

## Shell Branding Guide

Every year more than 30 million tonnes of bituminous mixtures are laid in the UK in the course of maintenance and improvements of the road network. However, much of the technology associated with road construction and maintenance has never been published - until now. Bituminous mixtures in road construction has been published as the definitive guide to blacktop and addresses the theoretical and practical aspects of the design, manufacture and laying of bituminous mixtures. Written by a team of leading experts, the book provides up-to-the-minute thinking in materials specification, test methods and harmonisation of standards and covers all aspects of fully flexible road construction from foundation design through to surface treatment. In one handy volume, Bituminous mixtures in road construction presents the best of British expertise and will prove to be an essential guide for all engineers working on the construction and maintenance of highways.

Over 1,600 total pages .... Application and Use: Commanders, security and antiterrorism personnel, planners, and other members of project planning teams will use this to establish project specific design criteria for DoD facilities, estimate the costs for implementing those criteria, and evaluating both the design criteria and the options for implementing it. The design criteria and costs will be incorporated into project programming documents.

Weak rocks encountered in open pit mines cover a wide variety of materials, with properties ranging between soil and rock. As such, they can provide a significant challenge for the slope designer. For these materials, the mass strength can be the primary control in the design of the pit slopes, although structures can also play an important role. Because of the typically weak nature of the materials, groundwater and surface water can also have a controlling influence on stability. Guidelines for Open Pit Slope Design in Weak Rocks is a companion to Guidelines for Open Pit Slopes Design, which was published in 2009 and dealt primarily with strong rocks. Both books were commissioned under the Large Open Pit (LOP) project, which is sponsored by major mining companies. These books provide summaries of the current state of practice for the design, implementation and assessment of slopes in open pits, with a view to meeting the requirements of safety, as well as the recovery of anticipated ore reserves. This book, which follows the general cycle of the slope design process for open pits, contains 12 chapters. These chapters were compiled and written by industry experts and contain a large number of case histories. The initial chapters address field data collection, the critical aspects of determining the strength of weak rocks, the role of groundwater in weak rock slope stability and slope design considerations, which can differ somewhat from those applied to strong rock. The subsequent chapters address the principal weak rock types that are encountered in open pit mines, including cemented colluvial sediments, weak sedimentary mudstone rocks, soft coals and chalk, weak limestone, saprolite, soft iron ores and other leached rocks, and hydrothermally altered rocks. A final chapter deals with design implementation aspects, including mine planning, monitoring, surface water control and closure of weak rock slopes. As with the other books in this series, Guidelines for Open Pit Slope Design in Weak Rocks provides guidance to practitioners involved in the design and implementation of open pit slopes, particularly geotechnical engineers, mining engineers, geologists and other personnel working at operating mines.

Pavements, Materials and Control of Quality  
From Brand Vision to Brand Evaluation  
Design Guide for Reducing Transportation Noise in and Around Buildings  
Sustainability Issues in Civil Engineering  
Bluminous Mixtures in Road Construction  
PCB Design Guide to Vias and Trace Currents and Temperatures  
History of Construction Cultures Volume 1 contains papers presented at the 7ICCH - Seventh International Congress on Construction History, held at the Lisbon School of Architecture, Portugal, from 12 to 16 July, 2021. The conference has been organized by the Lisbon School of Architecture (FAUL), NOVA School of Social Sciences and Humanities, the Portuguese Society for Construction History Studies and the University of the Azores. The contributions cover the wide interdisciplinary spectrum of Construction History and consist on the most recent advances in theory and practical case studies analysis, following themes such as: - epistemological issues; - building actors; - building materials; - building machines, tools and equipment; - construction processes; - building services and techniques ; - structural theory and analysis ; - political, social and economic aspects ; - knowledge transfer and cultural translation of construction cultures. Furthermore, papers presented at thematic sessions aim at covering important problematics, historical periods and different regions of the globe, opening new directions for Construction History research. We are what we build and how we build; thus, the study of Construction History is now more than ever at the centre of current debates as to the shape of a sustainable future for humankind. Therefore, History of Construction Cultures is a critical and indispensable work to expand our understanding of the ways in which everyday building activities have been perceived and experienced in different cultures, from ancient times to our century and all over the world. This compilation on sustainability issues in civil engineering comprises contributions from international experts who have been working in the area of sustainability in civil engineering. Many of the contributions have been presented as keynote lectures at the International Conference on Sustainable Civil Infrastructure (ICSCI) held in Hyderabad, India. The book has been divided into core themes of Sustainable Transportation Systems, Sustainable Geosystems, Sustainable Environmental and Water Resources and Sustainable Structural Systems. Use of sustainability principles in engineering has become an important component of the process of design and in this context, design and analysis approaches in civil engineering are being reexamined to incorporate the principles of sustainable designs and construction in practice. Developing economies are on the threshold of rapid infrastructure growth and there is a need to compile the developments in various branches of civil engineering and highlight the issues. It is this need that prompted the composition of this book. The contents of this book will be useful to students, professionals, and researchers working on sustainability related problems in civil engineering. The book also provides a perspective on sustainability for practicing civil engineers who are not directly researching the problems but are affected by the concerns in the course of their profession. The book can also serve to highlight to policy makers and governing bodies the need to have a mandate for sustainable infrastructural development. Although tubular structures are reasonably well understood by designers of offshore platforms, onshore applications often suffer from "learning curve" problems, particularly in the connections, tending to inhibit the wider use of tubes. This book was written primarily to help this situation. Representing 25 years of work by one of the pioneers in the field of tubular structures, the book covers research, synthesis of design criteria, and successful application to the practical design, construction, inspection, and lifetime monitoring of major structures. Written by the principal author of the AWS D1.1 Code Provisions for Tubular Structures this book is intended to be used in conjunction with the AWS Structural Welding Code - Steel, AWS D1.1-88 published by the American Welding Society, Miami, FL, USA. Users of this Code, writers of other codes, students and researchers alike will find it an indispensable source of background material in their work with tubular structures.

Metal Foams: A Design Guide  
Ecohouse: A Design Guide  
Highway Engineering  
NBS Building Science Series  
Finite Element Analysis and Design of Metal Structures  
Component Design by Example  
Bearing Capacity of Roads, Railways and Airfields includes the contributions to the 10th International Conference on the Bearing Capacity of Roads, Railways and Airfields (BCRRA 2017, 28-30 June 2017, Athens, Greece). The papers cover aspects related to materials, laboratory testing, design, construction, maintenance and management systems of transport infrastructure, and focus on roads, railways and airfields. Additional aspects that concern new materials and characterization, alternative rehabilitation techniques, technological advances as well as pavement and railway track substructure sustainability are included. The contributions discuss new concepts and innovative solutions, and are concentrated but not limited on the following topics: · Unbound aggregate materials and soil properties · Bound materials characteristics, mechanical properties and testing · Effect of traffic loading · In-situ measurements techniques and monitoring · Structural evaluation · Pavement serviceability condition · Rehabilitation and maintenance issues · Geophysical assessment · Stabilization and reinforcement · Performance modeling · Environmental challenges · Life cycle assessment and sustainability Bearing Capacity of Roads, Railways and Airfields is essential reading for academics and professionals involved or interested in transport infrastructure systems, in particular roads, railways and airfields. Ecohouse is an exciting and timely text that tells you how to design low energy, environmentally friendly buildings today. It also provides the foundations for building design in a warming world, and stepping stones towards the zero-carbon emission buildings of tomorrow. Sue Roe is famed for her approach to design and her awareness of energy efficiency. Here she reveals the concepts, structures and techniques that lie behind the realization of her ideals. By using her own house as a case-study Roe guides the reader through the ideas for energy efficient design. This guide to the ecohouse also explores 21 case-studies from around the world, from Norway and Sweden to India and Japan, Argentina and Mexico. Chapters by Christopher Day, Katherine Bohn and Andre Viljoen on ecological building materials and methods and a contribution by Robert and Brenda Vale - all experts in this field Ecohouse has a regularly updated companion web site providing further information on all issues relating to Ecohouse and eco design. Log on to [www.bh.com/companions/ecohouse](http://www.bh.com/companions/ecohouse) for a direct link.  
Design Guide for Reducing Transportation Noise in and Around BuildingsDesign Guide for Music and Drama CentersHeat Exchanger Design GuideA Practical Guide for Planning, Selecting and Designing of Shell and Tube ExchangersButterworth-Heinemann  
WebSphere Application Server V8.5 Concepts, Planning, and Design Guide  
Preliminary design services  
Official Gazette of the United States Patent Office  
History of Construction Cultures Volume 1  
Advances in Pavement Design through Full-scale Accelerated Pavement Testing Hearings  
*Heat Exchanger Design Guide: A Practical Guide for Planning, Selecting and Designing of Shell and Tube Exchangers takes users on a step-by-step guide to the design of heat exchangers in daily practice, showing how to determine the effective driving temperature difference for heat transfer. Users will learn how to calculate heat transfer coefficients for convective heat transfer, condensing, and evaporating using simple equations. Dew and bubble points and lines are covered, with all calculations supported with examples. This practical guide is designed to help engineers solve typical problems they might encounter in their day-to-day work, and will also serve as a useful reference for students learning about the field. The book is extensively illustrated with figures in support of the text and includes calculation examples to ensure users are fully equipped to select, design, and operate heat exchangers. Covers design method and practical correlations needed to design practical heat exchangers for process application Includes geometrical calculations for the tube and shell side, also covering boiling and condensation heat transfer Explores heat transfer coefficients and temperature differences Designed to help engineers solve typical problems they might encounter in their day-to-day work, but also ideal as a useful reference for students learning about the field*  
*The second edition of From Brand Vision to Brand Evaluation presents the reader with practical applications for brand enhancement that build upon the theoretical background outlined in Creating Powerful Brands, a hugely successful text co-written by the author. The first edition has been used by marketing and brand practitioners, as well as students of marketing, around the world to help them understand and implement strategies to strengthen brands. The powerful model at the core of the book is based on wide consultancy and research with companies and provides a unique framework for brand management. It provides a flowchart for progressing the brand building process from strategy through tactics to implementation. Each stage in the flow process is examined to demonstrate how it can be applied in a real business context. The book provides an authoritative template for understanding the steps to maintaining, building and maximizing brand value. The best practice will therefore be allied to templates that allow people to undertake appropriate activity within their own design. It will " Presents a highly developed and practical model for brand building and growth " Uses a step by step approach and flow chart to demonstrate how each stage can be applied in business " Based on successful and acclaimed first edition, and a related title- Creating Powerful Brands by the same author team.*  
*Metal foams are at the forefront of technological development for the automotive, aerospace, and other weight-dependent industries. They are formed by various methods, but the key facet of their manufacture is the inclusion of air or other gaseous pockets in the metal structure. The fact that gas pockets are present in their structure provides an obvious weight advantage over traditionally cast or machined solid metal components. The unique structure of metal foams also opens up more opportunities to improve on more complex methods of producing parts with space inclusions such as sand-casting. This guide provides information on the advantages metal foams possess, and the applications for which they may prove suitable. Offers a concise description of metal foams, their manufacture, and their advantages in industry Provides engineers with answers to pertinent questions surrounding metal foams Satisfies a major need in the market for information on the properties, performance, and applications of these materials*  
*A Practical Guide for Planning, Selecting and Designing of Shell and Tube Exchangers*  
*IBM WebSphere Application Server V8 Concepts, Planning, and Design Guide*  
*Principles, Practice and Economics of Plant and Process Design*  
*Design of Welded Tubular Connections*  
*research and development report no. 114*

*Bearing Capacity of Roads, Railways and Airfields*  
The Kingdome, John (" Jack ") Christiansen ' s best-known work, was the largest freestanding concrete dome in the world. Built amid public controversy, the multipurpose arena was designed to stand for a thousand years but was demolished in a great cloud of dust after less than a quarter century. Many know the fate of Seattle ' s iconic dome, but fewer are familiar with its innovative structural engineer, Jack Christensen (1927 – 2017), and his significant contribution to Pacific Northwest and modernist architecture. Christiansen designed more than a hundred projects in the region: public schools and gymnasiums, sculptural church spaces, many of the Seattle Center ' s 1962 World ' s Fair buildings, and the Museum of Flight ' s vast glass roof all reflect his expressive ideas. Inspired by Northwest topography and drawn to the region ' s mountains and profound natural landscapes, Christiansen employed hyperbolic paraboloid forms, barrel-vault structures, and efficient modular construction to echo and complement the forms he loved in nature. Notably, he became an enthusiastic proponent of using thin shell concrete—the Kingdome being the most prominent example—to create inexpensive, utilitarian space on a large scale. Tyler Sprague places Christiansen within a global cohort of thin shell engineer-designers, exploring the use of a remarkable structural medium known for its minimal use of material, architectually expressive forms, and long-span capability. Examining Christiansen ' s creative design and engineering work, Sprague, who interviewed Christiansen extensively, illuminates his legacy of graceful, distinctive concrete architectural forms, highlighting their lasting imprint on the region ' s built environment.

This IBM® Redbooks® publication provides information about the concepts, planning, and design of IBM WebSphere® Application Server V8.5 environments. The target audience of this book is IT architects and consultants who want more information about the planning and design of application-serving environments, from small to large, and complex implementations. This book addresses the packaging and features in WebSphere Application Server, and highlights the most common implementation topologies. It provides information about planning for specific tasks and components that conform to the WebSphere Application Server environment. Also in this book are planning guidelines for WebSphere Application Server and Websphere Application Server Network Deployment on distributed platforms. It also includes guidelines for WebSphere Application Server for IBM z/OS®. This book contains information about migration considerations when moving from previous releases. This book has been updated with the new features introduced with WebSphere Application Server V8.5.5.

Identity management is the concept of providing a unifying interface to manage all aspects related to individuals and their interactions with the business. It is the process that enables business initiatives by efficiently managing the user life cycle (including identity/resource provisioning for people (users)), and by integrating it into the required business processes. Identity management encompasses all the data and processes related to the representation of an individual involved in electronic transactions. This IBM® Redbooks® publication provides an approach for designing an identity management solution with IBM Tivoli® Identity Manager Version 6.1. Starting from the high-level, organizational viewpoint, we show how to define user registration and maintenance processes using the self-registration and self-care interfaces as well as the delegated administration capabilities. Using the integrated workflow, we automate the submission/approval processes for identity management requests, and with the automated user provisioning, we take workflow output and automatically implement the administrative requests on the environment with no administrative intervention. This book is a valuable resource for security administrators and architects who wish to understand and implement a centralized identity management and security infrastructure.

U.S. Courts Design Guide  
Network Intrusion Prevention Design Guide: Using IBM Security Network IPS  
Chinese Standard. GB; GB/T; GB/T; JB; JB/T; YY; HJ; NB; HG; QC; SL; SN; SH; JJF; JJG; CJ; TB; YD; YS; NY; FZ; JG; QB; SJ; SY; DL; AQ; CB; GY; JC; JR; JT  
NASA Tech Brief  
AASHTO Guide for Design of Pavement Structures, 1993  
Unbound Aggregates in Roads  
A very important part of printed circuit board (PCB) design involves sizing traces and vias to carry the required current. This exciting new book will explore how hot traces and vias should be and what board, circuit, design, and environmental parameters are the most important. PCB materials (copper and dielectrics) and the role they play in the heating and cooling of traces are covered. The IPC curves found in IPC 2152, the equations that fit those curves and computer simulations that fit those curves and equations are detailed. Sensitivity analyses that show what happens when environments are varied, including adjacent traces and planes, changing trace lengths, and thermal gradients are presented. Via temperatures and what determines them are explored, along with fusing issues and what happens when traces are overloaded. Voltage drops across traces and vias, the thermal effects going around right-angle corners, and frequency effects are covered. Readers learn how to measure the thermal conductivity of dielectrics and how to measure the resistivity of copper traces and why many prior attempts to do so have been doomed to failure. Industrial CT Scanning, and whether or not they might replace microsections for measuring trace parameters are also considered. Structural Behavior of Asphalt Pavements provides engineers and researchers with a detailed guide to the structural behavioral dynamics of asphalt pavement including: pavement temperature distribution, mechanistic response of pavement structure under the application of heavy vehicles, distress mechanism of pavement, and pavement deterioration performance and dynamic equations. An authoritative guide for understanding the key mechanisms for creating longer lasting pavements, Structural Behavior of Asphalt Pavements describes the intrinsic consistency between macroscopic performance and microscopic response, structure and material, as well as global and local performances, and demonstrates the process of pavement analyses and designs, approaching science from empirical analyses. Analyzes the external and internal factors influencing pavement temperature field, and provide a review of existing pavement temperature prediction models Introduces a 'Bridge Principle through which pavement performance and fatigue properties are consolidated Defines the intrinsic consistency between macroscopic performance and microscopic response, structure and material, as well as global and local performance Summaries the mechanistic response of pavement structure under the application of heavy vehicle, distress mechanism of pavement, pavement deterioration performance and dynamic equations, and life cycle analysis of pavement

An International Textbook, from A to Z Highway Engineering: Pavements, Materials and Control of Quality covers the basic principles of pavement management, highlights recent advancements, and details the latest industry standards and techniques in the global market. Utilizing the author's more than 30 years of teaching, researching, and consulting e

Basis and Use of AWS Code Provisions  
Identity Management Design Guide with IBM Tivoli Identity Manager  
Introduction to Unmanned Aircraft Systems, Second Edition  
Product catalog - China National Standards & Industry Standards  
Aircraft Crash Survival Design Guide: Aircraft crash environment and human tolerance  
The Strategic Process of Growing and Strengthening Brands  
Traditionally, engineers have used laboratory testing to investigate the behavior of metal structures and systems. These numerical models must be carefully developed, calibrated and validated against the available physical test results. They are commonly complex and very expensive. From concept to assembly, Finite Element Analysis and Design of Metal Structures provides civil and structural engineers with the concepts and procedures needed to build accurate numerical models without using expensive laboratory testing methods. Professionals and researchers will find Finite Element Analysis and Design of Metal Structures a valuable guide to finite elements in terms of its applications. Presents design examples for metal tubular connections Simplified review for general steps of finite element analysis Commonly used linear and nonlinear analyses in finite element modeling Realistic examples of concepts and procedures for Finite Element Analysis and Design  
Chemical Engineering Design is one of the best-known and most widely adopted texts available for students of chemical engineering. It completely covers the standard chemical engineering final year design course, and is widely used as a graduate text. The hallmarks of this renowned book have always been its scope, practical emphasis and closeness to the curriculum. That it is written by practicing chemical engineers makes it particularly popular with students who appreciate its relevance and clarity. Building on this position of strength the fifth edition covers the latest aspects of process design, operations, safety, loss prevention and equipment selection, and much more. Comprehensive in coverage, exhaustive in detail, and supported by extensive problem sets at the end of each chapter, this is a book that students will want to keep to hand as they enter their professional life. The leading chemical engineering design text with over 25 years of established market leadership to back it up; an essential resource for the compulsory design project all chemical engineering students take in their final year A complete and trusted teaching and learning package: the book offers a broader scope, better curriculum coverage, more extensive ancillaries and a more student-friendly approach, at a better price, than any of its competitors Endorsed by the Institution of Chemical Engineers, guaranteeing wide exposure to the academic and professional market in chemical and process engineering.

This document provides the comprehensive list of Chinese National Standards and Industry Standards (Total 17,000 standards).

Manuals Combined: DoD Security Engineering Facilities Planning; Design Guide For Physical Security Of Buildings; Antiterrorism Standards For Buildings And Specifications For Active Vehicle Barriers

Functional Pavement Design  
Structural Behavior of Asphalt Pavements  
Sculpture on a Grand Scale  
Design Guide for Music and Drama Centers  
Jack Christiansen's Thin Shell Modernism  
*The proliferation of technological capability, miniaturization, and demand for aerial intelligence is pushing unmanned aerial systems (UAS) into the realm of a multi-billion dollar industry. This book surveys the UAS landscape from history to future applications. It discusses commercial applications, integration into the national airspace system (NAS), system function, operational procedures, safety concerns, and a host of other relevant topics. The book is dynamic and well-illustrated with separate sections for terminology and web-based resources for further information.*  
*Pack: Book and CDInternationally, full-scale accelerated pavement testing, either on test roads or linear/circular test tracks, has proven to be a valuable tool that fills the gap between models and laboratory tests and long-term experiments on in-service pavements. Accelerated pavement testing is used to improve understanding of pavement behavior.*  
*Unbound Aggregates in Roads contains the proceedings of the International Symposium on Unbound Aggregates in Roads (UNBAR3) held at the University of Nottingham, England, on April 11-13, 1989. The papers focus on unbound aggregates used in road construction and cover topics ranging from drainage and permeability to placement and compaction of unbound aggregates, design philosophy, specification, and compliance. This book consists of 49 chapters divided into eight sections and opens with an overview of the functions of unbound aggregates in roads, followed by a discussion on the mechanical properties of different aggregates and theoretical aspects of granular materials. The following chapters focus on granular drainage layers in pavement foundations; residual stresses caused by compaction in granular materials; and alternative materials for road construction such as steel slags and natural and waste materials. The use of unbound road aggregates in various countries such as Italy, France, Germany, and Portugal is also considered. This monograph will be a useful resource for designers, aggregate producers, contractors, specification writers, and materials engineers.*  
*5t edition*  
*Proceedings of the 4th Chinese-European Workshop on Functional Pavement Design (4th CEW 2016, Delft, The Netherlands, 29 June - 1 July 2016)*  
*Proceedings of the 10th International Conference on the Bearing Capacity of Roads, Railways and Airfields (BCRRA 2017), June 28-30, 2017, Athens, Greece*  
*Guidelines for Open Pit Slope Design in Weak Rocks*  
*Heat Exchanger Design Guide*  
*Proceedings of the 7th International Congress on Construction History (7ICCH 2021), July 12-16, 2021, Lisbon, Portugal*

This IBM® Redbooks® publication provides information about the concepts, planning, and design of IBM WebSphere® Application Server V8 environments. The target audience of this book is IT architects and consultants who want more information about the planning and designing of application-serving environments, from small to large, and complex implementations. This book addresses the packaging and features in WebSphere Application Server V8 and highlights the most common implementation topologies. It provides information about planning for specific tasks and components that conform to the WebSphere Application Server environment. Also in this book are planning guidelines for WebSphere Application Server V8 and WebSphere Application Server Network Deployment V8 on distributed platforms and for WebSphere Application Server for z/OS® V8. This book contains information about migration considerations when moving from previous releases.

Chemical Engineering Design: Principles, Practice and Economics of Plant and Process Design is one of the best-known and most widely adopted texts available for students of chemical engineering. The text deals with the application of chemical engineering principles to the design of chemical processes and equipment. The third edition retains its hallmark features of scope, clarity and practical emphasis, while providing the latest US codes and standards, including API, ASME and ISA design codes and ANSI standards, as well as coverage of the latest aspects of process design, operations, safety, loss prevention, equipment selection, and more. The text is designed for chemical and biochemical engineering students (senior undergraduate year, plus appropriate for capstone design courses where taken), and professionals in industry (chemical process, biochemical, pharmaceutical, petrochemical sectors). Provides students with a text of unmatched relevance for chemical process and plant design courses and for the final year capstone design course Written by practicing design engineers with extensive undergraduate teaching experience Contains more than 100 typical industrial design projects drawn from a diverse range of process industries NEW TO THIS EDITION Includes new content covering food, pharmaceutical and biological processes and commonly used unit operations Provides updates on plant and equipment costs, regulations and technical standards Includes links to online access for students to Cost Engineering's Cleopatra Enterprise cost estimating software

This document serves as the third revision of the USAF Parachute Handbook which was first published in 1951. The data and information represent the current state of the art relative to recovery system design and development. The initial chapters describe representative recovery applications, components, subsystems, material, manufacture and testing. The final chapters provide empirical data and analytical methods useful for predicting performance and presenting a definitive design of selected components into a reliable recovery system.

Recovery System Design Guide  
A Step-by-step Process Using VHDL with UART as Vehicle

Integrated Analysis and Design of Conventional and Heavy Duty Asphalt Pavement  
Chemical Engineering Design

*Every organization today needs to manage the risk of exposing business-critical data, improve business continuity, and minimize the cost of managing IT security. Most all IT assets of an organization share a common network infrastructure. Therefore, the first line of defense is to establish proper network security. This security is a prerequisite for a logical set of technical countermeasures to protect from many different attack vectors that use the network to infiltrate the backbone of an organization. The IBM® Security Network Intrusion Prevention System (IPS) stops network-based threats before they can impact the business operations of an organization. Preemptive protection, which is protection that works ahead of a threat, is available by means of a combination of line-speed performance, security intelligence, and a modular protection engine that enables security convergence. By consolidating network security demands for data security and protection for web applications, the IBM Security Network IPS serves as the security platform that can reduce the costs and complexity of deploying and managing point solutions. This IBM Redbooks® publication provides IT architects and security specialists a better understanding of the challenging topic of blocking network threats. This book highlights security convergence of IBM Virtual Patch® technology, data security, and Web Application Protection. In addition, this book explores the technical foundation of the IBM Security Network IPS. It explains how to set up, configure, and maintain proper network perimeter protection within a real-world business scenario.*

*Functional Pavement Design is a collections of 186 papers from 27 different countries, which were presented at the 4th Chinese-European Workshops (CEW) on Functional Pavement Design (Delft, the Netherlands, 29 June-1 July 2016). The focus of the CEW series is on field tests, laboratory test methods and advanced analysis techniques, and cover analysis, material development and production, experimental characterization, design and construction of pavements. The main areas covered by the book include: - Flexible pavements - Pavement and bitumen - Pavement performance and LCCA - Pavement structures - Pavements and environment - Pavements and innovation - Rigid pavements - Safety - Traffic engineering Functional Pavement Design is for contributing to the establishment of a new generation of pavement design methodologies in which rational mechanics principles, advanced constitutive models and advanced material characterization techniques shall constitute the backbone of the design process. The book will be much of interest to professionals*

*and academics in pavement engineering and related disciplines.*