

Jkr Guidelines

Focused on tropical areas and their unique problems and issues, this work examines all aspects of residual soils engineering, including both theoretical and practical aspects. This book gives the practitioner a thorough understanding of the characteristics of these soil types, their formation and their material properties, while guidelines on appli

Offers an introduction to the topics in interfacial phenomena, colloid science or nanoscience. Designed as a pedagogical tool, this book recognizes the cross-disciplinary nature of the subject. It features descriptions of experiments and contains figures and illustrations that enhance the understanding of concepts.

Computer Aided Highway Engineering is aimed at developing professional knowledge in the field of highway engineering with adequate skills in planning, designing and implementation of the highway project with an exposure of hands on training of computer software in designing the worldwide road infrastructures. It discusses Digital Terrain Model (DTM) using satellite data including highway geometric, pavement and tunnel design, supported by relevant tutorials. Quantity estimation, cost estimation and production of various types of construction drawings are described in detail with theory and tutorials backed by real project data. Recognizes the role of information and computer technology in various aspects of highway design. Reviews different tasks for feasibility studies and DPR with software applications. Explores topographic survey, Digital Terrain Model (DTM) and highway geometrics and, pavement and drainage design. Discusses project estimations for various revisions of the engineering work. Includes HEADS Pro along with chapter wise tutorials containing design and field data, tutorial guides and various tutorial videos. This volume is aimed at Professionals in Civil Engineering, Highway Engineering, Transport Planning and Town Planning and Traffic Engineering.

Proceedings of the International Civil and Infrastructure Engineering Conference 2014

Managing Construction Waste in Malaysia

Proceedings of the Sustainable Concrete Materials and Structures in Construction 2020

Field Guides to Geology and Mineral Deposits

Advances in Civil Engineering Materials

The Bridge to Nanoscience

Vol.1: The International Programme on Landslides (IPL)

This book presents selected articles from the 5th International Conference on Architecture and Civil Engineering 2021, held in Malaysia. Written by leading researchers and industry professionals, the papers highlight recent advances and addresses current issues in the fields of civil engineering and architecture.

Developing Solid Oral Dosage Forms: Pharmaceutical Theory and Practice, Second Edition illustrates how to develop high-quality, safe, and effective pharmaceutical products by discussing the latest techniques, tools, and scientific advances in preformulation investigation, formulation, process design, characterization, scale-up, and production operations. This book covers the essential principles of physical pharmacy, biopharmaceutics, and industrial pharmacy, and their application to the research and development process of oral dosage forms. Chapters have been added, combined, deleted, and completely revised as necessary to produce a comprehensive, well-organized, valuable reference for industry professionals and academics engaged in all aspects of the development process. New and important topics include spray drying, amorphous solid dispersion using hot-melt extrusion, modeling and simulation, bioequivalence of complex modified-released dosage forms, biowaivers, and much more. Written and edited by an international team of leading experts with experience and knowledge across industry, academia, and regulatory settings Includes new chapters covering the pharmaceutical applications of surface phenomenon, predictive biopharmaceutics and pharmacokinetics, the development of formulations for drug discovery support, and much more Presents new case studies throughout, and a section completely devoted to regulatory aspects, including global product regulation and international perspectives This book gathers a selection of peer-reviewed papers presented at the Sustainable Concrete Materials and Structures in Construction 2020, held at Universiti Tun Hussein Onn Malaysia, Malaysia, on 24th August 2020. The contributions, prepared by international scientists and engineers, cover the latest advances in and innovative applications with the theme Towards Sustainable Green Concrete The articles in this book cater to academics, graduate students, researchers, as well as industrial practitioners working in the areas of concrete materials and building construction.

Proceedings of the 5th International Conference on Sustainable Civil Engineering Structures and Construction Materials

Prediction Model for Public Schools in Developing Countries

Conceptual and Practical Approaches

50 Years of Science & Technology Development in Malaysia

Guidelines for Presentation of Engineering Drawings

Calgary '81 Annual Meeting

Selected Articles from the International Conference on Architecture and Civil Engineering (ICACE2021)

This guide makes sense of this city of contradictions with numerous colour photographs, 3-D aerial views and unique cutaways of famous buildings. Its colour street finder will take you from the Brandenburg Gate to the hotels, restaurants, cafes, and the famous nightclub districts.

CDS Road and Design tutorials from Foresoft Pty Ltd. Tutorials showing rural and urban road design, dam wall design and pad and estate design.

The remarkably rich natural environment of Malaysia attracts the interest of both industry and the environmental community. Managing Natural Wealth analyzes major natural resource and environmental policy issues in the country during the 1970s and 1980s-a period of profound socioeconomic change, rapid depletion of natural resources, and the emergence of serious problems with pollution. Managing Natural Wealth is an important up-date to Environment and Development in a Resource-Rich Economy: Malaysia under the New Economic Policy. First published in hardcover in 1997, this pathbreaking book emphasized economics as a source for analyzing the issues involved in environmental and natural resource management in developing countries. The access that Jeffrey Vincent and Rozali Mohamed Ali and the contributing authors had to unpublished data and key decisionmakers made their account an essential reference for policymakers and researchers in Malaysia and throughout the globe. Managing Natural Wealth includes a review of key developments since the 1990s by S. Robert Aiken and Colin H. Leigh, two geographers with a long-standing interest in environmental change in Malaysia and an understanding of the institutional context of its environmental policy that is unmatched in the scholarly community.

Proceedings of the 1st Global Civil Engineering Conference

Towards Sustainable Green Concrete

Evaluation of Best Management Practices for Highway Runoff Control

A Survey of the Principles & Practice of Wave Guides

A Study of Change

Recent Trends in Social and Behaviour Sciences

Guidelines for Prevention and Control of Soil Erosion and Siltation in Malaysia

This book is open access under a CC BY 4.0 license. This volume contains peer-reviewed papers from the Fourth World Landslide Forum organized by the International Consortium on Landslides (ICL), the Global Promotion Committee of the International Programme on Landslides (IPL), University of Ljubljana (UL) and Geological Survey of Slovenia in Ljubljana, Slovenia from May 29 to June 2, 2017. The complete collection of papers from the Forum is published in five full-color volumes. Thisfirst volume contains the following: • Three forum lectures • Background and Content of the Sendai Partnerships 2015–2025 • Contribution from the signatory organizations of the Sendai Partnerships • Landslide Dynamics: ISDR-ICL Landslide Interactive Teaching Tools (LIT T) • Progress of the World Report on Landslides (WRL) • International Programme on Landslides (IPL): Objects, History and List of WCoE/IPL projects • UNESCO-KU-ICL UNITIWIN Network supporting IPL • Landslides: Journal of International Consortium on Landslides • International Programme on Landslides (IPL): WCoEs and IPL Projects • Landslides and Society Prof. Kyoji Sassa is the Founding President of the International Consortium on Landslides (ICL). He is Executive Director of ICL and the Editor-in-Chief of International Journal Landslides since its foundation in 2004. Prof. Matjaž Mikoš is the Forum Chair of the Fourth World Landslide Forum. He is the Vice President of International Consortium on Landslides and President of the Slovenian National Platform for Disaster Risk Reduction. Prof. Yueping Yin is the President of the International Consortium on Landslides and the Chairman of the Committee of Geo-Hazards Prevention of China, and the Chief Geologist of Geo-Hazard Emergency Technology, Ministry of Land and Resources, P.R. China. IPL (International Programme on Landslides) is a programme of the ICL. The programme is managed by the IPL Global Promotion Committee including ICL and ICL supporting organizations, UNESCO, WMO, FAO, UNISDR, UNU, ICSU, WFE0, IUGS and IUGG. The IPL contributes to the United Nations International Strategy for Disaster Reduction and the ISDR-ICL Sendai Partnerships 2015–2025.

This book presents 09 keynote and invited lectures and 177 technical papers from the 4th International Conference on Geotechnics for Sustainable Infrastructure Development, held on 28-29 Nov 2019 in Hanoi, Vietnam. The papers come from 35 countries of the five different continents, and are grouped in six conference themes: 1) Deep Foundations; 2) Tunnelling and Underground Spaces; 3) Ground Improvement; 4) Landslide and Erosion; 5) Geotechnical Modelling and Monitoring; and 6) Coastal Foundation Engineering. The keynote lectures are devoted by Prof. Harry Poulos (Australia), Prof. Adam Bezuijen (Belgium), Prof. Delwyn Fredlund (Canada), Prof. Lidija Zdravkovic (UK), Prof. Masaki Kitazume (Japan), and Prof. Mark Randolph (Australia). Four invited lectures are given by Prof. Charles Ng, ISSMGE President, Prof.Eun Chul Shin, ISSMGE Vice-President for Asia, Prof. Norikazu Shimizu (Japan), and Dr.Kenji Mori (Japan).

This book gathers selected theoretical and applied science papers presented at the 2016 Regional Conference of Sciences, Technology and Social Sciences (RCSTSS 2016), organized biannually by the Universiti Teknologi MARA Pahang, Malaysia.

Addressing a broad range of topics, including architecture, computer science, engineering, environmental and management, furniture, forestry, health and medicine, material science, mathematics, plantation and agrotechnology, sports science and statistics, the book serves as an essential platform for disseminating research findings, and inspires positive innovations in the region's development. The carefully reviewed papers in this volume present work by researchers of local, regional and global prominence.

Taken together, they offer a valuable reference guide and point of departure for all academics and students who want to pursue further research in their respective fields.

Proceedings of the International Congress on Interdisciplinary Behaviour and Social Sciences 2013

IBM Systems Journal

CDS Design Tutorials

Geotechnics for Sustainable Infrastructure Development

Developing crop descriptor lists, Guidelines for developers - Bioversity Technical Bulletin No. 13

Environment and Development in Malaysia

Manual on Design Guidelines of Longitudinal Traffic Barrier

At head of title: National Cooperative Highway Research Program.

This book examines how business, the social sciences, science and technology will impact the future of ASEAN. Following the ASEAN VISION 2020, it analyses the issues faced by ASEAN countries, which are diverse, while also positioning ASEAN as a competitive entity through partnerships. On the 30th anniversary of ASEAN, all ASEAN leaders agreed to the establishment of the ASEAN VISION 2020, which delineates the formation of a peaceful, stable and dynamically developed region while maintaining a community of caring societies in Malaysia, Indonesia, Singapore, Brunei, Vietnam, Thailand, the Philippines, Myanmar, Laos and Cambodia. In keeping with this aspiration, Universiti Teknologi MARA Perlis took the initial steps to organise conferences and activities that highlight the role of the ASEAN region. The Second International Conference on the Future of ASEAN (ICoFA) 2017 was organised by the Office of Academic Affairs, Universiti Teknologi MARA Perlis, to promote more comprehensive integration among ASEAN members. This book, divided into two volumes, offers a useful guide for all those engaged in research on business, the social sciences, science and technology. It will also benefit researchers worldwide who want to gain more knowledge about ASEAN countries

Presents a comprehensive guide to the Harry Potter book series and its related materials, providing information on characters, settings, spells, magical items, and the history of Rowling's magical universe.

Landslide Science for a Safer Geoenvironment

An Unauthorized Guide to Harry Potter Fiction and Related Materials

Eyewitness Travel Guides - Berlin

Science and Technology

Proceedings of the Second International Conference on the Future of ASEAN (ICoFA) 2017 – Volume 2

Polymer Morphology

Principles, Characterization, and Processing

"This conference was organized by Instituto Superior Tecnico under the auspices of: International Society of Soil mechanics and Geotechnical Engineering -- ISSMGE, TC18 on Deep Foundations and the Portuguese Geotechnical Society."--T.p. verso.

The human aspect plays an important role in the social sciences. The behaviour of people has become a vital area of focus in the social sciences as well. Recent Trends in Social and Behaviour Sciences contains papers that were originally presented at the International Congress on Interdisciplinary Behavior and Social Sciences, held 4-5 November 201

This book examines issues between natural environment and urban ecosystem in Malaysia. The interface between urban geography and environmental studies is a very interesting one as it links the interrelationship between environment and development processes. Urban geographers provide methods of research, information and knowledge of urban environment, its theory and application. Such knowledge is important for managing our urban land use in a sustainable and systematic manner. Urban related issues such as land use, planning, urban governance and environmental degradation are among the topics discussed by the authors of this book through a multi-discipline approach. This book highlights latest research and studies cases and then discusses them based on Malaysian experiences.

Regional Conference on Science, Technology and Social Sciences (RCSTSS 2016)

Volume 1 ISDR-ICL Sendai Partnerships 2015-2025

Materials and Applications

Tropical Residual Soils Engineering

GCEC 2017

Design Data to Malaysian Standards for Civil Engineer

Developing Solid Oral Dosage Forms

This book offers a selection of the best papers presented during the International conference on Mitigating and Adapting Built Environments for Climate Change in the Tropics, held at Tanri Abeng University (TAU), Jakarta, Indonesia, March 2015. The book is divided into four main parts. The first part deals with the general issue of climate change, the cause and the ways to mitigate and to adapt the built environment for climate change in a number of countries. Part 2 deals with the conceptual ways to mitigate building for climate change. The ways to reduce cooling energy in tropical buildings by means of passive design. Part 3 offers papers that examine the way to overcome disasters in the city caused by climate change. The final part deals with the role of plants in mitigating and adapting built environments to climate change - the use of plants, trees and bushes to directly and indirectly reduce carbon emissions are discussed.

Since its discovery, Atomic Force Microscopy (AFM) has become a technique of choice for non-destructive surface characterization with sub-molecular resolution. The AFM has also emerged as a problem-solving tool in applications relevant to particle-solid and particle-liquid interactions, design, fabrication, and characterization of new materials, and development of new technologies for processing and modification of materials. This volume is a comprehensive review of AFM techniques and their application in adhesion studies. It is intended for both researchers and students in engineering disciplines, physics and biology. Over 100 authors contributed to this book, summarizing current status of research on measurements of colloidal particle-solid adhesion and molecular forces, solid surface imaging and mapping, and discussing the contact mechanics models applicable to particle-substrate and particle-particle systems. This book covers the concept of sustainable development, sustainable building development and the planning process of a sustainable building project. It offers expert insight into tackling sustainable building projects, specifically during the planning process of the project from the conceptual to design stage, to bring together project team members in developing sustainable buildings within the time and budget. This book includes case studies of a number of sustainable building projects in Malaysia. It also features interviews with the sustainable projects' key stakeholders as a way to reveals the sustainable project planning process, including the impact of the process towards project success. It also discusses the issues, barriers and suggested relevant strategies to integrated sustainability principles into the project planning process. This book is the most complete overview of sustainable building projects development in Malaysia that every member of the building project stakeholders will find invaluable.

Computer-Aided Highway Engineering

Science, Technology and Practice : Proceedings of the 8th International Conference on the Application of Stress-Wave Theory to Piles : Lisbon, Portugal, 8-10 September 2008

The Application of Stress-wave Theory to Piles

Sustainable Building and Built Environments to Mitigate Climate Change in the Tropics

•Sewerage •Water Reticulation •Drainage

Managing Building Deterioration

Theoretical and Applied Sciences

The special focus of this proceedings is to cover the areas of infrastructure engineering and sustainability management. The state-of-the art information in infrastructure and sustainable issues in engineering covers earthquake, bioremediation, synergistic management, timber engineering, flood management and intelligent transport systems. It provides precise information with regards to innovative research development in construction materials and structures in addition to a compilation of interdisciplinary finding combining nano-materials and engineering.

This volume contains peer-reviewed papers from the Third World Landslide Forum organized by the International Consortium on Landslides (ICL) in June 2014. The complete collection of papers from the Forum is published in three full-color volumes and one mono-color volume.

With a focus on structure-property relationships, this book describes how polymer morphology affects properties and how scientists can modify them. The book covers structure development, theory, simulation, and processing; and discusses a broad range of techniques and methods. • Provides an up-to-date, comprehensive introduction to the principles and practices of polymer morphology • Illustrates major structure types, such as semicrystalline morphology, surface-induced polymer crystallization, phase separation, self-assembly, deformation, and surface topography • Covers a variety of polymers, such as homopolymers, block copolymers, polymer thin films, polymer blends, and polymer nanocomposites • Discusses a broad range of advanced and novel techniques and methods, like x-ray diffraction, thermal analysis, and electron microscopy and their applications in the morphology of polymer materials

InCIEC 2014

SCESCM 2020

The Lexicon

Sustainable Building Through The Project Planning Process: The Case of Malaysia

Urban Ecosystem Studies in Malaysia

Field Evaluation of Wisconsin Modified Binder Selection Guidelines - Phase II

Managing Natural Wealth

This book gathers the proceedings of the 1st Global Civil Engineering Conference, GCEC 2017, held in Kuala Lumpur, Malaysia, on July 25–28, 2017. It highlights how state-of-the-art techniques and tools in various disciplines of Civil Engineering are being

applied to solve real-world problems. The book presents interdisciplinary research, experimental and/or theoretical studies yielding new insights that will advance civil engineering methods. The scope of the book spans the following areas: Structural, Water Resources, Geotechnical, Construction, Transportation Engineering and Geospatial Engineering applications.

This book provides tabulated design data for sewerage, water reticulation and drainage in accordance with Malaysian design standards. These data serve as quick reference for civil engineer to determine the size of conveyance element i.e. pipes and channel for the above stated systems, and effectively aid in reserve determination and construction cost estimation.

Advancing Culture of Living with Landslides

Sustainable Construction

Atomic Force Microscopy in Adhesion Studies

Pharmaceutical Theory and Practice

Recombinant DNA Research

An Introduction to Interfaces & Colloids

Green Infrastructure