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Many are redoubling efforts to boost recycling to fend off critics. Other firms are trying ... a professor of chemical engineering at Michigan State University.

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GM has invested a lot of time, money, and



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engineering ... compartments that hang off of that mass. That is different from a floor pan that is typically open. So the structural problems that ...

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Stanley Williams, professor in the Department of Electrical and Computer Engineering at Texas ... molecule is switching from on to off as a consequence of applied voltage, and that's when I ...

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“But that makes people uncomfortable for all sorts of reasons,” says Andy Rivkin, DART’s co-lead investigator at the Applied Physics Laboratory ... In 2010, the U.S. National Academies of Science, ...

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“We’re seeing shingles getting ripped off all the roofs right here ... and damage at the Center of Applied Technology. “We have engineers and folks there now assessing that situation ...

*‘Like a freight train’: Maryland tornado  
damages cars, buildings*

And with their deftly hidden clasps, the bracelets mirror the structural marvels of the city. “If you hold the products in your hand,” Arnault says, “they are really engineering beauties ... wash that ...

This two-volume set (CCIS 915 and CCIS 916) constitutes the refereed proceedings of the 5th Workshop on Engineering Applications, WEA 2018, held in

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Medellín, Colombia, in October 2018. The 50 revised full papers presented in this volume were carefully reviewed and selected from 126 submissions. The papers are organized in topical sections such as computer science; computational intelligence; simulation systems; software engineering; power and energy applications.

“Engineers are titans of real-world problem-solving. . . . In this riveting study of how they think, [Guru Madhavan] puts behind-the-scenes geniuses . . . center stage.”—Nature In this engaging account of innovative triumphs, Guru Madhavan examines the ways in which engineers throughout history created world-changing tools, from ATMs and ZIP codes to the digital camera and the disposable diaper. Equal parts personal, practical, and profound, *Applied Minds* charts a path to a

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future where we borrow strategies from engineering to find inspired solutions to our most pressing challenges.

The main purpose of this book, *Hygrothermal, Building Pathology and Durability*, is to provide a collection of recent research works to contribute to the systematization and dissemination of knowledge related to construction pathology, hygrothermal behaviour of buildings, durability and diagnostic techniques and, simultaneously, to show the most recent advances in this domain. It includes a set of new developments in the field of building physics and hygrothermal behaviour, durability approach for historical and old buildings and building pathology vs. durability. The book is divided in several chapters that are a resume of the current state of knowledge for benefit of professional colleagues,

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scientists, students, practitioners, lecturers and other interested parties to network.

This book is a printed edition of the Special Issue "Sustainability in Construction Engineering" that was published in Sustainability

Offers coverage of each important step in engineering cost control process, from project justification to life-cycle costs. The book describes cost control systems and shows how to apply the principles of value engineering. It explains estimating methodology and the estimation of engineering, engineering equipment, and construction and labour costs

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The World's Greenest Buildings tackles an audacious task. Among the thousands of green buildings out there, which are the best, and how do we know? Authors Jerry Yudelson and Ulf Meyer examined hundreds of the highest-rated large green buildings from around the world and asked their owners to supply one simple thing: actual performance data, to demonstrate their claims to sustainable operations. This pivotal book presents: an overview of the rating systems and shows "best in class" building performance in North America, Europe, the Middle East, India, China, Australia and the Asia-Pacific region practical examples of best practices for greening both new and existing buildings a practical reference for how green buildings actually perform at the highest level, one that takes you step-by-step through many different design solutions a wealth of exemplary case studies of successful green

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building projects using actual performance data from which to learn interviews with architects, engineers, building owners and developers and industry experts, to provide added insight into the greening process This guide uncovers some of the pitfalls that lie ahead for sustainable design, and points the way toward much faster progress in the decade ahead.

Research and Applications in Structural Engineering, Mechanics and Computation contains the Proceedings of the Fifth International Conference on Structural Engineering, Mechanics and Computation (SEMC 2013, Cape Town, South Africa, 2-4 September 2013). Over 420 papers are featured. Many topics are covered, but the contributions may be seen to fall

As software skills rise to the forefront of design concerns, the art of structural

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conceptualization is often minimized. Structural engineering, however, requires the marriage of artistic and intuitive designs with mathematical accuracy and detail. Computer analysis works to solidify and extend the creative idea or concept that might have started o

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