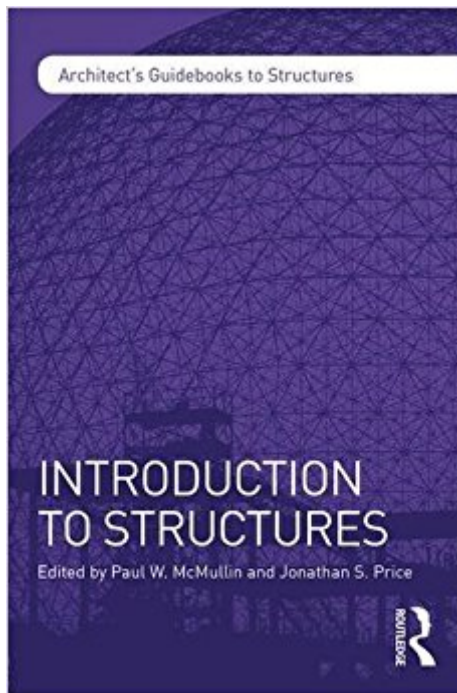




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Introduction To Structures (Architect's Guidebooks To Structures)



Synopsis

Introduction to Structures - the lead book in the ArchitectTMs Guidebook to Structures series - presents structures in simple, accessible fashion through beautiful illustrations, worked examples, and from the perspective of practicing professionals with a combined experience of over 75 years. It introduces the student to, and reminds the practitioner of, fundamental structural design principles. Beginning by introducing structural forms in nature and history, the process of design, and selecting structural systems and materials, the book then moves onto statics, mechanics of materials, and structural analysis. The final chapter provides guidance on preliminary structural design, complete with decision criteria and design tables. Edited by experienced professional structural engineers, with vital contributions from practicing architects, Introduction to Structures is fully illustrated, contains clear step by step examples and preliminary design guidance. Designed as a key textbook for introductory structures courses, it is also an indispensable reference for practicing architects.

Book Information

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"In an era of greater demand for building system integration, communication has never been more important. McMullin and Price provide a very accessible and basic primer for the education and practical application of structural engineering for architects. Maintaining practices as consultant engineers while teaching in both engineering and architecture, the authors have transcribed this experience into a very serviceable aid to architects for evaluating the initial selection of structural

systems and estimating the dimensional attributes of component elements." - Prescott Muir, FAIA, Professor, School of Architecture, University of Utah, USA

Paul W. McMullin is an educator, structural engineer, and photographer. He holds degrees in mechanical and civil engineering, and is a licensed engineer in numerous states. He is a founding partner of Ingenium Design, providing innovative solutions to industrial and manufacturing facilities. Currently an adjunct professor at the University of Utah in Salt Lake City, USA, he has taught for a decade and loves bringing project-based learning to the classroom. Jonathan S. Price is a structural engineer and adjunct professor at Philadelphia University in Pennsylvania, USA, honored with the Distinguished Adjunct Faculty Award in 2006. He holds a Bachelor of Architectural Engineering degree from the University of Colorado, USA, and a Master of Science degree in civil engineering from Drexel University in Philadelphia, USA, and has worked in various capacities in a variety of design firms.

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