Sulfur construction materials can offer improvements over more traditional materials, especially in specific applications. These materials include sulfur concrete and sulfur-extended asphalt pavements as well as pre-cast concrete components, extrusions, and cast-in-place forms. This one-of-a-kind book discusses the basic properties and behavior of sulfur cement and concrete materials and, based on these properties, new sulfur market applications are evaluated and the technological aspects of material production are presented.

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- Reviews acceptable methods of disposing of unneeded sulfur without compromising environmental protection
- Reveals the advantages of using modified sulfur concrete materials for sub-ground and sub-marine structures, and immobilization of hazardous wastes
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- Discusses sulfur concrete process design for use in waste management practices (barrier systems for waste containment, stabilization/solidification of waste, etc.)

About the Authors

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