

ICCKE 2023

13th International Conference on Computer and Knowledge Engineering
Ferdowsi University of Mashhad, Mashhad, Iran
November 1 and 2, 2023



Conference General Topics:

Computer Network and Security
Computer Vision and Applications
Machine Learning and Applications
Software and Knowledge Engineering
Computer Architecture and Digital Design

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Important Dates:

Paper Submission Deadline: June 30, 2023
Extended Paper Submission Deadline: July 15, 2023
Notification of Acceptance: September 8, 2023
Camera Ready Deadline: October 6, 2023
Early Bird Registration: October 6, 2023
Registration Deadline: October 28, 2023
Conference Date: November 1-2, 2023



13th International Conference On Pipeline Protection

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13th International Conference On Pipeline Protection:

13th International Conference on Computational Intelligence in Security for Information Systems (CISIS 2020) Álvaro Herrero, Carlos Cambra, Daniel Urda, Javier Sedano, Héctor Quintián, Emilio Corchado, 2020-08-27 This book contains accepted papers presented at CISIS 2020 held in the beautiful and historic city of Burgos Spain in September 2020 The aim of the CISIS 2020 conference is to offer a meeting opportunity for academic and industry related researchers belonging to the various vast communities of computational intelligence information security and data mining The need for intelligent flexible behaviour by large complex systems especially in mission critical domains is intended to be the catalyst and the aggregation stimulus for the overall event After a thorough peer review process the CISIS 2020 International Program Committee selected 43 papers which are published in these conference proceedings achieving an acceptance rate of 28% Due to the COVID 19 outbreak the CISIS 2020 edition was blended combining on site and on line participation In this relevant edition a special emphasis was put on the organization of five special sessions related to relevant topics as Fake News Detection and Prevention Mathematical Methods and Models in Cybersecurity Measurements for a Dynamic Cyber Risk Assessment Cybersecurity in a Hybrid Quantum World Anomaly Intrusion Detection and From the least to the least cryptographic and data analytics solutions to fulfil least minimum privilege and endorse least minimum effort in information systems The selection of papers was extremely rigorous in order to maintain the high quality of the conference and we would like to thank the members of the Program Committees for their hard work in the reviewing process This is a crucial process to the creation of a high standard conference and the CISIS conference would not exist without their help

Proceedings of the 13th International Conference on Advanced Materials and Engineering Materials Laichang Zhang, 2025-08-31 This book contains the proceedings of the 13th International Conference on Advanced Materials and Engineering Materials ICAMEM 2024 which was held in Dubai UAE from December 16 to 18 2024 Over the past 12 years ICAMEM has established itself as a leading platform for sharing current and emerging materials and devices research The conference program for the year includes a diverse range of sessions featuring Plenary Keynote Invited and Oral presentations Esteemed speakers including Prof Weimin Huang from Nanyang Technological University Singapore Prof Katsuyuki Kida from University of Toyama Japan Prof Ali Reza Kamali from Northeastern University China Prof Laichang Zhang from School of Engineering Edith Cowan University Perth Australia delivered keynote addresses Dr Hamid Pourasiab from The University of Queensland Australia Dr Parvez Alam from The University of Edinburgh UK presented invited talks ICAMEM 2024 provides an attractive forum for researchers engineers and industry professionals to present their latest advancements in materials research and development This book serves as a comprehensive overview of the conference offering valuable insights into the state and future directions of the field In summary this book is an indispensable resource for those seeking to stay informed about the latest research and developments in advanced materials and engineering materials as showcased at ICAMEM 2024

Critical Infrastructure Protection XIII Jason Staggs, Sujeet Sheno, 2019-11-18 The information infrastructure comprising computers embedded devices networks and software systems is vital to operations in every sector chemicals commercial facilities communications critical manufacturing dams defense industrial base emergency services energy financial services food and agriculture government facilities healthcare and public health information technology nuclear reactors materials and waste transportation systems and water and wastewater systems Global business and industry governments indeed society itself cannot function if major components of the critical information infrastructure are degraded disabled or destroyed Critical Infrastructure Protection XIII describes original research results and innovative applications in the interdisciplinary field of critical infrastructure protection Also it highlights the importance of weaving science technology and policy in crafting sophisticated yet practical solutions that will help secure information computer and network assets in the various critical infrastructure sectors Areas of coverage include Themes and Issues Infrastructure Protection Vehicle Infrastructure Security Telecommunications Infrastructure Security Cyber Physical Systems Security and Industrial Control Systems Security This book is the thirteenth volume in the annual series produced by the International Federation for Information Processing IFIP Working Group 11 10 on Critical Infrastructure Protection an international community of scientists engineers practitioners and policy makers dedicated to advancing research development and implementation efforts focused on infrastructure protection The book contains a selection of sixteen edited papers from the Thirteenth Annual IFIP WG 11 10 International Conference on Critical Infrastructure Protection held at SRI International Arlington Virginia USA in the spring of 2019 Critical Infrastructure Protection XIII is an important resource for researchers faculty members and graduate students as well as for policy makers practitioners and other individuals with interests in homeland security

13th International Conference on Jetting Technology BHR Group Limited, 1996 **Pipeline Protection** J. Duncan, 1999-12 The condition of the pipeline is critical to its continued safe efficient and environmentally friendly operation One of the biggest challenges facing oil gas and process industry today is how to maintain the safety and economical operation of the pipelines beyond their original design life For new pipelines employing the latest techniques helps to optimise the installation for economic performance and extended working life There have been tremendous advances in the techniques and materials available in recent years but there is still demand for more information on the latest developments

ICCWS 2018 13th International Conference on Cyber Warfare and Security Dr. Louise Leenen, 2018-03-08 These proceedings represent the work of researchers participating in the 13th International Conference on Cyber Warfare and Security ICCWS 2018 which is being hosted this year by the National Defense University in Washington DC USA on 8 9 March 2018 **ICCWS 2020 15th International Conference on Cyber Warfare and Security** Prof. Brian K. Payne

, Prof. Hongyi Wu, 2020-03-12 *Oil and Gas Pipelines* R. Winston Revie, 2025-03-18 Discover the integrity safety and security of new and aging oil and gas pipelines in this comprehensive reference guide Oil and gas pipelines are typically used

to transport oil and gas but can be adapted to transport ethanol carbon dioxide hydrogen and more A pipeline network is an efficient method for transporting any number of energy providing products but safety and integrity are critical aspects of pipeline integrity management The demand for pipeline safety and security is increasing in the face of more stringent standards and deepening environmental concerns including those related to climate change Oil and Gas Pipelines Integrity Safety and Security Handbook provides a comprehensive introduction to the integrity of new and aging pipelines and their management repair and maintenance All major varieties of pipeline are included along with all pertinent public safety and environmental protections Now fully updated to reflect the latest research and technological developments the book is a critical contribution to the reliability and safety of the global energy grid and ongoing efforts at carbon capture utilization and storage Readers of the second edition of Oil and Gas Pipelines will also find 26 new chapters including a new section on the digitalization of pipelines Detailed discussion of topics including management of geohazards mechanical damage internal corrosion monitoring and many more Extensive case histories with practical accompanying solutions Oil and Gas Pipelines is ideal for engineers scientists technologists environmentalists students and others who need to understand the basics of pipeline technology as it pertains to energy deliverability environmental protection public safety and the important role of pipelines and pipeline security to ensure energy security during the energy transition

Smart Technologies in Urban Engineering Olga Arsenyeva,Tatiana Romanova,Maria Sukhonos,Yevgen Tsegelnyk,2022-11-29 This book offers a comprehensive review of smart technologies and perspectives on their application in urban engineering It covers a wide range of applications from transport and energy management to digital manufacturing smart city environment and sustainable development providing readers with new ideas for future research and collaborations This book presents select papers from the International Conference on Smart Technologies in Urban Engineering STUE 2022 held to commemorate the 100th anniversary of the O M Beketov National University of Urban Economy in Kharkiv Ukraine on June 9 11 2022 All the contributions offer plenty of valuable information and would be of great benefit to the experience exchange among scientists in urban engineering

Dredging Engineering Sape A. Miedema,2019-06-27 In dredging production estimating is carried out mainly with analytical physical models of the different dredging processes Slurry transport of settling slurries and cutting processes in sand clay and rock are already covered in two other books by the author Other processes like hopper sedimentation and erosion water jet fluidization cutter head spillage pump pipeline dynamics and clamshell dredging are covered in this Special Topics Edition New topics may be added in the near future

International Land Reclamation and Mine Drainage Conference and Third International Conference on the Abatement of Acidic Drainage: Abandoned mine lands and topical issues ,1994

Maintenance and Safety of Aging Infrastructure Dan Frangopol,Yiannis Tsompanakis,2014-10-23 This book presents the latest research findings in the field of maintenance and safety of aging infrastructure The invited contributions provide an overview of the use of advanced computational and or experimental

techniques in damage and vulnerability assessment as well as maintenance and retrofitting of aging structures and infrastructures such as buildings bridges lifelines and ships Cost efficient maintenance and management of civil infrastructure requires balanced consideration of both structural performance and the total cost accrued over the entire life cycle considering uncertainties In this context major topics treated in this book include aging structures climate adaptation climate change corrosion cost damage assessment decision making extreme events fatigue life hazards hazard mitigation inspection life cycle performance maintenance management NDT methods optimization redundancy reliability repair retrofit risk robustness resilience safety stochastic control structural health monitoring sustainability uncertainties and vulnerability Applications include bridges buildings dams marine structures pavements power distribution poles offshore platforms stadiums and transportation networks This up to date overview of the field of maintenance and safety of aging infrastructure makes this book a must have reference work for those involved with structures and infrastructures including students researchers and practitioners

Handbook of Research on Emerging Advancements and Technologies in Software Engineering Ghani, Imran,Kadir, Wan Mohd Nasir Wan,Ahmad, Mohammad Nazir,2014-04-30 Advanced approaches to software engineering and design are capable of solving complex computational problems and achieving standards of performance that were unheard of only decades ago Handbook of Research on Emerging Advancements and Technologies in Software Engineering presents a comprehensive investigation of the most recent discoveries in software engineering research and practice with studies in software design development implementation testing analysis and evolution Software designers architects and technologists as well as students and educators will find this book to be a vital and in depth examination of the latest notable developments within the software engineering community

Artificial Intelligence for Security Tuomo Sipola,Janne Alatalo,Monika Wolfmayr,Tero Kokkonen,2024-06-28 This book discusses the use of artificial intelligence AI for security purposes It is divided into three parts methodological fundamentals of AI use of AI for critical infrastructure protection and anomaly detection The first section describes the latest knowledge for creating safe AIs and using them to enhance protection This book also presents various domains and examples of AI driven security The chapters describe potential methods demonstrate use cases and discuss the challenges of the evolving field This includes topics such as defensive use of AI to detect threats It discusses the offensive use of AI to better understand the future threat landscape the use of AI for automation in critical infrastructure and overall challenges of AI usage for critical tasks As new threats emerge the use of AI technologies to protect the world one lives in is topical New technologies in this space have advanced rapidly and subsequently their use in enhancing protection is an evident development To this effect this book brings together a group of international researchers and professionals who present their views on how to create security through AI This book targets postgraduate students researchers and professionals who want to understand the use of AI for security Understanding latest advancements in this field will also be useful to those who want to comprehend modern cybersecurity in

detail and who want to follow research and latest trends

Fourth International Congress on Information and Communication Technology Xin-She Yang, Simon Sherratt, Nilanjan Dey, Amit Joshi, 2019-11-30 This book gathers selected high quality research papers presented at the Fourth International Congress on Information and Communication Technology held at Brunel University London on February 27 28 2019 It discusses emerging topics pertaining to information and communication technology ICT for managerial applications e governance e agriculture e education and computing technologies the Internet of things IoT and e mining Written by respected experts and researchers working on ICT the book offers a valuable asset for young researchers involved in advanced studies

Design and Installation of Marine Pipelines Mikael Braestrup, Jan B. Andersen, Lars Wahl Andersen, Mads B. Bryndum, Niels-J Rishøj Nielsen, 2009-02-12 This comprehensive handbook on submarine pipeline systems covers a broad spectrum of topics from planning and site investigations procurement and design to installation and commissioning It considers guidelines for the choice of design parameters calculation methods and construction procedures It is based on limit state design with partial safety coefficients

Metals Abstracts, 1996 **Surface Subsidence Engineering** Syd Peng, 2020-09-01 Underground coal mining disturbs both the overburden strata and the immediate floor strata The subject of surface subsidence deals with the issues associated with the movement of overburden strata which are the layers from the seam to the surface where structures and water resources important to human activities are located Surface Subsidence Engineering provides comprehensive coverage of the major issues associated with surface subsidence The chapters are written by experts on surface subsidence in the three leading coal producing and consuming countries in the world Australia China and the United States They discuss general features and terminologies subsidence prediction subsidence measurement techniques subsidence impact on water bodies subsidence damage mitigation and control and subsidence on abandoned coal mines In addition the final chapter addresses some of the unique features of surface subsidence found in Australian coal mines The book provides information on coal seams ranging from flat to gently inclined to steep to ultra steep seams Written for mining engineers geotechnical engineers and students of mining engineering this book covers both theories and practices of surface subsidence Unlike previous publications it also deals with the subsidence impact on surface and groundwater bodies crucial resources that are often neglected by subsidence researchers

Applied Informatics Hector Florez, Ma Florencia Pollo-Cattaneo, 2021-10-23 This book constitutes the thoroughly refereed papers of the 4th International Conference on Applied Informatics ICAI 2021 held in Buenos Aires Argentina in October 2021 The 35 full papers were carefully reviewed and selected from 89 submissions The papers are organized in topical sections on artificial intelligence data analysis decision systems health care information systems image processing security services simulation and emulation smart cities software and systems modeling software design engineering

The British National Bibliography Arthur James Wells, 2007

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