter 16, 16A, 17 and 17A, SEOASC - Los Angeles, CA Presentation Seminar, Mar. 6, 2013
- Casey K. Hemmatyar - Host/Moderator, Chris Tokas, SE, OSHPD Seismic Retrofit SB 499 Report, SEOASC - Ventura, CA Presentation Seminar, Jan 8, 2013
- Casey K. Hemmatyar - Host/Moderator, Fred H Schott, SE, David Lee, PhD; Seismic Retrofit utilizing Damper Panels, SEOASC - Ventura, CA Presentation Seminar, July 11, 2012
- Casey K. Hemmatyar - Host/Moderator, Phil Nelson, PE; Ventura Community Medical Center Replacement Hospital Wing Project, SEOASC - Ventura, CA Presentation Seminar, Mar. 14, 2012
- Casey K. Hemmatyar - Host/Moderator, Barry Keller, PhD Seismologist; Atop the Rupture Zone - Chile's 8.8 Earthquake & Tsunami, SEOASC - Santa Maria, CA Presentation Seminar, Jan. 11, 2012
- Casey K. Hemmatyar - Host/Moderator, Nam Young; Seismic Evaluation and Retrofit of Existing Structures, SEOASC - Ventura, CA Presentation Seminar, Nov. 9, 2011
- Casey K. Hemmatyar; Overview and Application of 2010 CBC Chapter 16, 16A, 17 and 17A, SEOASC - Santa Barbara, CA Presentation Seminar, Sep. 14, 2011
- Casey K. Hemmatyar; Overview and Application of 2010 CBC Chapter 16, 16A, 17 and 17A, SEOASC - Ventura, CA [Presentation Webinar](#), Mar. 16, 2011
- Casey K. Hemmatyar; Overview and Application of 2010 CBC, SEOASC - Long Beach, CA Macro Seminars, Jan. 29, 2011
- Casey K. Hemmatyar; Structural Eng. and CBC 2007, SEOASC - Santa Monica, CA Sep. 27, 2007

Partial List of Awards and Recognition

- OCEC; Orange County Engineering Council - Outstanding Engineering Merit Award 2012.
- SEAOSC; Structural Engineers Association of Southern California – Structural Engineering Presentations Award 2011.
- SEAOSC; Structural Engineers Association of Southern California – Presidential Certificate of Appreciation 2016.
- CWC; Canadian Wood Council - Structural Eng. Software Development Contribution Award 1995.



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Page 4 of 4 Continued

- Ranked 552nd among about one Million entry applicants at the precocious age of 16 admitted to [University of Science & Technology](#) of Iran (Iran's top 3 engineering universities; ABET accredited).

Extracurricular

- USA Masters Swimming Member – 3314-06XB7
- Former National Swimming Champion
- FAA Registered Aerial System Pilot – 4370646
- United States Patent & Trademark (USPTO): Registered Owner - 85250519