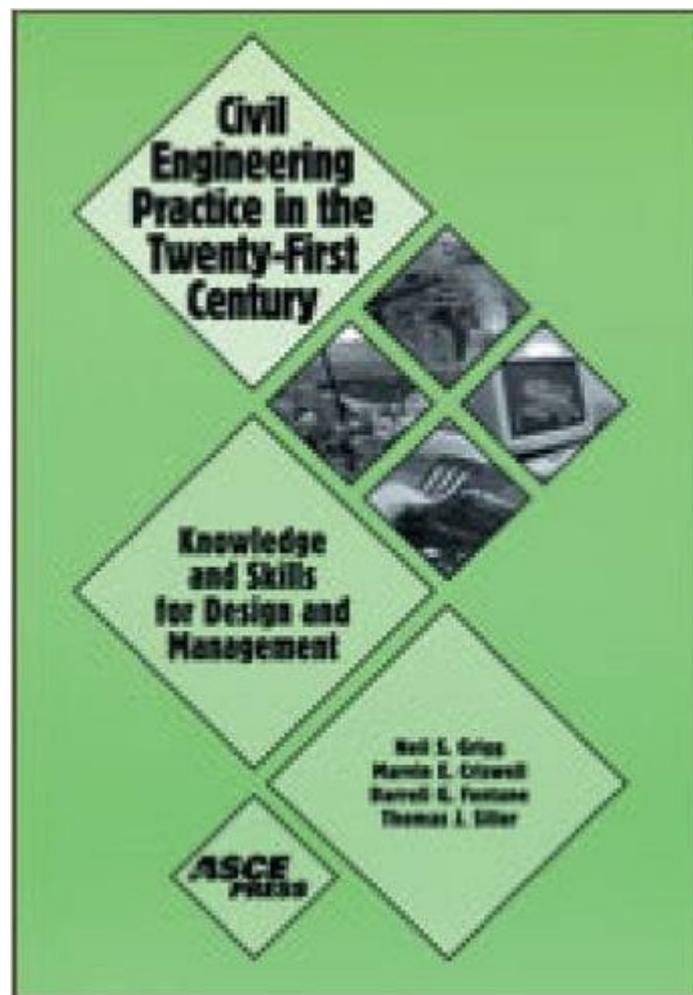


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# Civil Engineering Practice In The Twenty-First Century: Knowledge And Skills For Design And Management



## Synopsis

As civil engineering work changes, a new kind of civil engineer will be required. Civil engineers will continue to take on many different roles, including project planner and advocate, regulator, analyst and designer, and builder, as well as working in any of several technical areas. From applying new technologies and adapting new management strategies to becoming internet-savvy and streamlining the construction process, civil engineers must master a different set of skills than in the past. "Civil Engineering Practice in the Twenty-First Century" details the essential skills and strategies civil engineers need to be successful in the 21st Century. The topics include critical thinking, finance and economics, communications, management, design skill, and law and ethics. The additional topics include civil engineering heritage and future, consequences of civil engineering, work and careers of civil engineers, and engineering design and the infrastructure life cycle. "Civil Engineering Practice in the Twenty-First Century" is designed to supplement the technical preparation of engineers and other technical professionals. The nontechnical focus of this book supports the Accreditation Board for Engineering and Technology's (ABET's) Engineering Criteria 2000.

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This book tells you all about the works of Civil Engineers that the Engineering Teacher will not tell you in class. Read it to get motivated and start building something you can point at and tell your neighbours "Hey, I built that ..."

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