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Microservices deployments then can use a message bus to decouple and manage ... broker and Apache BookKeeper. BookKeeper is a project for building services requiring low latency, fault tolerant ...

Why developers should use Apache Pulsar

enables businesses to capitalize on Apache Spark, an open-source unified analytics engine for fast large-scale data processing and machine learning, on the Kubernetes platform. Spark provides a ...

NetApp scoops up Data Mechanics to add Spark analytics

Yugabyte announces a new integration with Hasura to deliver true cloud elasticity and ease of use for application development using GraphQL.

Yugabyte And Hasura Integration Provides Cloud Elasticity and a Frictionless Application Development Experience

Monday, June 8: 11:00 a.m. - 2:00 p.m. (ET) / 8:00 a.m. - 11:00 a.m. (PT) Knowledge graphs are a valuable tool that organizations can use to manage the vast amounts ... compares with benchmark data, ...

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The WD My Book Live app allows owners to access their files and manage their devices remotely ... 16:02:30 My BookLive _: pkg: apache-php-webdav Jun 23 16:02:31 My BookLive _: pkg: date-time ...

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How to supervise correct behavior to achieve trust and control learning? Or ... specified in system requirement specifications. Fault Injection. Fault injection techniques make use of external ...

Validation of Autonomous Systems

LogicMonitor, a leading cloud-based infrastructure monitoring and observability platform, is acquiring Dexda, a big data and machine learning predictive fault identification ... virtually impossible ...

Master Data Management

This enable users to more efficiently build, deploy, integrate and manage all of your platform applications. The solution uses a mixture of machine learning and AI to provide a service that offers ...

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private notebook permissions management; and fault-tolerant real-time Spark streaming support. (Related: Databricks announces Apache Spark 1.4 with SparkR) Databricks is available as a hosted ...

Spark Summit: Apache Spark news from Databricks, MapR and more

This new use of DConE, the only commercialized version of the Paxos algorithm, will offer a guaranteed fault-tolerant alternative to the Raft algorithm, commonly used in digital ledger technologies ...

WANdisco Integrates DConE into Permissioned Blockchain Frameworks

PALO ALTO, Calif., June 16, 2021 (GLOBE NEWSWIRE) -- ScyllaDB, makers of the high-performance Scylla NoSQL database, today announced deep integration with Apache Kafka® and Confluent. The new ...

ScyllaDB Announces Comprehensive Support for Apache Kafka

Adjusting how we manage risks improves our learning speed through the iterative no-regrets, fail-adjust-and-retry approach. But that’s only the beginning of the journey: there’s still a larger ...

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Confluent offers a streaming platform based on Apache Kafka that enables companies ... an open-source technology that acts as a real-time, fault-tolerant and highly scalable messaging system ...

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This new use of DConE, the only commercialized version of the Paxos algorithm, will offer a guaranteed fault-tolerant alternative ... compatible file systems, Apache Hive and Databricks data ...

This book gathers outstanding research papers presented at the International Joint Conference on Computational Intelligence (IJCCI 2018), which was held at Daffodil International University on 14–15 December 2018. The topics covered include: collective intelligence, soft computing, optimization, cloud computing, machine learning, intelligent software, robotics, data science, data security, big data analytics, and signal and natural language processing.

This book presents a coherent, novel vision of Smart Cities, built around a value-driven architecture. It describes the limitations of the contemporary notion of the Smart City and argues that the next developmental step must actively include not only the physical infrastructure, but information technology and human infrastructure as well, requiring the intensive integration of technical solutions from the Internet of Things (IoT) and social computing. The book is divided into five major parts, the first of which provides both a general introduction and a coherent vision that ties together all the components that are required to realize the vision for Smart Cities. Part II then discusses the provisioning and governance of Smart City systems and infrastructures. In turn, Part III addresses the core technologies and technological enablers for managing the social component of the Smart City platform. Both parts combine state-of-the-art research with cutting-edge industrial efforts in the respective fields. Lastly, Part IV details a road map to achieving Cyber-Human Smart Cities. Rounding out the coverage, it discusses the concrete technological advances needed to move beyond contemporary Smart Cities and toward the Smart Cities of the future. Overall, the book provides an essential overview of the latest developments in the areas of IoT and social computing research, and outlines a research roadmap for a closer integration of the two areas in the context of the Smart City. As such, it offers a valuable resource for researchers and graduate students alike.

This book presents the latest research findings, methods and development techniques related to Ubiquitous and Pervasive Computing (UPC) as well as challenges and solutions from both theoretical and practical perspectives with an emphasis on innovative, mobile and internet services. With the proliferation of wireless technologies and electronic devices, there is a rapidly growing interest in Ubiquitous and Pervasive Computing (UPC). UPC makes it possible to create a human-oriented computing environment where computer chips are embedded in everyday objects and interact with physical world. It also allows users to be online even while moving around, providing them with almost permanent access to their preferred services. Along with a great potential to revolutionize our lives, UPC also poses new research challenges.

This two-volume set (CCIS 1075 and CCIS 1076) constitutes the refereed proceedings of the Third International Conference on Advanced Informatics for Computing Research, ICAICR 2019, held in Shimla, India, in June 2019. The 78 revised full papers presented were carefully reviewed and selected from 382 submissions. The papers are organized in topical sections on computing methodologies; hardware; information systems; networks; software and its engineering.

Leading scholars examine the history of linguistics from ancient origins to the present. They consider every aspect of the field from language origins to neurolinguistics, explore the linguistic traditions in different parts of the world, examine how work in linguistics has influenced other fields, and look at how it has been practically applied

An inspiring and surprising celebration of U.S. women's history told through Smithsonian artifacts illustrating women's participation in science, art, music, sports, fashion, business, religion, entertainment, military, politics, activism, and more. This book offers a unique, panoramic look at women's history in the United States through the lens of ordinary objects from, by, and for extraordinary women. Featuring more than 280 artifacts from 16 Smithsonian museums and archives, and more than 135 essays from 95 Smithsonian authors, this book tells women's history as only the Smithsonian can. Featured objects range from fine art to computer code, from First Ladies memorabilia to Black Lives Matter placards, and from Hopi pottery to a couch from the Oprah Winfrey show. There are familiar objects--such as the suffrage wagon used to advocate passage of the 19th Amendment and the Pussy Hat from the 2016 Women's March in DC--as well as lesser known pieces revealing untold stories. Portraits, photographs, paintings, political materials, signs, musical instruments, sports equipment, clothes, letters, ads, personal posessions, and other objects reveal the incredible stories of such amazing women as Phillis Wheatley, Julia Child, Sojourner Truth, Mary Cassatt, Madam C. J. Walker, Amelia Earhart, Eleanor Roosevelt, Mamie Till Mobley, Dolores Clara Fernández Huerta, Phyllis Diller, Celia Cruz, Sandra Day O'Connor, Billie Jean King, Sylvia Rivera, and so many more. Together with illuminating text, these objects elevate the importance of American women in the home, workplace, government, and beyond. Published to commemorate the centennial of the 19th Amendment granting women the right to vote, Smithsonian American Women is a deeply satisfying read and a must-have reflection on how generations of women have defined what it means to be recognized in both the nation and the world.

This book constitutes the refereed proceedings of the First International Conference on Advanced Informatics for Computing Research , ICAICR 2017, held in Jalandhar, India, in March 2017. The 32 revised full papers presented were carefully reviewed and selected from 312 submissions. The papers are organized in topical sections on computing methodologies, information systems, security and privacy, network services.

Presents a survey of historical and contemporary figures who have rejected traditional gender roles, from peasants who cross-dressed as a protest against taxes, to today's transsexual parents

This book is written for scientists and engineers who use HHT (Hilbert–Huang Transform) to analyze data from nonlinear and non-stationary processes. It can be treated as a HHT user manual and a source of reference for HHT applications. The book contains the basic principle and method of HHT and various application examples, ranging from the correction of satellite orbit drifting to detection of failure of highway bridges. The thirteen chapters of the first edition are based on the presentations made at a mini-symposium at the Society for Industrial and Applied Mathematics in 2003. Some outstanding mathematical research problems regarding HHT development are discussed in the first three chapters. The three new chapters of the second edition reflect the latest HHT development, including ensemble empirical mode decomposition (EEMD) and modified EMD. The book also provides a platform for researchers to develop the HHT method further and to identify more applications. Contents:Introduction to the Hilbert–Huang Transform and Its Related Mathematical ProblemsEnsemble Empirical Mode Decomposition and Its Multi-Dimensional ExtensionsMultivariate Extensions of Empirical Mode DecompositionB-Spline Based Empirical Mode DecompositionEMD Equivalent Filter Banks, From Interpretation to ApplicationsHHT Sifting and FilteringStatistical Significance Test of Intrinsic Mode FunctionsThe Time-Dependent Intrinsic CorrelationThe Application of Hilbert–Huang Transforms to Meteorological DatasetsEmpirical Mode Decomposition and Climate VariabilityEMD Correction of Orbital Drift Artifacts in Satellite Data StreamHHT Analysis of the Nonlinear and Non-Stationary Annual Cycle of Daily Surface Air Temperature DataHilbert Spectra of Nonlinear Ocean WavesEMD and Instantaneous Phase Detection of Structural DamageHTT-Based Bridge Structural Health-Monitoring MethodApplications of HHT in Image Analysis Readership: Applied mathematicians, climate scientists, highway engineers, medical scientists, geologists, civil engineers, mechanical engineers, electrical engineers, economics and graduate students in science or engineering. Keywords:Hilbertâ□□Huang Transform;Empirical Mode Decomposition;Intrinsic Mode Function;Hilbert Spectral Analysis;Time-Frequency AnalysisKey Features:A tool book for analyzing nonlinear and non-stationary dataA source book for HHT development and applicationsThe most complete reference for HHT method and applications

Data used to develop and confirm models suffer from several shortcomings: the total data is too limited, the data are non-stationary, and the data represent nonlinear processes. The Hilbert-Huang transform (HHT) is a relatively new method that has grown into a robust tool for data analysis and is ready for a wide variety of applications. Thi