Salah M. Aburawe

Advanced Technique For Leak Detection and Location in Water Networks

Attempt to Build an Integrated System Among GIS, Hydraulic Modelling and SCADA to Solve the Problem of Water Leakage

Advanced Technique Detection Location Networks

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Advanced Technique Detection Location Networks:

Advanced Location-Based Technologies and Services Hassan A. Karimi,2016-04-19 Since the publication of the first edition in 2004 advances in mobile devices positioning sensors WiFi fingerprinting and wireless communications among others have paved the way for developing new and advanced location based services LBSs This second edition provides up to date information on LBSs including WiFi fingerprinting mobile computing geospatial clouds geospatial data mining location privacy and location based social networking It also includes new chapters on application areas such as LBSs for public health indoor navigation and advertising In addition the chapter on remote sensing has been revised to address advancements *Fault Location on Power Networks* Murari Mohan Saha,Jan Jozef Izykowski,Eugeniusz Rosolowski,2009-11-25 Fault Location on Power Lines enables readers to pinpoint the location of a fault on power lines following a disturbance The nine chapters are organised according to the design of different locators The authors do not simply refer the reader to manufacturers documentation but instead have compiled detailed information to allow for in depth comparison Fault Location on Power Lines describes basic algorithms used in fault locators focusing on fault location on overhead transmission lines but also covering fault location in distribution networks An application of artificial intelligence in this field is also presented to help the reader to understand all aspects of fault location on overhead lines including both the design and application standpoints Professional engineers researchers and postgraduate and undergraduate students will find Fault Location on Power Lines a valuable resource which enables them to reproduce complete algorithms of digital fault locators in their basic forms **Application of Advance Techniques in Power and Energy Systems** Partha Sarathee Bhowmik,Aashish Kumar Bohre,Mukesh Kumar Kirar,Mohan Lal Kolhe,S. Suwarno,2025-04-19 This book features high quality research papers presented at the International Conference on Computational Intelligence and Smart Technologies in Electrical Engineering CISTEE 2023 The book offers cutting edge solutions and applications used for predictive modeling and sustainable development of power and energy systems with the application of computational intelligence and smart technologies It discusses the use of different practical developments and brings together the experiences of leading experts in power and energy areas and the sustainability of various solutions concerning the technical social and economic aspects This book presents the perfect balance between depth and breadth of knowledge which makes it ideal for students and researchers **Geospatial and Soft Computing Techniques** P. V. Timbadiya,P. L. Patel,Vijay P. Singh,A. B. Mirajkar,2023-07-25 This book comprises the proceedings of the 26th International Conference on Hydraulics Water Resources and Coastal Engineering HYDRO 2021 focusing on broad spectrum of emerging opportunities and challenges in the field of soft computing and geospatial techniques in water resources engineering It covers a range of topics including but not limited to satellite derived data for hydrologic applications GIS and RS applications in water resources management rainfall and streamflow prediction hydro informatics data driven and artificial intelligent based hydrological modelling

optimization of water resources systems etc Presenting recent advances in the form of illustrations tables and text it offers readers insights for their own research In addition the book addresses fundamental concepts and studies in the field of Soft Computing and Geospatial Techniques in Water Resources Engineering making it a valuable resource for both beginners and researchers wanting to further their understanding of hydraulics water resources and coastal engineering **Wireless Internet** Shahid Mumtaz,Jonathan Rodriguez,Marcos Katz,Chonggang Wang,Alberto Nascimento,2015-05-20 This book constitutes the thoroughly refereed post conference proceedings of the 8th International Conference on Wireless Internet WICON 2014 held in Lisbon Portugal in November 2014 The 45 revised full papers were carefully reviewed and selected from numerous submissions The papers cover topics such as 5G mobile communications Internet of Things IoT super Wi Fi and V2V V21 *Handbook of Research on Advanced Techniques in Diagnostic Imaging and Biomedical Applications* Exarchos, Themis P.,Papadopoulos, Athanasios,Fotiadis, Dimitrios I.,2009-04-30 This book includes state of the art methodologies that introduce biomedical imaging in decision support systems and their applications in clinical practice Provided by publisher **Intelligent Techniques for Warehousing and Mining Sensor Network Data** Cuzzocrea, Alfredo,2009-12-31 This book focuses on the relevant research theme of warehousing and mining sensor network data specifically for the database data warehousing and data mining research communities Provided by publisher

INFORMATION TECHNOLOGY & BIOINFORMATICS INTERNATIONAL CONFERENCE ON ADVANCE IT, ENGINEERING AND MANAGEMENT SACAIM - 2023, VOLUME 2 Dr. Hemalatha N.,Mrs. K. Annapoorneshwari Shetty,Dr. Rakesh Kumar B.,2024-08-25 **Advanced Statistical Methods in Process Monitoring, Finance, and Environmental Science** Sven Knoth,Yarema Okhrin,Philipp Otto,2024-10-22 This book presents a unique collection of contributions on modern methods and applications in three key areas of statistics celebrating the significant work of Wolfgang Schmid in this field It is structured thematically into parts focusing on statistical process monitoring financial statistics and spatial statistics with environmetrics each featuring chapters from leading experts The opening articles on statistical process monitoring present novel methodologies for the detection of anomalies and control charting techniques which are crucial for maintaining quality in manufacturing processes Detailed discussions are included on integrating multivariate statistical methods and real time monitoring to enhance process reliability and efficiency The part on financial statistics explores rigorous approaches in financial econometrics with an emphasis on dynamic modelling of market volatility and risk assessment Contributions cover advanced asset allocation strategies leveraging high dimensional data analysis and the application of machine learning techniques Spatial statistics and environmetrics are addressed through innovative research on the statistical analysis of environmental data This includes the use of geostatistical models and hybrid models that combine traditional statistical techniques with machine learning to improve the prediction of environmental phenomena Key topics here involve the modelling of extremes and airborne pollutants the prediction of earthquakes using a smartphone based sensor network and

reviews of selected topics essential in modern spatial statistics Each part not only reflects Wolfgang Schmid s interests and impact in these areas but also provides detailed theoretical and applied studies demonstrating how these sophisticated statistical methods can be effectively employed in practical scenarios This makes the book an indispensable resource for researchers and practitioners looking to apply cutting edge statistical techniques in these complex fields *Advanced AI Methods for Plant Disease and Pest Recognition* Jucheng Yang,Yalin Wu,Alvaro Fuentes,Sook Yoon,Tonghai Liu,2024-06-06 Plant diseases and pests cause significant losses to farmers and threaten food security worldwide Monitoring the growing conditions of crops and detecting plant diseases is critical for sustainable agriculture Traditionally crop inspection has been carried out by people with expert knowledge in the field However regarding any activity carried out by humans this activity is prone to errors leading to possible incorrect decisions Innovation is therefore an essential fact of modern agriculture In this context deep learning has played a key role in solving complicated applications with increasing accuracy over time and recent interest in this type of technology has prompted its potential application to address complex problems in agriculture such as plant disease and pest recognition Although substantial progress has been made in the area several challenges still remain especially those that limit systems to operate in real world scenarios *StarBriefs 2001* ,2012-12-06 This compilation probably looks like one of the craziest things a human being could spend his or her time on Yet nobody would wonder at someone taking a short walk every day after twenty five years that person would have covered a surprisingly long distance This is exactly the story behind this list which appeared first as a few pages within the directory StarGuides or whatever name it had at that time and as a distinct sister publication since 1990 The idea behind this dictionary is to offer astronomers and related space scientists practical assistance in decoding the numerous abbreviations acronyms contractions and symbols which they might encounter in all aspects of the vast range of their professional activities including traveling Perhaps it is a bit paradoxical but if scientists quickly grasp the meaning of an acronym solely in their own specific discipline they will probably encounter more difficulties when dealing with adjacent fields It is for this purpose that this dictionary might be most often used Scientists might also refer to this compilation in order to avoid identifying a project by an acronym which already has too many meanings or confused definitions Palo Alto Networks Security Operations Professional Certification Practice 300 Questions & Answer QuickTechie.com | A career growth machine, Palo Alto Networks Certified Security Operations Professional Complete Exam Guide with Practice Q A is a comprehensive resource meticulously crafted to ensure confident preparation for the Security Operations Professional certification exam This essential guide available through QuickTechie com is specifically designed for Security Operations Center SOC professionals seeking to validate their profound understanding of Palo Alto Networks Cortex portfolio and to demonstrate job ready skills crucial for modern security operations This book simplifies the intricate certification process by offering clear concise explanations of each exam domain It integrates real world examples and targeted practice questions to solidify knowledge making it an invaluable asset

for anyone aiming to master the core competencies required to effectively apply and manage Palo Alto Networks Cortex solutions within real world SOC environments **Asynchronous On-Chip Networks and Fault-Tolerant Techniques** Wei Song,Guangda Zhang,2022-05-10 Asynchronous On Chip Networks and Fault Tolerant Techniques is the first comprehensive study of fault tolerance and fault caused deadlock effects in asynchronous on chip networks aiming to overcome these drawbacks and ensure greater reliability of applications As a promising alternative to the widely used synchronous on chip networks for multicore processors asynchronous on chip networks can be vulnerable to faults even if they can deliver the same performance with much lower energy and area compared with their synchronous counterparts faults can not only corrupt data transmission but also cause a unique type of deadlock By adopting a new redundant code along with a dynamic fault detection and recovery scheme the authors demonstrate that asynchronous on chip networks can be efficiently hardened to tolerate both transient and permanent faults and overcome fault caused deadlocks This book will serve as an essential guide for researchers and students studying interconnection networks fault tolerant computing asynchronous system design circuit design and on chip networking as well as for professionals interested in designing fault tolerant and high throughput asynchronous circuits **Artificial Intelligence and Applications** Amita Yadav,Amit M. Joshi,Mehmet Ergezer,Valentina Emilia Balas,2025-02-24 The papers in this book are high quality refereed papers presented at ICAIA 2024 the second International conference on Artificial Intelligence and Applications held at Maharaja Surajmal Institute of Technology New Delhi in collaboration with Wentworth Institute of Technology Boston USA in March 2024 This book presents new and innovative developments and applications in machine learning data mining neural networks computation optimisation technologies followed by research applications in signals language and classification prediction recommendations and systems This book is essential for researchers and practitioners in this field Proceedings ,1996 **Encyclopedia of Multimedia Technology and Networking** Pagani, Margherita,2005-05-30 This encyclopedia offers a comprehensive knowledge of multimedia information technology from an economic and technological perspective Provided by publisher **Scientific and Technical Aerospace Reports** ,1995 *Advanced planning, control, and signal processing methods and applications in robotic systems volume II* Zhan Li,Shuai Li,Yan Wu,2023-05-25 The 5-year Outlook on Science and Technology ,1981 **Advanced Methods and Applications for Neurointelligence** Manning Wang,Alois C. Knoll,Hu Cao,2024-05-31 Neurointelligence techniques play a key role in building general artificial intelligence systems Some researchers and engineers have tried to design novel bio inspired algorithms and hardware by mimicking the working principles of biological nervous systems Benefiting from the progress in representational learning neuroscience and computational hardware bio inspired research has greatly contributed to the development of neurointelligence Currently advanced bio inspired methods have been widely applied in robotics visual scene understanding medical image analysis human machine interaction and so on Moreover neurointelligence covers interdisciplinary topics with neuroscience robotics

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