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Highway Engineering Road Infrastructure, Inclusive Development and Traffic Safety in Korea Jute Geotextiles and their Applications in Civil Engineering International Encyclopedia of Transportation The Business of Sports SafeFITS - Safe Future Inland Transport Systems Multigenerational Online Behavior and Media Use: Concepts, Methodologies, Tools, and Applications GB/T 26777-2023 Translated English of Chinese Standard (GB/T 26777-2023, GBT26777-2023) Tunnels and Underground Cities: Engineering and Innovation Meet Archaeology, Architecture and Art OECD Multi-level Governance Studies Subnational Public-Private Partnerships Meeting Infrastructure Challenges Pavement and Asset Management Proceedings of the Canadian Society of Civil Engineering Annual Conference 2021 Traffic Safety and Human Behavior Maintenance, Safety, Risk, Management and Life-Cycle Performance of Bridges West Valley Highway(Norman H. Bangerter Highway), 9000 South to 12600 South, Salt Lake County Environmental Noise and Management Asset Intelligence through Integration and Interoperability and Contemporary Vibration Engineering Technologies Driver Reactions to Automated Vehicles Proceedings of the 5th International Conference on Rehabilitation and Maintenance in Civil Engineering Recent Trends in Engineering and Technology (NCRTET-2017) Information Technology in Geo-Engineering Advances in Agricultural Machinery and Technologies 14th WCEAM Proceedings International Law As We Know It Geometric Design of Roads Handbook Global Practices on Road Traffic Signal Control Moody's Knowledge and Passion to Make a Positive Impact on the World Proceedings of the Sixth International Conference of Transportation Research Group of India Advances in Human Factors, Sustainable Urban Planning and Infrastructure Human-Automation Interaction Simulation and Testing for Vehicle Technology International Handbook of Disaster Research Safe Mobility Traffic and Granular Flow '17 Electric Vehicles: Prospects and Challenges Bridge Maintenance, Safety, Management, Life-Cycle Sustainability and Innovations Rhizosphere Microbes

**Highway Engineering** 2016-05-03 the repair renovation and replacement of highway infrastructure along with the provision of new highways is a core element of civil engineering so this book covers basic theory and practice in sufficient depth to provide a solid grounding to students of civil engineering and trainee practitioners moves in a logical sequence from the planning and economic justification for a highway through the geometric design and traffic analysis of highway links and intersections to the design and maintenance of both flexible and rigid pavements covers geometric alignment of highways junction and pavement design structural design and pavement maintenance includes detailed discussions of traffic analysis and the economic appraisal of projects makes frequent reference to the department of transport s design manual for roads and bridges places the provision of roads and motorways in context by introducing the economic political social and administrative dimensions of the subject

**Road Infrastructure, Inclusive Development and Traffic Safety in Korea** 2016-04-22 this report combines empirical research on the relationship between road infrastructure inclusive economic development and traffic safety with an assessment of policies and governance structures to help governments find ways to create effective safe and inclusive transport infrastructures

Jute Geotextiles and their Applications in Civil Engineering 2016-09-26 this book presents a first of its kind exposition on the emerging technology of jute fiber geotextiles the book covers the characteristics of jute fiber and jute yarns types and functions of jute geotextiles and the mechanism of control of surficial soil with jute geotextiles the content also includes applications such as the mechanisms of functioning of jute geotextiles in strengthening road sub grade and controlling river bank erosion stabilization of earthen embankments management of settlement of railway tracks and consolidation of soft soil by use of pre fabricated vertical jute drains pvjd geotextile standards properties and test methods variants of jute geotextiles economical and environmental advantages in different applications are covered along with a few case studies a chapter on soil basics is included to enable clearer understanding of soil mechanisms the book can be used as a reference work or as primary or supporting text for graduate and professional coursework it will also prove useful to researchers and practicing engineers looking for a comprehensive treatise on jute geotextiles

International Encyclopedia of Transportation 2021-05-13 in an increasingly globalised world despite reductions in costs and time transportation has become even more important as a facilitator of economic and human interaction this is reflected in technical advances in transportation systems increasing interest in how transportation interacts with society and the need to provide novel approaches to understanding its impacts this has become particularly acute with the impact that covid 19 has had on transportation across the world at local national and international levels encyclopedia of transportation seven volume set containing almost 600 articles brings a cross cutting and integrated approach to all aspects of transportation from a variety of interdisciplinary fields including engineering operations research economics geography and sociology in order to understand the changes taking place emphasising the interaction between these different aspects of research it offers new solutions to modern day problems related to transportation each of its nine sections is based around familiar themes but brings together the views of experts from different disciplinary perspectives each section is edited by a subject expert who has commissioned articles from a range of authors representing different disciplines different parts of the world and different social perspectives the nine sections are structured around the following themes transport modes freight transport and logistics transport safety and security transport economics traffic management transport modelling and data management transport policy and planning transport psychology sustainability and health issues in transportation some articles provide a technical introduction to a topic whilst others provide a bridge between topics or a more future oriented view of new research areas or challenges the end result is a reference work that offers researchers and practitioners new approaches new ways of thinking and novel solutions to problems all encompassing and expertly authored this outstanding reference work will be essential reading for all students and researchers interested in transportation and its global impact in what is a very uncertain world provides a forward looking and integrated approach to transportation updated with future technological impacts such as self driving vehicles cyber physical systems and big data analytics includes comprehensive coverage presents a worldwide approach including sets of comparative studies and applications

**The Business of Sports** 2017-02-17 the business of sports provides a comprehensive foundation of the economic organizational legal and political components of the sports industry geared for journalism communication and business students but also an excellent resource for those working in sports this text introduces readers to the ever increasing complexity of an industry that is in constant flux now in its third edition the volume continues to offer a wealth of statistics and case studies up to date with the newest developments in sports business and focused on cutting edge issues and topics including the many changes in international sports and the role of analytics in decision making and tax rules that have a major effect on

## athletes and teams

<u>SafeFITS - Safe Future Inland Transport Systems</u> 2019-05-20 this report presents the results of the project safe future inland transport systems safefits which aims to develop a robust road safety decision making tool to support the most appropriate road safety policies and measures to achieve tangible results road accidents constitute a major social problem in modern societies accounting for more than 1 million accidents per year in eu 28 2 900 per day resulting in 1 4 million injuries and 26 000 fatalities current trends suggest that unless action is taken traffic injuries will become the fifth leading cause of death by 2030 with the disparity between high income and low income countries further increased

Multigenerational Online Behavior and Media Use: Concepts, Methodologies, Tools, and Applications 2019-02-01 the rapid evolution of technology continuously changes the way people interact work and learn by examining these advances from a sociological perspective researchers can further understand the impact of cyberspace on human behavior interaction and cognition multigenerational online behavior and media use concepts methodologies tools and applications is a vital reference source covering the impact of social networking platforms on a variety of relationships including those between individuals governments citizens businesses and consumers the publication also highlights the negative behavioral physical and mental effects of increased online usage and screen time such as mental health issues internet addiction and body image showcasing a range of topics including online dating smartphone dependency and cyberbullying this multi volume book is ideally designed for sociologists psychologists computer scientists engineers communication specialists academicians researchers and graduate level students seeking current research on media usage and its behavioral effects

GB/T 26777-2023 Translated English of Chinese Standard (GB/T 26777-2023, GBT26777-2023) 2024-05-16 this document specifies the types and basic parameters technical requirements test methods inspection rules marking and instruction manual of trailer landing gears this document is applicable to landing gears installed and used on freight trailers except center axle vehicle transport trailers

Tunnels and Underground Cities: Engineering and Innovation Meet Archaeology, Architecture and Art 2020-07-08 tunnels and underground cities engineering and innovation meet archaeology architecture and art volume 9 safety in underground construction contains the contributions presented in the eponymous technical session during the world tunnel congress 2019 naples italy 3 9 may 2019 the use of underground space is continuing to grow due to global urbanization public demand for efficient transportation and energy saving production and distribution the growing need for space at ground level along with its continuous value increase and the challenges of energy saving and achieving sustainable development objectives demand greater and better use of the underground space to ensure that it supports sustainable resilient and more liveable cities the contributions cover a wide range of topics tunnel inspection analysis via risk assessment for maintenance planning and civil engineering constraints on tunnel ventilation and safety to cfd simulations of longitudinal ventilation of a road tunnel the book is a valuable reference text for tunnelling specialists owners engineers archaeologists architects artists and others involved in underground planning design and building around the world and for academics who are interested in underground constructions and geotechnics OECD Multi-level Governance Studies Subnational Public-Private Partnerships Meeting Infrastructure Challenges 2018-11-12 this report focuses on the challenges of governing infrastructure investment and public private partnerships ppps at the subnational level subnational governments cities and regions play a vital role in the infrastructure landscape

Pavement and Asset Management 2019-02-21 pavement and asset management contains contributions from the world conference on pavement and asset management wcpam 2017 baveno italy 12 16 june 2017 for the first time the european pavement and asset management conference epam and the international conference on managing pavement assets icmpa were joining forces for a global event that aimed not only at academics and researchers but also at practitioners engineers and technicians dealing with everyday tasks and responsibilities related to transport infrastructures pavement and asset management pavement and asset management covers a wide range of topics from emerging research to engineering practice and is grouped under the following themes data quality and monitoring economics political and environmental management strategies deterioration models key performance indicators pms case studies design and materials m r treatments Ica Icca risk and safety bridge and tunnel management smart infrastructure and it pavement and asset management will be valuable to academics and professionals interested and or involved in issues related to transport infrastructures pavement and asset management

Proceedings of the Canadian Society of Civil Engineering Annual Conference 2021 2022-05-29 this book comprises the proceedings of the annual conference of the canadian society of civil engineering 2021 the contents of this volume focus on specialty conferences in construction environmental hydrotechnical materials

structures transportation engineering etc this volume will prove a valuable resource for those in academia and industry

Traffic Safety and Human Behavior 2017-06-22 this comprehensive 2nd edition covers the key issues that relate human behavior to traffic safety in particular it covers the increasing roles that pedestrians and cyclists have in the traffic system the role of infotainment in driver distraction and the increasing role of driver assistance systems in changing the driver vehicle interaction

Maintenance, Safety, Risk, Management and Life-Cycle Performance of Bridges 2018-07-04 maintenance safety risk management and life cycle performance of bridges contains lectures and papers presented at the ninth international conference on bridge maintenance safety and management iabmas 2018 held in melbourne australia 9 13 july 2018 this volume consists of a book of extended abstracts and a usb card containing the full papers of 393 contributions presented at jabmas 2018 including the tylin lecture 10 keynote lectures and 382 technical papers from 40 countries the contributions presented at iabmas 2018 deal with the state of the art as well as emerging concepts and innovative applications related to the main aspects of bridge maintenance safety risk management and life cycle performance major topics include new design methods bridge codes heavy vehicle and load models bridge management systems prediction of future traffic models service life prediction residual service life sustainability and life cycle assessments maintenance strategies bridge diagnostics health monitoring non destructive testing field testing safety and serviceability assessment and evaluation damage identification deterioration modelling repair and retrofitting strategies bridge reliability fatigue and corrosion extreme loads advanced experimental simulations and advanced computer simulations among others this volume provides both an up to date overview of the field of bridge engineering and significant contributions to the process of more rational decision making on bridge maintenance safety risk management and life cycle performance of bridges for the purpose of enhancing the welfare of society the editors hope that these proceedings will serve as a valuable reference to all concerned with bridge structure and infrastructure systems including students researchers and engineers from all areas of bridge engineering West Valley Highway (Norman H. Bangerter Highway), 9000 South to 12600 South, Salt Lake County 1993 environmental noise and management selma kurra istanbul technical university and dbkes engineering ltd turkey a comprehensive overview of environmental noise pollution from the standpoint of environmental impact and control environmental noise is studied regulated and monitored by many governments and institutions as well as forming the basis for a number of different occupations due to the adverse effects of noise exposure environmental noise and management provides a comprehensive overview of environmental noise pollution the book begins by covering the fundamentals of noise and acoustics major noise sources and prediction and evaluation techniques developments in noise measuring techniques and mapping and improvement of legislation to control noise pollution are then discussed and international regulations are presented technological advances and recent developments regarding strategy and action plans are also covered in depth key features summarizes the relevant international standards covering noise pollution and environmental engineering practice presents technological advances and recent developments regarding strategy and action plans covers developments in noise measuring techniques prediction models mapping and improvement of legislation to control noise pollution environmental noise and management is a comprehensive resource for researchers and graduate students who are involved in noise pollution from the standpoint of environmental impact and control

Environmental Noise and Management 2020-11-09 these proceedings include a collection of papers on a range of topics presented at the 12th world congress on engineering asset management wceam in brisbane 2 4 august 2017 effective strategies are required for managing complex engineering assets such as built environments infrastructure plants equipment hardware systems and components following the release of the iso 5500x set of standards in 2014 the 12th wceam addressed important issues covering all aspects of engineering asset management across various sectors including health the topics discussed by the congress delegates are grouped into a number of tracks including strategies for investment and divestment of assets operations and maintenance of assets assessment of assets health conditions risk and vulnerability technologies and systems for management of assets standards education training and certification Asset Intelligence through Integration and Interoperability and Contemporary Vibration Engineering Technologies 2018-11-11 driver reactions to automated vehicles focuses on the design and evaluation of the handover to and from driver and the automobile the authors present evidence from studies in driving simulators and on the open roads to show that handover times are much longer than anticipated by previous research in the course of the studies eriksson and stanton develop compelling evidence to support the use of driving simulators for the study of handovers they also develop guidelines for the design of handover strategies and show how this improves driver takeover of vehicle control features provides a history of automobile automation

offers a contemporary analysis of the state of automobile automation includes novel approaches in examining driver automation interaction presents studies of automation in driving simulators includes on road studies of driver automation covers guidelines for design of vehicle automation

<u>Driver Reactions to Automated Vehicles</u> 2018-07-04 this book is a collection of papers presented at the 5th international conference on rehabilitation and maintenance in civil engineering icrmce 2021 held in surakarta indonesia the papers are grouped into sequential themes representing the structure of this book o part 1 factors affecting building and infrastructure performance o part 2 testing and inspection of existing building and infrastructure o part 3 protection maintenance repair and retrofitting of building and infrastructure o part 4 maintenance management of building and infrastructure o part 5 service life modelling of building and infrastructure o part 6 hazard mitigation o part 7 sustainability aspect in civil engineering design process modelling maintenance and rehabilitation postgraduate students researchers and practitioners specializing and working in the area of protection maintenance repair and retrofitting of civil engineering infrastructures will find this book very useful

Proceedings of the 5th International Conference on Rehabilitation and Maintenance in Civil Engineering 2022-09-01 after successful organization of the national seminar on energy science and engineering 2013 nsese 2013 during november 2013 tripura institute of technology narsingarh tripura west has organized the second national conference on recent trends in engineering and technology 2017 ncrtet 2017 during march 17 18 2017 the seminar aimed to provide an opportunity for academicians and researchers in india to discuss the divergent issues related to recent trends in engineering and technology covering all aspects on one platform so as to critically examine the ongoing current research and derive directions for future research strategies and policy implications as a mark of remembrance a souvenir was published on this occasion the conference has received enormous response in the form of technical papers and research contributions from various authors across the country in total 55 numbers of technical papers related to different engineering domain were accepted for oral presentation four invited papers from renowned faculty members of our country were also presented on the occasion we are also happy to keep our commitment of publishing a conference proceeding with isbn through a prestigious publisher having all accepted full length papers

Recent Trends in Engineering and Technology (NCRTET-2017) 2018-03-05 these proceedings address the latest developments in information communication and technologies for geo engineering the 3rd international conference on information technology in geo engineering icitg 2019 held in guimarães portugal follows the previous successful installments of this conference series in durham 2014 and shanghai 2010 the respective chapters cover the following use of information and communications technologies big data and databases data mining and data science imaging technologies building information modelling applied to geo structures artificial intelligence smart geomaterials and intelligent construction sensors and monitoring asset management case studies on design construction and maintenance given its broad range of coverage the book will benefit students educators researchers and professional practitioners alike encouraging these readers to help take the geo engineering community into the digital age

Information Technology in Geo-Engineering 2019-09-24 the agricultural industry is dealing with enormous challenges across the globe including the limited availability of arable lands and fresh water as well as the effect of climate change machinery plays a crucial role in agriculture and farming systems in order to feed the world s growing population in the last decade we have witnessed major advances in agricultural machinery and technologies particularly as manufacturers and researchers develop and apply various novel ways of automation as well as the data and information gathering and analyzing capabilities of their machinery this book presents the state of the art information on the important innovations in the agricultural and horticultural industry it reviews and presents different novel technologies and implementation of these technologies to optimize farming processes and food production there are four sections each addressing a specific area of development section i discusses the recent development of farm machinery and technology section ii focuses on water and irrigation engineering section iii covers harvesting and post harvest technology section iv describes computer modelling and simulation each section highlights current industry trends and latest research progress this book is ideal for those working in or are associated with the fields of agriculture agri food chain and technology development and promotion

**Advances in Agricultural Machinery and Technologies** 2018-03-05 this book gathers selected peer reviewed papers from the 14th world congress on engineering asset management wceam which was held in singapore on 28 31 july 2019 as well as papers presented during the 1st wceamonline event which focused on the ramifications of covid 19 on infrastructure systems this book covers a wide range of topics in engineering asset management including asset management services provisioning servitization decision making asset

management systems industrial internet of things and vulnerability and resilience of infrastructure systems the breadth and depth of these state of the art comprehensive proceedings make them an excellent resource for asset management practitioners researchers and academics as well as undergraduate and postgraduate students

**14th WCEAM Proceedings** 2020-12-02 explores the role of international legal scholars in the construction of legal knowledge looking at examples from the cyberwar debate

International Law As We Know It 2021-10-14 explore the art and science of geometric design the geometric design of roads handbook covers the design of the visible elements of the road its horizontal and vertical alignments the cross section intersections and interchanges good practice allows the smooth and safe flow of traffic as well as easy maintenance geometric design is covered in depth the book also addresses the underpinning disciplines of statistics traffic flow theory economic and utility analysis systems analysis hydraulics and drainage capacity analysis coordinate calculation environmental issues and public transport background material for the practicing designer a key principle is recognizing what the driver wishes to do rather than what the vehicle can do the book takes a human factors approach to design drawing on the concept of the self explaining road it also emphasizes the need for consistency of design and shows how this can be quantified and sets out the issues of the design domain context the extended design domain concept and the design exception the book is not simply an engineering manual but properly explores context sensitive design discover and develop real world solutions changes in geometric design over the last few years have been dramatic and far reaching and this is the first book to draw these together into a practical guide which presents a proper and overriding philosophy of design for road and highway designers and students this text covers the basics of geometric design explores key aspects of multimodal design addresses drainage and environmental issues reviews practical standards procedures and guidelines provides additional references for further reading a practical guide for graduate students taking geometric design traffic operations capacity analysis and public transport the geometric design of roads handbook introduces a novel approach that addresses the human aspect in the design process and incorporates relevant concepts that can help readers create and implement safe and efficient designs

Geometric Design of Roads Handbook 2015-10-05 global practices on road traffic signal control is a valuable reference on the current state of the art of road traffic signal control around the world the book provides a detailed description of the common principles of road traffic signal control using a well defined and consistent format that examines their application in countries and regions across the globe this important resource considers the differences and special considerations across countries providing useful insights into selecting control strategies for signal timing at intersections and pedestrian crosswalks the book s authors also include success stories for coping with increasing traffic related problems examining both constraints and the reasons behind them presents a comprehensive reference on country by country practices on road traffic signal control compiles and compares approaches across countries covers theories and common principles examines the most current systems and their implementation

Global Practices on Road Traffic Signal Control 2019-05-03 american government securities 1928 53 in 5 annual vols v 1 railroad securities 1952 53 transportation v 2 industrial securities v 3 public utility securities v 4 government securities 1928 54 v 5 banks insurance companies investment trusts real estate finance and credit companies 1928 54

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**DOS/V POWER REPORT 2015** 2015-03-28 expanding underground knowledge and passion to make a positive impact on the world contains the contributions presented at the ita aites world tunnel congress 2023 athens greece 12 18 may 2023 tunnels and underground space are a predominant engineering practice that can provide sustainable cost efficient and environmentally friendly solutions to the ever growing needs of modern societies this underground expansion in more diverse and challenging infrastructure types or to novel underground uses can foster the changes needed at the same time the tunneling and underground space community needs to be better prepared and equipped with knowledge tools and experience to deal with the prevailing conditions to successfully challenge and overcome adversities on this path the papers in this book

aim at contributing to the analysis of challenging conditions the presentation and dissemination good practices the introduction of new concepts new tools and innovative elements that can help engineers and all stakeholders to reach their end goals expanding underground knowledge and passion to make a positive impact on the world covers a wide range of aspects and topics related to the whole chain of the construction and operation of underground structures knowledge and passion to expand underground for sustainability and resilience geological geotechnical site investigation and ground characterization planning and designing of tunnels and underground structures mechanised tunnelling and microtunnelling conventional tunnelling drill and blast applications tunnelling in challenging conditions case histories and lessons learned innovation robotics and automation bim big data and machine learning applications in tunnelling safety risk and operation of underground infrastructure and contractual practices insurance and project management the book is a must have reference for all professionals and stakeholders involved in tunneling and underground space development projects

Expanding Underground - Knowledge and Passion to Make a Positive Impact on the World 2023-04-12 this book comprises the proceedings of the sixth international conference of transportation research group of india ctrg2021 focusing on emerging opportunities and challenges in the field of transportation of people and freight the contents of the volume include traffic flow theory travel behaviour walking dynamics of pedestrians urban traffic characteristics and uncontrolled intersections this book will be beneficial to researchers educators practitioners and policymakers alike

Proceedings of the Sixth International Conference of Transportation Research Group of India 2022-09-01 this book discusses human factors research directed towards realizing and assessing sustainability in the built environment it reports on advanced engineering methods for sustainable infrastructure design as well as on assessments of the efficient methods and the social environmental and economic impact of various designs and projects the book covers a range of topics including the use of recycled materials in architecture ergonomics in buildings and public design sustainable design for smart cities design for the aging population industrial design human scale in architecture and many more based on the ahfe 2018 international conference on human factors sustainable urban planning and infrastructure held on july 21 25 2018 in orlando florida usa it offers various perspectives on sustainability and ergonomics as such it is a valuable reference resource for designers urban engineers architects infrastructure professionals public infrastructure owners policy makers government engineers and planners as well as operations managers and academics active in urban and infrastructure research

Advances in Human Factors, Sustainable Urban Planning and Infrastructure 2018-06-26 this book provides practical guidance and awareness for a growing body of knowledge developing across a variety of disciplines this initiative is a celebration of the gavriel salvendy international symposium gsis and provides a survey of topics and emerging areas of interest in human automation interaction this set of articles for the gsis emphasizes a main thematic area transportation main areas of coverage include section a interaction with vehicle automation section b hci in automated vehicles section c trust in vehicle automation section d physical modeling of vehicle cabs section e task simulation automation via digital human models section f maintenance and manufacturing section g smart cities and connected vehicles contributions from especially early career researchers were featured as part of this virtual symposium and celebration gavriel salvendy initiated the conferences that run annually as human computer interaction within lncs of springer and applied human factors and ergonomics international ahfe the book is inclusive of human computer interaction and human factors and ergonomics principles yet it is intended to serve a much wider audience that has interest in automation and human modeling the emerging need for human automation interaction expertise has developed from an ever growing availability and presence of automation in our everyday lives this initiative is intended to provide practical guidance and awareness for a growing body of knowledge developing across a variety of disciplines and many countries

**Human-Automation Interaction** 2022-10-31 the book includes contributions on the latest model based methods for the development of personal and commercial vehicle control devices the main topics treated are application of simulation and model design to development of driver assistance systems physical and database model design for engines motors powertrain undercarriage and the whole vehicle new simulation tools methods and optimization processes applications of simulation in function and software development function and software testing using hil mil and sil simulation application of simulation and optimization in application of control devices automation approaches at all stages of the development process

Simulation and Testing for Vehicle Technology 2016-05-17 this handbook is a comprehensive source of information analysis and directions in disaster studies it goes beyond the oft explored issues of management and science related to the topic and explores policies governance law and decision making combined with the

processes of implementation and enforcement all the while integrating the latest science and technology updates related to the topic such as artificial intelligence and early warning systems it brings together studies which relate to sociology politics and institutional economics which work under the impact of resource availability issues of leadership and international laws disasters are trans boundary and disaster studies are trans disciplinary it is this aspect which would form the fulcrum of contributions and present a new refreshing and innovative design for the handbook the transformatory pedagogy which started with the hyogo framework for action 2005 2015 and the sendai framework for disaster risk reduction 2015 2030 outlines seven clear targets and four priorities for action to prevent new and reduce existing disaster risks the four priority areas around which the book would revolve are i understanding disaster risk ii strengthening disaster risk governance to manage disaster risk iii investing in disaster reduction for resilience and iv enhancing disaster preparedness for effective response and to build back better in recovery rehabilitation and reconstruction International Handbook of Disaster Research 2023-09-30 this book increases the level of knowledge on road safety contexts issues and challenges shares what can currently be done to address the variety of issues and points to what needs to be done to make further gains in road safety

**Safe Mobility** 2018-04-18 this book presents 57 peer reviewed papers from the 12th conference on traffic and granular flow tgf held in washington dc in july 2017 it offers a unique synthesis of the latest scientific findings made by researchers from different countries institutions and disciplines the research fields covered range from physics computer science and engineering and they may be all grouped under the topic of traffic and granular flow the main theme of the conference was from molecular interactions to internet of things and smart cities the role of technology in the understanding and the evolution of particle dynamics

Traffic and Granular Flow '17 2019-10-23 electric vehicles prospects and challenges looks at recent design methodologies and technological advancements in electric vehicles and the integration of electric vehicles in the smart grid environment comprehensively covering the fundamentals theory and design recent developments and technical issues involved with electric vehicles considering the prospects challenges and policy status of specific regions and vehicle deployment the global case study references make this book useful for academics and researchers in all engineering and sustainable transport areas presents a systematic and integrated reference on the essentials of theory and design of electric vehicle technologies provides a comprehensive look at the research and development involved in the use of electric vehicle technologies includes global case studies from leading ev regions including nordic and european countries china and india Electric Vehicles: Prospects and Challenges 2017-07-11 bridge maintenance safety management life cycle sustainability and innovations contains lectures and papers presented at the tenth international conference on bridge maintenance safety and management jabmas 2020 held in sapporo hokkaido japan april 11 15 2021 this volume consists of a book of extended abstracts and a usb card containing the full papers of 571 contributions presented at jabmas 2020 including the tylin lecture 9 keynote lectures and 561 technical papers from 40 countries the contributions presented at iabmas 2020 deal with the state of the art as well as emerging concepts and innovative applications related to the main aspects of maintenance safety management life cycle sustainability and technological innovations of bridges major topics include advanced bridge design construction and maintenance approaches safety reliability and risk evaluation life cycle management life cycle sustainability standardization analytical models bridge management systems service life prediction maintenance and management strategies structural health monitoring non destructive testing and field testing safety resilience robustness and redundancy durability enhancement repair and rehabilitation fatigue and corrosion extreme loads and application of information and computer technology and artificial intelligence for bridges among others this volume provides both an up to date overview of the field of bridge engineering and significant contributions to the process of making more rational decisions on maintenance safety management life cycle sustainability and technological innovations of bridges for the purpose of enhancing the welfare of society the editors hope that these proceedings will serve as a valuable reference to all concerned with bridge structure and infrastructure systems including engineers researchers academics and students from all areas of bridge engineering

Bridge Maintenance, Safety, Management, Life-Cycle Sustainability and Innovations 2021-04-20 plants create a dynamic micro biosphere in the soil around the roots called as rhizosphere which harbors diverse number of microorganisms for sustaining their growth and development a soil with diverse and multi traits microbial communities is considered healthy to enhance crop productivity in the last decades rhizosphere biology has gained attention due to unraveling of new mechanisms processes and molecules in the rhizosphere that contributes towards the promotion of plant productivity the rhizospheric microbes and associated processes are being utilized for harnessing potential of soils in effective and sustainable functioning in the agro ecosystems broadly the book discusses rhizospheric microbes and their role in modulating functions of soil and

crop plant specifically it highlights conventional and modern aspects of rhizosphere microbes such as microbiome in the rhizosphere microbes as an indicator and promoter of soil health rhizosphere microbes as biofertilizer biostimulator and biofortifyer microbial signaling in the rhizosphere recent tools in deciphering rhizobiome and regulatory mechanisms for commercialization of biofertilizer biopesticide and biostimulator the book is useful for agriculture scientist biotechnologist plant pathologist mycologist and microbiologist farming community scientist of r d organization as well as teaching community researcher and student and policy maker **Rhizosphere Microbes** 2021-01-20

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