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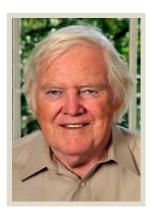
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Faculty - Jerome J. Connor



Jerome J. Connor

Professor

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Education

- S.B. 1953, MIT
- S.M. 1954, MIT
- Sc.D. 1959, MIT

Research Interests

- Structural engineering
- Computational mechanics
- Intelligent structures

Teaching Interests

- Motion Based Design
- Structural Analysis and Control
- Innovative Online Teaching Methods for Structures
- Master of Engineering Program for High Performance Structures

Selected Publications

- "Fundamentals of Finite Element Techniques for Structural Engineers", (with C. Brebbia), Butterworth Press, London, July 1973
- 2. "Analysis of Structural Member Systems", Ronald Press, 1976
- 3. "Finite Element Techniques for Fluid Flow", (with C. Brebbia), Butterworth Press, London, 1976
- 4. "A Simple Friction Model for Scissor-type Mobile Structures", J. of Engineering Mechanics, ASCE, March 1993
- 5. "Fracture MEchanics Approach for Failure of Concrete Shear Key. I: Theory", J. of Engineering Mechanics, ASCE, April 1993
- "Modelling, Loading, and Preliminary Design Considerations for Tall Guyed Tower", J. of Computers and Structures, Vol. 49, No. 5, December 1993
- "New Structural Systems for Tall Buildings: The Space-Truss Concept",
 J. of Structural Design of Tall Buildings, Vol. 4, pp. 155-168, John
 Wiley, 1995
- 8. "A New Method for the Design of Tall Buildings: The MIT Design Method", J. of Structural Design of Tall Buildings, Vol. 4. pp.169-184,

John Wiley, 1995

 "Introduction to Motion Based Design" by J.J. Connor and B.S.A.
 Klink, Computational Mechanics Publication, May 1996 ISBN:1-85312-454-0



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