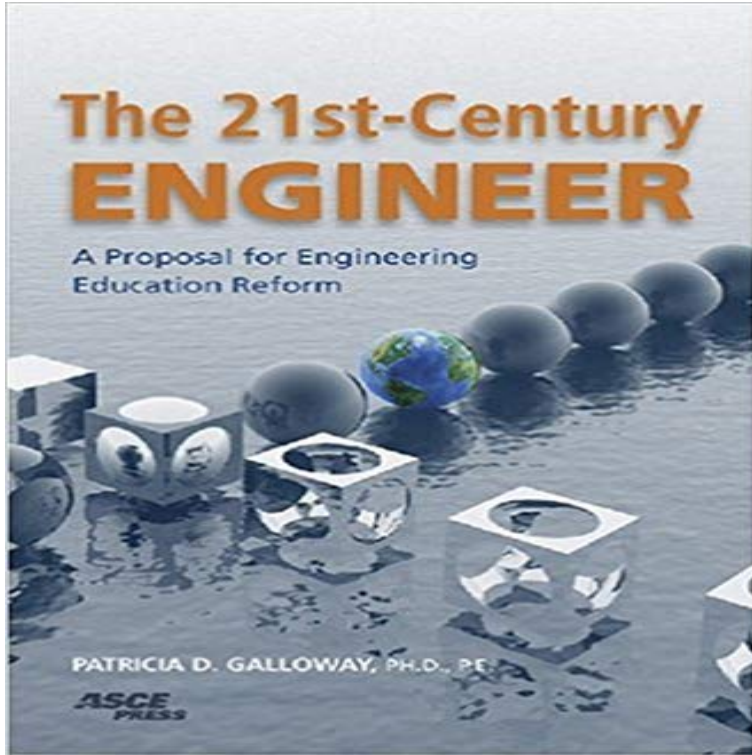


The 21st-Century Engineer: A Proposal for Engineering Education Reform



Once, civil engineers were esteemed by the public as both visionaries and leaders in a noble profession essential to the welfare of humankind. Today, though, civil engineers are often seen as mere advisors and technicians. The 21st-Century Engineer argues that this situation must change and that the means to do so are in the hands of engineers themselves. In this groundbreaking manifesto, Galloway vividly paints the new global landscape where megaprojects, sustainability, infrastructure security, and multicultural work teams pose challenges for which engineers may be unprepared. With businesslike brevity, she lays out nontechnical areas in which engineers must become proficient: globalization, communication, ethics and professionalism, diversity, and leadership. Galloway contends that the existing system for educating engineers must change, and she proposes a new master's degree in professional engineering management. A must-read for all thoughtful engineers involved in educating, hiring, and managing, The 21st-Century Engineer is a clarion call to reform the way today's engineers prepare for tomorrow.

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