Introduction to Civil Engineering Systems: A Systems Perspective to the Development of Civil Engineering Facilities

Samuel Labi

**DESCRIPTION**

This book presents an integrated systems approach to the evaluation, analysis, design, and maintenance of civil engineering systems. Addressing recent concerns about the world's aging civil infrastructure and its environmental impact, the author makes the case for why any civil infrastructure should be seen as part of a larger whole. He walks readers through all phases of a civil project, from feasibility assessment to construction to operations, explaining how to evaluate tasks and challenges at each phase using a holistic approach. Unique coverage of ethics, legal issues, and management is also included.

**ABOUT THE AUTHOR**

DR. SAMUEL LABI, Associate Professor in Purdue University's School of Civil Engineering, has combined work experience in consulting and academia that span several decades. His influential research has received widespread recognition and accolades, including the Mather Award for best paper in concrete materials and the K.B. Woods Award for best paper in design and construction.

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