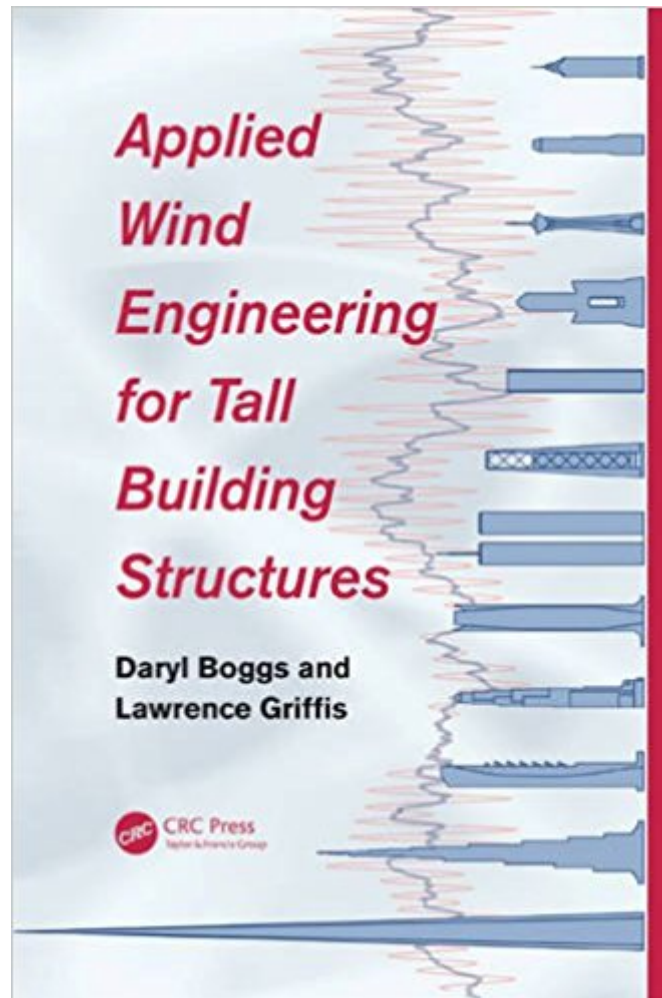




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Applied Wind Engineering For Tall Building Structures



Synopsis

Generally, the taller the structure the more important the role of wind. Yet most designers of tall building structures lack a basic understanding of the response of these structures to wind loading. Drawing together the relevant structural design principles with code or wind tunnel specified loads can deliver efficient and cost-effective structural designs which offer an appropriate degree of service performance and ultimate reliability. Analysing the dynamic behaviour of existing flexible building structures under wind loading is essential for their management over a long service life. All of this requires knowledge and understanding beyond a traditional structural engineering background. This heavily practical book formalizes a great deal of information and understanding from the authors'™ practice and their work in developing AISC, ACI and ASCE codes of practice.

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