

# Read Free Rapid Sensory Profiling Techniques Applications In New Product Development And Consumer Research Woodhead Publishing Series In Food Science Technology And Nutrition Free Download Pdf

Configuring and Deploying Open Source with IBM WebSphere Application Server Liberty Profile Sep 24 2019 This IBM® Redbooks® publication explains the capabilities of IBM WebSphere® Application Server Liberty profile (Liberty profile), which is lightweight, easy to install, and fast to use. Liberty profile provides a convenient and capable platform for developing and testing your web and OSGi applications. The Liberty profile server is built by using OSGi technology and concepts. The fit-for-purpose nature of the run time relies on the dynamic behavior that is inherent in the OSGi framework and service registry. As bundles are installed or uninstalled from the framework, their services are automatically added or removed from the service registry. The result is a dynamic, composable run time that can be provisioned with only what your application requires and responds dynamically to

configuration changes as your application evolves. This book can help you install, customize, and configure several popular open source technologies that can be deployed effectively with the Liberty profile server. The following popular open source toolkits for the Liberty profile server were selected for this book based on the significant enhancements they provide to the web application development process: Apache Maven Spring Framework Hibernate Jenkins Opscode Chef Arquillian MongoDB In this book, the Todo sample demonstrates the use of multiple open source frameworks or toolkits with the Liberty profile server, including Maven, MongoDB, Spring, JPA, Arquillian, Wicket, and others. The Todo sample is a simple application that can be used to create, update, and delete todo items and todo lists, and put the todo items into a related todo list.

Critical Developments and Applications of Swarm Intelligence Nov 26 2019 Artificial intelligence is a constantly advancing field that requires models in order to accurately create functional systems. The use of natural acumen to create artificial intelligence creates a field of research in which the natural and the artificial meet in a new and innovative way. Critical Developments and Applications of Swarm Intelligence is a critical academic publication that examines developing research, technologies, and function regarding natural and artificial acumen specifically, in regards to self-

organized systems. Featuring coverage on a broad range of topics such as evolutionary algorithms, optimization techniques, and computational comparison, this book is geared toward academicians, students, researchers, and engineers seeking relevant and current research on the progressive research based on the implementation of swarm intelligence in self-organized systems.

First International Conference on Artificial Intelligence and Cognitive Computing Dec 08 2020 This book presents original research works by researchers, engineers and practitioners in the field of artificial intelligence and cognitive computing. The book is divided into two parts, the first of which focuses on artificial intelligence (AI), knowledge representation, planning, learning, scheduling, perception-reactive AI systems, evolutionary computing and other topics related to intelligent systems and computational intelligence. In turn, the second part focuses on cognitive computing, cognitive science and cognitive informatics. It also discusses applications of cognitive computing in medical informatics, structural health monitoring, computational intelligence, intelligent control systems, bio-informatics, smart manufacturing, smart grids, image/video processing, video analytics, medical image and signal processing, and knowledge engineering, as well as related applications.

Advanced Methods, Techniques, and Applications in Modeling and Simulation Aug 16 2021 This book is a compilation of research accomplishments in the fields of modeling, simulation, and their applications, as presented at AsiaSim 2011 (Asia Simulation Conference 2011). The conference, held in Seoul, Korea, November 16-18, was organized by ASIASIM (Federation of Asian Simulation Societies), KSS (Korea Society for Simulation), CASS (Chinese Association for System Simulation), and JSST (Japan Society for Simulation Technology). AsiaSim 2011 provided a forum for scientists, academicians, and professionals from the Asia-Pacific region and other parts of the world to share their latest exciting research findings in modeling and simulation methodologies, techniques, and their tools and applications in military, communication network, industry, and general engineering problems.

Multi-Agent Systems and Applications IV Mar 23 2022 The aim of the CEEMAS conference series is to provide a biennial forum for the presentation of multi-agent research and development results. With its particular geographical orientation towards Central and Eastern Europe, CEEMAS has become an internationally recognised event with participants from all over the world. After the successful CEEMAS conferences in St. Petersburg (1999), Cracow (2001) and Prague (2003), the 2005 CEEMAS conference takes place in Budapest.

The programme committee of the conference series consists of established researchers from the region and renowned international colleagues, showing the prominent rank of CEEMAS among the leading events in multi-agent systems. In the very competitive field of agent oriented conferences and workshops nowadays (such as AAMAS, WIIAT, EUMAS, CIA, MATES) the special profile of CEEMAS is that it is trying to bridge the gap between applied research achievements and theoretical research activities. Our ambition is to provide a forum for presenting theoretical research with an evident application potential, implemented application prototypes and their properties, as well as industrial case studies of successful (but also unsuccessful) agent technology deployments. This is why the CEEMAS proceedings volume provides a collection of research and application papers. The technical research paper section of the proceedings (see pages 11-499) contains pure research papers as well as research results in application settings while the application papers section (see pages 500-530) contains papers focused on application aspects. The goal is to demonstrate the real life value and commercial reality of multi-agent systems as well as to foster communication between academia and industry in this field.

### Sensory Evaluation of Food: Principles and Practices

Apr 11 2021 The book is designed as a text for

undergraduate and graduate courses in sensory evaluation and as a reference for industrial practitioners. It covers all the basic techniques of sensory testing, from simple discrimination tests to home use placements for consumers. It provides a practical guide to how tests are conducted and, for the reader who wishes a deeper understanding, provides the fundamental psychological and statistical theories that form the basis and rationale for sensory test design. Statistics used in sensory evaluation are demonstrated as integrated applications in the context of appropriate sensory methods and are also presented as a stand-alone material in appendixes. Statistical applications are tailored to common and relevance are obvious, and space is not wasted on designs or analyses that are not suitable for data collection from human observers. The text presents divergent philosophies in a balanced manner. Chapters are constructed so that beginning students who want only practical aspects of conducting sensory tests will find clear instructions on how tests should be conducted. Advanced students and practitioners will profit from the detailed section on rationale and sensory evaluation issues. "It covers the entire spectrum of sensory analysis. I have read many books on this intriguing subject, but this is the Rolls-Royce." a?? Aubrey Parsons, governing council member, International Union for Food Science and Technology

## Vertical Seismic Profiling : Technique Applications and Case Histories Jul 27 2022

Decision Analytics Applications in Industry May 01 2020

This book presents a range of qualitative and quantitative analyses in areas such as cybersecurity, sustainability, multivariate analysis, customer satisfaction, parametric programming, software reliability growth modeling, and blockchain technology, to name but a few. It also highlights integrated methods and practices in the areas of machine learning and genetic algorithms. After discussing applications in supply chains and logistics, cloud computing, six sigma, production management, big data analysis, satellite imaging, game theory, biometric systems, quality, and system performance, the book examines the latest developments and breakthroughs in the field of science and technology, and provides novel problem-solving methods. The themes discussed in the book link contributions by researchers and practitioners from different branches of engineering and management, and hailing from around the globe. These contributions provide scholars with a platform to derive maximum utility in the area of analytics by subscribing to the idea of managing business through system sciences, operations, and management. Managers and decision-makers can learn a great deal from the respective chapters, which will help them devise their own business

strategies and find real-world solutions to complex industrial problems.

Journal for Medicaid Management Mar 30 2020

A Guide to Forensic DNA Profiling Oct 06 2020 The increasingly arcane world of DNA profiling demands that those needing to understand at least some of it must find a source of reliable and understandable information. Combining material from the successful Wiley Encyclopedia of Forensic Science with newly commissioned and updated material, the Editors have used their own extensive experience in criminal casework across the world to compile an informative guide that will provide knowledge and thought-provoking articles of interest to anyone involved or interested in the use of DNA in the forensic context. Following extensive introductory chapters covering forensic DNA profiling and forensic genetics, this comprehensive volume presents a substantial breadth of material covering: Fundamental material - including sources of DNA, validation, and accreditation Analysis and interpretation - including, extraction, quantification, amplification and interpretation of electropherograms (epgs) Evaluation - including mixtures, low template, and transfer Applications - databases, paternity and kinship, mitochondrial-DNA, wildlife DNA, single-nucleotide polymorphism, phenotyping and familial searching Court - report writing, discovery, cross examination, and

current controversies With contributions from leading experts across the whole gamut of forensic science, this volume is intended to be authoritative but not authoritarian, informative but comprehensible, and comprehensive but concise. It will prove to be a valuable addition, and useful resource, for scientists, lawyers, teachers, criminologists, and judges.

Novel Techniques in Sensory Characterization and Consumer Profiling Oct 30 2022 Sensory

characterization is one of the most powerful, sophisticated, and extensively applied tools in sensory science. Descriptive analysis with trained assessors has been traditionally used for sensory characterization. Due to the cost of time and money required for its application, several novel methodologies, which do not require training, have been recently developed and are gaining popularity as quick and reliable options for gathering sensory information. These methodologies enable the study of consumers' perceptions of the sensory characteristics of products. However, information on these techniques is scattered in scientific journal articles, which hinders their application and creates a need for a book to assemble the details of the latest advances. Novel Techniques in Sensory Characterization and Consumer Profiling provides a comprehensive overview of classical and novel methods for sensory characterization of food and nonfood products. The book

presents the history behind descriptive analysis, describes the most common novel methodologies and detailed information for their implementation, and discusses examples of applications and case studies. It also includes an introduction to exploratory multivariate analysis, addressing the theory and application of some of the most useful multivariate statistical tools applied in the analysis of consumer profiling data sets. Most of the data analysis is implemented in the statistical free software R, making the book accessible to readers unfamiliar with complex statistical software. Chapters examine a range of techniques including the ideal profile method, just-about-right scales in consumer research, free choice profiling, flash profiling, and repertory grid methods. They cover emerging profiling methods, such as sorting, and projective mapping or Napping . Other techniques less frequently used for sensory profiling are also considered: the application of open-ended questions for sensory characterization, polarized sensory positioning, and the consumer-friendly check-all-that-apply questions. In addition, dynamic sensory characterization methods, useful for studying temporal aspects of in-mouth sensory perception, are described. The final chapter provides a critical comparison of the methodologies discussed, their advantages and disadvantages, and general recommendations for their application.

Quantitative Analysis of Geopressure for Geoscientists and Engineers Dec 28 2019 An overview of the processes related to geopressure development, prediction and detection using state-of-the-art tools and technologies.

On The Move to Meaningful Internet Systems 2003: OTM 2003 Workshops Jun 13 2021 This book constitutes the joint refereed proceedings of six international workshops held as part of OTM 2003 in Catania, Sicily, Italy, in November 2003. The 80 revised full workshop papers presented together with various abstracts and summaries were carefully reviewed and selected from a total of 170 submissions. In accordance with the workshops, the papers are organized in topical main sections on industrial issues, human computer interface for the semantic Web and Web applications, Java technologies for real-time and embedded systems, regulatory ontologies and the modelling of complaint regulations, metadata for security, and reliable and secure middleware.

Robotic Systems: Concepts, Methodologies, Tools, and Applications Nov 18 2021 Through expanded intelligence, the use of robotics has fundamentally transformed a variety of fields, including manufacturing, aerospace, medicine, social services, and agriculture. Continued research on robotic design is critical to solving various dynamic obstacles individuals,

enterprises, and humanity at large face on a daily basis. **Robotic Systems: Concepts, Methodologies, Tools, and Applications** is a vital reference source that delves into the current issues, methodologies, and trends relating to advanced robotic technology in the modern world.

Highlighting a range of topics such as mechatronics, cybernetics, and human-computer interaction, this multi-volume book is ideally designed for robotics engineers, mechanical engineers, robotics technicians, operators, software engineers, designers, programmers, industry professionals, researchers, students, academicians, and computer practitioners seeking current research on developing innovative ideas for intelligent and autonomous robotics systems.

**Novel Techniques in Sensory Characterization and Consumer Profiling** Nov 30 2022 Sensory characterization is one of the most powerful, sophisticated, and extensively applied tools in sensory science. Descriptive analysis with trained assessors has been traditionally used for sensory characterization. Due to the cost of time and money required for its application, several novel methodologies, which do not require training, have been recently developed and are gaining popularity as quick and reliable options for gathering sensory information. These methodologies enable the study of consumers' perceptions of the sensory characteristics of products. However, information on

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that-apply questions. In addition, dynamic sensory characterization methods, useful for studying temporal aspects of in-mouth sensory perception, are described. The final chapter provides a critical comparison of the methodologies discussed, their advantages and disadvantages, and general recommendations for their application.

Criminal Profiling Feb 07 2021 Criminal Profiling: An Introduction to Behavioral Evidence Analysis, Fifth Edition, maintains the same core foundation that made previous editions best sellers in the professional and academic community worldwide. Written for practicing behavioral analysts and aspiring students alike, this work emphasizes an honest understanding of crime and criminals. Newly updated, mechanisms for the examination and classification of both victim and offender behavior have been improved. In addition to refined approaches toward international perspectives, chapters on psychological autopsies, scene investigation reconstruction, court issues and racial profiling have also been added. Outlines the scientific principles and practice standards of BEA-oriented criminal profiling, with an emphasis on applying theory to real cases  
Contains contributions from law enforcement, academia, mental health fields, and forensic science communities  
Includes a complete glossary of terms, along with an instructor website and student companion site

Applications of Geographical Offender Profiling May 25 2022 Many law enforcement agencies are now analyzing where a crime is committed, to develop predictions on the offender, their location and other factors that could help with the investigation. Known as Geographical Offender Profiling (GOP), this approach relies on a combination of principles and methodologies drawn from many different disciplines, including psychology, geography, criminology and forensic science. This book brings together a cross-section of the major papers published in the field of GOP to explain the scope and application of GOP in different criminal contexts. For the first time some widely quoted but difficult to obtain 'classic' papers have been published together with an introduction that provides an up-to-the-minute context and an extensive bibliography of the most relevant publications in this burgeoning area of study.

Rapid Sensory Profiling Techniques Jan 01 2023 Sensory analysis is an important tool in new product development. There has recently been significant development in the methods used to capture sensory perception of a product. Rapid Sensory Profiling Techniques provides a comprehensive review of rapid methods for sensory analysis that can be used as alternatives or complementary to conventional descriptive methods. Part one looks at the evolution of sensory perception capture methods. Part two focuses

on rapid methods used to capture sensory perception, and part three covers their applications in new product development and consumer research. Finally, part four explores the applications of rapid methods in testing specific populations.

InfoWorld May 13 2021 InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

The Application Profile Model Apr 23 2022

Security and Privacy in Communication Networks Jun 01 2020 This book constitutes the thoroughly refereed post-conference proceedings of the 5th International ICST Conference, SecureComm 2009, held in September 2009 in Athens, Greece. The 19 revised full papers and 7 revised short papers were carefully reviewed and selected from 76 submissions. The papers cover various topics such as wireless network security, network intrusion detection, security and privacy for the general internet, malware and misbehavior, sensor networks, key management, credentials and authentications, as well as secure multicast and emerging technologies.

Handbook of Exploration Geophysics Mar 11 2021 Geophysics, the excellent exploration tool which traditionally uses the latest techniques has been in great demand, and has assisted by remarkable development

of the methods which consist of gravimetry, electromagnetics and, the most important, seismic reflection. The book is presented like an encyclopedia. One may find an exact definition, illustrated with simple sketches, precise formulae & orders of magnitude & data which have so often been missing.

Software Engineering Research, Management and Applications Jan 27 2020 The 6th ACIS International Conference on Software Engineering, Research, Management and Applications (SERA 2008) was held in Prague in the Czech Republic on August 20 - 22. SERA '08 featured excellent theoretical and practical contributions in the areas of formal methods and tools, requirements engineering, software process models, communication systems and networks, software quality and evaluation, software engineering, networks and mobile computing, parallel/distributed computing, software testing, reuse and metrics, database retrieval, computer security, software architectures and modeling. Our conference officers selected the best 17 papers from those papers accepted for presentation at the conference in order to publish them in this volume. The papers were chosen based on review scores submitted by members or the program committee, and underwent further rounds of rigorous review.

Descriptive Analysis in Sensory Evaluation Sep 28 2022  
A comprehensive review of the techniques and

applications of descriptive analysis Sensory evaluation is a scientific discipline used to evoke, measure, analyse and interpret responses to products perceived through the senses of sight, smell, touch, taste and hearing. It is used to reveal insights into the ways in which sensory properties drive consumer acceptance and behaviour, and to design products that best deliver what the consumer wants. Descriptive analysis is one of the most sophisticated, flexible and widely used tools in the field of sensory analysis. It enables objective description of the nature and magnitude of sensory characteristics for use in consumer-driven product design, manufacture and communication. Descriptive Analysis in Sensory Evaluation provides a comprehensive overview of a wide range of traditional and recently-developed descriptive techniques, including history, theory, practical considerations, statistical analysis, applications, case studies and future directions. This important reference, written by academic and industrial sensory scientist, traces the evolution of descriptive analysis, and addresses general considerations, including panel set-up, training, monitoring and performance; psychological factors relevant to assessment; and statistical analysis. Descriptive Analysis in Sensory Evaluation is a valuable resource for sensory professionals working in academia and industry, including sensory scientists, practitioners, trainers and students, and industry-based researchers in

quality assurance, research and development, and marketing.

Sensors and Their Applications VIII, Proceedings of the eighth conference on Sensors and their Applications, held in Glasgow, UK, 7-10 September 1997 Jul 15 2021  
Sensors and Their Applications VIII provides a valuable forum for individuals from all over the world working in all areas of sensors to meet and discuss the developments and applications of transducers and sensor systems. The strength of the sensor community in the UK reinforces the importance of this volume as a valuable reference for all workers in the field.

Metabolomics in Food and Nutrition Jan 09 2021  
Metabolomics enables valuable information about the biochemical composition of foods to be rapidly obtained. Since the biochemical profile of food largely determines key food properties such as flavour and shelf life, the information gained using metabolomics-based methods will enable greater control of food quality and also help to determine the relationship between diet and health. Metabolomics in food and nutrition provides an overview of their current and potential use in the food industry. Part one reviews equipment, methods and data interpretation in metabolomics including the use of nuclear magnetic resonance (NMR), statistical methods in metabolomics, and metabolic reconstruction databases and their application to metabolomics

research. Part two explores applications of metabolomics in humans, plants and food. Chapters discuss metabolomics in nutrition, human samples for health assessments, and current methods for the analysis of human milk oligosaccharides (HMOs) and their novel applications. Further chapters highlight metabolomic analysis of plants and crops, metabolomics for the safety assessment of genetically modified (GM) crops, and applications of metabolomics in food science including food composition and quality, sensory and nutritional attributes. With its distinguished editors and team of expert contributors, Metabolomics in food and nutrition is a technical resource for industrial researchers in the food and nutrition sectors interested in the potential of metabolomics methods and academics and postgraduate students working in the area. Provides an overview of the current and potential future use of metabolomics in the food industry Chapters focus on key applications and review the analytical methods used and the bioinformatics techniques involved in processing the results Discusses metabolomics in nutrition, human samples for health assessments, and current methods for the analysis of human milk oligosaccharides (HMOs) and their novel applications

Big Digital Forensic Data Feb 19 2022 This book provides an in-depth understanding of big data challenges to digital forensic investigations, also known

as big digital forensic data. It also develops the basis of using data mining in big forensic data analysis, including data reduction, knowledge management, intelligence, and data mining principles to achieve faster analysis in digital forensic investigations. By collecting and assembling a corpus of test data from a range of devices in the real world, it outlines a process of big digital forensic data analysis for evidence and intelligence. It includes the results of experiments on vast volumes of real digital forensic data. The book is a valuable resource for digital forensic practitioners, researchers in big data, cyber threat hunting and intelligence, data mining and other related areas.

Recent Trends in Network Security and Applications  
Jun 25 2022 The Third International Conference on Network Security and Applications (CNSA-2010) focused on all technical and practical aspects of security and its applications for wired and wireless networks. The goal of this conference is to bring together researchers and practitioners from academia and industry to focus on understanding modern security threats and countermeasures, and establishing new collaborations in these areas. Authors are invited to contribute to the conference by submitting articles that illustrate research results, projects, survey work and industrial experiences describing significant advances in the areas of security and its applications, including:

- Network and Wireless

Network Security • Mobile, Ad Hoc and Sensor Network Security • Peer-to-Peer Network Security • Database and System Security • Intrusion Detection and Prevention • Internet Security, and Applications Security and Network Management • E-mail Security, Spam, Phishing, E-mail Fraud • Virus, Worms, Trojan Protection • Security Threats and Countermeasures (DDoS, MiM, Session Hijacking, Replay attack etc. ) • Ubiquitous Computing Security • Web 2. 0 Security • Cryptographic Protocols • Performance Evaluations of Protocols and Security Application There were 182 submissions to the conference and the Program Committee selected 63 papers for publication. The book is organized as a collection of papers from the First International Workshop on Trust Management in P2P Systems (IWTMP2PS 2010), the First International Workshop on Database Management Systems (DMS- 2010), and the First International Workshop on Mobile, Wireless and Networks Security (MWNS-2010).

Reconfigurable Computing: Architectures, Tools and Applications Jul 03 2020 This book constitutes the refereed proceedings of the 8th International Symposium on Reconfigurable Computing: Architectures, Tools and Applications, ARC 2012, held in Hongkong, China, in March 2012. The 35 revised papers presented, consisting of 25 full papers and 10 poster papers were carefully reviewed and selected from 44 submissions.

The topics covered are applied RC design methods and tools, applied RC architectures, applied RC applications and critical issues in applied RC.

Application of Bioinformatics in Cancers Aug 04 2020  
This collection of 25 research papers comprised of 22 original articles and 3 reviews is brought together from international leaders in bioinformatics and biostatistics. The collection highlights recent computational advances that improve the ability to analyze highly complex data sets to identify factors critical to cancer biology. Novel deep learning algorithms represent an emerging and highly valuable approach for collecting, characterizing and predicting clinical outcomes data. The collection highlights several of these approaches that are likely to become the foundation of research and clinical practice in the future. In fact, many of these technologies reveal new insights about basic cancer mechanisms by integrating data sets and structures that were previously immiscible. Accordingly, the series presented here bring forward a wide range of artificial intelligence approaches and statistical methods that can be applied to imaging and genomics data sets to identify previously unrecognized features that are critical for cancer. Our hope is that these articles will serve as a foundation for future research as the field of cancer biology transitions to integrating electronic health record, imaging, genomics and other complex datasets in order to

develop new strategies that improve the overall health of individual patients.

### Advanced Data Mining and Applications Sep 16 2021

This book constitutes the refereed proceedings of the First International Conference on Advanced Data Mining and Applications, ADMA 2005, held in Wuhan, China in July 2005. The conference was focused on sophisticated techniques and tools that can handle new fields of data mining, e.g. spatial data mining, biomedical data mining, and mining on high-speed and time-variant data streams; an expansion of data mining to new applications is also strived for. The 25 revised full papers and 75 revised short papers presented were carefully peer-reviewed and selected from over 600 submissions. The papers are organized in topical sections on association rules, classification, clustering, novel algorithms, text mining, multimedia mining, sequential data mining and time series mining, web mining, biomedical mining, advanced applications, security and privacy issues, spatial data mining, and streaming data mining.

Advances in Secure Computing, Internet Services, and Applications Dec 20 2021 Technological advancements have extracted a vast amount of useful knowledge and information for applications and services. These developments have evoked intelligent solutions that have been utilized in efforts to secure this data and

avoid potential complex problems. *Advances in Secure Computing, Internet Services, and Applications* presents current research on the applications of computational intelligence in order to focus on the challenge humans face when securing knowledge and data. This book is a vital reference source for researchers, lecturers, professors, students, and developers, who have interest in secure computing and recent advanced in real life applications.

*The Archaeological and Forensic Applications of Microfossils: A Deeper Understanding of Human History*  
*The Archaeological and Forensic Applications of Microfossils* Nov 06 2020 Microfossils are an abundant component of the sedimentary rock record. Their analysis can reveal not only the environments in which the rocks were deposited, but also their age. When combined, the spatial and temporal distribution patterns of microfossils offer enormous utility for archaeological and forensic investigations. Their presence can act as a geological ‘fingerprint’ and the tiniest fragment of material, such as a broken Iron Age potsherd, can contain a microfossil signature that reveals the geographical source of the materials under investigation. This book explores how microfossils are employed as tools to interpret human society and habitation throughout history. Examples include microfossil evidence associated with Palaeolithic human occupation

at Boxgrove in Sussex, alongside investigations into human-induced landscape change during the Holocene. Further examples include the use of microfossils to provenance the source materials of Iron Age ceramics, Roman mosaics and Minoan pottery, in addition to their application to help solve modern murder cases, highlighting the diverse applications of microfossils to improving our understanding of human history.

IBM WebSphere Application Server Liberty Profile Guide for Developers Oct 25 2019 IBM® WebSphere® Application Server V8.5 includes a Liberty profile, which is a highly composable, dynamic application server profile. It is designed for two specific use cases: Developer with a smaller production run time, and production environments. For a developer, it focuses on the tasks that a developer does most frequently and makes it possible for the developer to complete those tasks as quickly and as simply as possible. For production environments, it provides a dynamic, small footprint run time to be able to maximize system resources. This IBM Redbooks® publication provides you with information to effectively use the WebSphere Application Server V8.5 Liberty profile along with the WebSphere Application Server Developer Tools for Eclipse, for development and testing of web applications that do not require a full Java Platform. It provides a quick guide on getting started, providing a scenario-

based approach to demonstrate the capabilities of the Liberty profile along with the developer tools. This provides a simplified, but comprehensive, application development and testing environment. The intended audience for this book is developers of web and Open Services Gateway initiative (OSGi) applications who are familiar with web and OSGi application concepts. This book has been updated to reflect the new features in WebSphere Application Server.

The Semantic Web: Research and Applications Oct 18 2021 This book constitutes the refereed proceedings of the 9th Extended Semantic Web Conference, ESWC 2012, held in Heraklion, Crete, Greece, in May 2012. The 53 revised full papers presented were carefully reviewed and selected from 212 submissions. They are organized in tracks on linked open data, machine learning, natural language processing and information retrieval, ontologies, reasoning, semantic data management, services, processes, and cloud computing, social Web and Web science, in-use and industrial, digital libraries and cultural heritage, and e-government. The book also includes 13 PhD papers presented at the PhD Symposium.

Application of Continuous Seismic-reflection Techniques to Delineate Paleochannels Beneath the Neuse River at U.S. Marine Corps Air Station, Cherry Point, North Carolina Aug 28 2022

Rock Fractures and Fluid Flow Jan 21 2022 Scientific understanding of fluid flow in rock fractures--a process underlying contemporary earth science problems from the search for petroleum to the controversy over nuclear waste storage--has grown significantly in the past 20 years. This volume presents a comprehensive report on the state of the field, with an interdisciplinary viewpoint, case studies of fracture sites, illustrations, conclusions, and research recommendations. The book addresses these questions: How can fractures that are significant hydraulic conductors be identified, located, and characterized? How do flow and transport occur in fracture systems? How can changes in fracture systems be predicted and controlled? Among other topics, the committee provides a geomechanical understanding of fracture formation, reviews methods for detecting subsurface fractures, and looks at the use of hydraulic and tracer tests to investigate fluid flow. The volume examines the state of conceptual and mathematical modeling, and it provides a useful framework for understanding the complexity of fracture changes that occur during fluid pumping and other engineering practices. With a practical and multidisciplinary outlook, this volume will be welcomed by geologists, petroleum geologists, geoengineers, geophysicists, hydrologists, researchers, educators and students in these fields, and public officials involved in geological projects.

Endometrial Gene Expression Sep 04 2020 The endometrium goes through cyclical changes under the influence of hormones, and immune effectors in the endometrium change their populations cyclically as well. Dynamic changes in immune effectors determine endometrial cytokine and chemokine milieus and, consequently, the endometrial immune response. Endometrial immune responses have been shown to be important for trophoblast invasion and early pregnancy. Indeed, dysregulated endometrial inflammatory immune responses are associated with reproductive failures, such as recurrent pregnancy losses, repeated implantation failure, and gynecological diseases with oncogenic potential. Hence, the investigation of endometrial gene expression may predict infertility, gynecological and oncological conditions. This book presents the state of the art in endometrial gene expression as well as recent developmental findings relating to reproduction and reproductive disorders. It begins with a review of the genetic regulation of urogenital tract formation and molecular mechanism underlying the physiology of menstrual cycle before moving on to the current and emerging technological advances in molecular biology. Endometrial gene expressions of immune inflammatory conditions, viral infection, metabolic and nutritional conditions, and reproductive disorders are then presented in following

chapters. Examples of the use and interpretation of gene expression in clinical scenarios including recurrent pregnancy losses, infertility and multiple implantation failures are presented with currently available endometrial gene analysis. Utilizing the latest evidence and clinical guidelines, Endometrial Gene Expression will be a cutting-edge resource for gynecologist, reproductive immunologist, reproductive endocrinologists, obstetrician, maternal fetal medicine specialist and other health care providers in the field of reproductive medicine.

Applications of Geographical Offender Profiling Aug 23 2019 This book brings together major papers published in the field of Geographical Offender Profiling to explain its scope and application in different criminal contexts. For the first time 'classic' papers have been collected together with an introduction that provides an up-to-the-minute context and an extensive bibliography.

Crack-induced Anisotropy and Its Effect on Vertical Seismic Profiling Feb 28 2020

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