

Adaptive Engineering

A Sustainable Development Endeavor

It was with a great insight when Stephen Hawking uttered, "Intelligence is the ability to adapt to change." Incidentally, this also paraphrases Albert Einstein's saying, "The measure of intelligence is the ability to change." Adaptive Engineering: A Sustainable Development Endeavor aims at complementing sustainable development and technologies with adaptation. This entails engineering innovations that go hand in hand with responsible human behavior change. The book presents various aspects of adaptive engineering in combination with civil and structural engineering, architecture, urban design and infrastructure, as well as environmental engineering, coastal engineering, climate change, ecology, energy management, and much more. It commences with a comprehensive review of the state of the art of adaptive engineering. It then elucidates multiple engineering fronts that have proven to be robust and versatile, paving the way to a resilient, green tomorrow. The contributions from a diverse group of experts present a balanced reference compendium to keep professional engineers, students and researchers, policy makers, and various industry stakeholders abreast with the latest advancements.

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