



Emerging Materials for Civil Infrastructure: State of the Art

By Roberto Lopez-Anido, Tarun Naik

American Society of Civil Engineers. Paperback. Book Condition: new. BRAND NEW, Emerging Materials for Civil Infrastructure: State of the Art, Roberto Lopez-Anido, Tarun Naik, This special publication presents a review of the state of the art on emerging materials for use in civil engineering infrastructure. Emerging materials include novel and new materials, as well as traditional materials with profound potential in new applications. A material or class of materials is considered emerging if its use has not yet developed to a stage wherein well established guidelines, codes, and specifications exist for its use. This book is conveniently divided into chapters that address specific classes of materials highlighting the most recent developments in materials technologies relevant to civil infrastructure. The practicing engineer, student, or lay reader will find this to be an easy-to-use reference for a number of construction material systems that are increasingly being developed and considered for use in civil engineering. Topics covered include: smart materials for civil engineering applications; fiber reinforced composites in civil infrastructure; emerging geomaterials for ground improvement; aluminum materials and the infrastructure; polymer concrete made with recycled plastics; state of the practice in asphalt technology; emerging uses for masonry materials; and emerging uses for window...



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