

# SIDE EFFECTS

## PERFORMANCE AND PATHOLOGY OF BUILDING ENCLOSURES

A free continuing education opportunity for architects (1.5 LU HSW) and engineers (1.5 PDH)

Wednesday, March 18, 2020 at 3pm

District Architecture Center (421 Seventh St. NW, DC)

### Requirements, trade-offs, and unintended consequences in the building envelope

This seminar explores how legacy and contemporary building enclosure systems address a suite of technical requirements in an increasingly complex regulatory environment and in an era of heightened end-user expectations.

Upon completion of this program, participants will be able to:

1. Describe **four control layers** associated with contemporary building envelope analysis and design.
2. Identify **six additional considerations** of equal, or sometimes greater, importance to the performance and pathology of the building envelope.
3. Provide three examples of **negative side effects** from otherwise well-intentioned retrofits.
4. Discuss **decision-making strategies** for repair, replacement, or overcladding of existing buildings.

*Light refreshments will be served.*



#### Michael J. Drerup, P.E., F.ASCE

Mike has 25 years of experience in the performance, repair, and preservation of existing buildings and structures. He has led and executed dozens of condition assessments and failure investigations, including multifaceted field and laboratory studies of construction materials and systems. Mike has been an active member of the American Society of Civil Engineers Forensic Engineering Division since 2001, including a term as Division Chair. He is a sought-after speaker, and has published and presented throughout the United States and abroad.



#### David E. Kosnik, Ph.D., P.E.

Dave draws from his dual background in civil and computer engineering to develop innovative performance monitoring and evaluation solutions for in-service infrastructure and machinery, including humidity, temperature, crack displacement, and vibration measurements to support design and retrofit decisions for occupied buildings. Dave is the author of many peer-reviewed articles on structural monitoring and related topics, and is a frequent speaker at national and international conferences.

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