

“Structures, Building Envelopes, and the Planet”

Presenter: James A. D’Aloisio, P.E., SECB, LEED-AP

PE CEU’s: 1.5 hours - Accreditation provided by Klepper, Hahn & Hyatt

AIA CEU’s: 1.5 hours - Accreditation provided by the U.S. Green Building Council New York Upstate Chapter

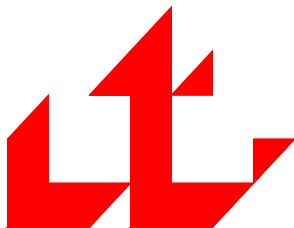
Description: Learn how structural engineers can incorporate sustainable strategies into building structures, and how engineering input into the design and detailing of the building envelope systems can make a big difference in a building’s energy performance.

Objectives:

- List at least one significant positive and one negative impact that steel, concrete, wood, and masonry has on sustainability.
- Identify structural details that can compromise a building envelope’s thermal performance.
- Compare the energy loss potential of different foundation and slab edge insulation details.
- Explain the basics of three non-traditional structural systems that are material efficient or that can be used to create energy efficient building envelopes.

Speaker Bio:

Mr. D’Aloisio is a Principal with Klepper, Hahn & Hyatt, a 38-person structural engineering, landscape architecture, and building science firm based in East Syracuse, NY. A 1982 graduate of Rensselaer Polytechnic Institute, Mr. D’Aloisio is a Registered Professional Engineer, Certified by the Structural Engineering Certification Board (SECB), a LEED Accredited Professional (LEED-AP), and a USGBC-trained Dynamic Governance facilitator. He is on the Advisory Board of the Upstate Chapter of the U.S. Green Building Council (USGBC) and on the Upper Northeast Regional Council of the USGBC, where he was recently elected to the USGBC National Board. He is also a member of the Structural Engineering Institute’s Sustainability Committee. Areas of expertise include structural condition reviews, facade reviews and rehabilitation, failure analysis, expert witness services, analysis and reinforcing of existing roof structures, special inspections, and sustainable aspects of building design and office practices. He has presented on the topic of sustainability and building design over 25 times.



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