

13th European Doctoral Conference In Nursing Science Edcns

"This book provides pertinent and vital information that researchers, postgraduate, doctoral students, and practitioners are seeking for learning about the latest discoveries and advances in NLP methodologies and applications of NLP"--Provided by publisher.

This two-volume set LNCS 4277/4278 constitutes the refereed proceedings of 14 international workshops held as part of OTM 2006 in Montpellier, France in October/November 2006. The 191 revised full papers presented were carefully reviewed and selected from a total of 493 submissions to the workshops. The first volume begins with 26 additional revised short or poster papers of the OTM 2006 main conferences.

The LNCS Journal on Data Semantics is devoted to the presentation of notable work that, in one way or another, addresses research and development on issues related to data semantics. Based on the highly visible publication platform Lecture Notes in Computer Science, this new journal is widely disseminated and available worldwide. The scope of the journal ranges from theories supporting the formal definition of semantic content to innovative domain-specific applications of semantic knowledge. The journal addresses researchers and advanced practitioners working on the semantic web, interoperability, mobile information services, data warehousing, knowledge representation and reasoning, conceptual database modeling, ontologies, and artificial intelligence.

With a turnover of some 5-15 billion € / year, the additive manufacturing has industrial niches bearers thanks to processes and materials more and more optimized. While some niches still exist on the application of additive techniques in traditional fields (from jewelery to food for example), several trends emerge, using new concepts: collective production, realization of objects at once (without addition Of material), micro-fluidic, 4D printing exploiting programmable materials and materials, bio-printing, etc. There are both opportunities for new markets, promises not envisaged less than 10 years ago, but difficulties in reaching them.

First European Web Mining Forum, EWMF 2003, Cavtat-Dubrovnik, Croatia, September 22, 2003, Revised Selected and Invited Papers

Sharing and Exchanging Knowledge in Networked Environments

Multilevel Modeling of Secure Systems in QoP-ML

Foundations for the Web of Information and Services

Inductive Logic Programming

Security Solutions and Applied Cryptography in Smart Grid Communications

Machine Learning Methods for Commonsense Reasoning Processes: Interactive Models

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.

Introducing the Quality of Protection Modeling Language (QoP-ML), this book provides for the abstraction of security systems while maintaining emphasis on the details of quality protection . It delineates the steps used in cryptographic protocol and introduces a multilevel protocol analysis that expands current understanding. Every operation defined by QoP-ML is described within parameters of security metrics, therefore evaluating the impact of the operation on the entire system's security.

The use of composites is growing in structural applications in many industries including aerospace, marine, wind turbine and civil engineering. There are uncertainties about the long term performance of these composites and how they will perform under cyclic fatigue loading. Fatigue life prediction of composites and composite structures provides a comprehensive review of fatigue damage and fatigue life prediction methodologies for composites and how they can be used in practice. After an introductory chapter, Part one reviews developments in ways of modelling composite fatigue life. The second part of the book reviews developments in predicting composite fatigue life under different conditions including constant and variable amplitude loading as well as multiaxial and cyclic loading. Part three then describes applications such as fatigue life prediction of bonded joints and wind turbine rotor blades as well as health monitoring of composite structures. With its distinguished editor and international team of contributors, Fatigue life prediction of composites and composite structures is a standard reference for industry and researchers working with composites and those concerned with the long-term performance and fatigue life of composite components and structures. Examines past, present and future trends associated with fatigue life prediction of composite materials and structures Assesses novel computational methods for fatigue life modelling and prediction of composite materials under constant amplitude loading Specific chapters investigate fatigue life prediction of wind turbine rotor blades and bonded joints in composite structures

The University of Jyvaskyla is proud to welcome the 12th edition of the European Conference in Cyber Warfare to Jyvaskyla. We intend to make this event as enjoyable as possible both on scientific and human aspects. As in previous years, ECCWS will address elements of both theory and practice of all aspects of Information Warfare and Security, and offers an opportunity for academics, practitioners and consultants involved in these areas to come together and exchange ideas. We also wish to attract operational papers dealing with the critical issue that the modern world has to face regarding the evolution of cyberwarfare capabilities development by nation states. The programme for the event promises an extensive range of peer-reviewed papers, networking opportunities and presentations from leaders in the field."

13th IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2022, Caparica, Portugal, June 29 - July 1, 2022, Proceedings

13th European Conference on Technology Enhanced Learning, EC-TEL 2018, Leeds, UK, September 3-5, 2018, Proceedings

Architectures for Adaptive Software Systems

Urban Governance in Europe

Advances in Databases and Information Systems

The Private Sport Sector in Europe

Web Mining: From Web to Semantic Web

This book outlines the private sport sector in different European countries. Sport in the European countries is organized in three distinct sectors. These are the state/public sector, which provides financial and political support for sport infrastructure; the civic/non-profit sector, which provides sport activities and services for citizens, usually in the forms of sport clubs; and the private sector, which is comprised of profit-making private companies and professional teams that produce and sell sport products and services. The private sport sector is becoming ever more important in a global market economy and a financial climate characterized by a public sector in crisis. Taking this into consideration, this book provides a detailed outline of the structure and characteristics of the private sport sector, discusses recent developments in the sector, and compares data across business fields and countries. Containing contributions from sport academics from eighteen countries, this book provides an overall, up-to-date picture of the private sport sector in Europe. Filling a significant gap in sport sociology and economics scholarships, this book will be of use to students and scholars of business and social sciences of sport as well as decision makers and the entrepreneurs.

This book constitutes the refereed proceedings of the 9th IFIP WG 5.5/SOCOLNET Advanced Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2018, held in Costa de Caparica, Portugal, in May 2018. The 30 revised full papers presented were carefully reviewed and selected from 74 submissions. The papers present selected results produced in engineering doctoral programs and focus on technological innovation for resilient systems. Research results and ongoing work are presented, illustrated and discussed in the following areas: collaborative systems, decision support systems, supervision systems, energy management, smart grids, sensing systems, electrical systems, simulation and analysis, monitoring systems, and energy distribution systems.

"Approaching the issue of internationalisation from an institutional perspective, and specifically designed as a source of information and references, this new handbook will be a valuable tool for any higher education institution. The handbook is published as a loose-leaf edition consisting of a basic edition and regular supplements (hard copy plus CD-ROM), all collected in a ring folder. A "must have" for those involved in developing and implementing internationalisation strategies and measures, including university executives and international office managers. It will also be an invaluable source of references for a larger group of policy makers interested in the internationalisation issue in a wider European context. The handbook focuses on the practical and operational key issues of relevance to European higher education, placing them in the context of global developments and overarching policy processes. In addition, it will facilitate the discussion regarding the goals of internationalisation at the institutional level and their implementation."--Editor.

Much of a software architect's life is spent designing software systems to meet a set of quality requirements. General software quality attributes include scalability, security, performance or reliability. Quality attribute requirements are part of an application's non-functional requirements, which capture the many facets of how the functional - requirements of an application are achieved. Understanding, modeling and continually evaluating quality attributes throughout a project lifecycle are all complex engineering tasks whichcontinuetochallengethe softwareengineeringscienti ccommunity. While we search for improved approaches, methods, formalisms and tools that are usable in practice and can scale to large systems, the complexity of the applications that the so- ware industry is challenged to build is ever increasing. Thus, as a research community, there is little opportunity for us to rest on our laurels, as our innovations that address new aspects of system complexity must be deployed and validated. To this end the 5th International Conference on the Quality of Software Archit- tures (QoSA) 2009 focused on architectures for adaptive software systems. Modern software systems must often recon guretheir structure and behavior to respond to c- tinuous changes in requirements and in their execution environment. In these settings, quality models are helpful at an architectural level to guide systematic model-driven software development strategies by evaluating the impact of competing architectural choices.

Intelligent Exploration of the Web

Modern Software Engineering Concepts and Practices: Advanced Approaches

Technological Innovation for Resilient Systems

Models, Theory, and Practice

Interactive Models

Technological Innovation for Sustainability

Research and Application

This book constitutes the refereed proceedings of the 13th IFIP WG 5.5/SOCOLNET Advanced Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2022, held in Caparica, Portugal, during June-July 2022. The 22 full papers presented were carefully reviewed and selected from 48 submissions. The papers present selected results produced in engineering doctoral programs and focus on technological innovation for industry and service systems. The papers are organized into the following topical sub-headings: Smart Systems Thinking; Cyber-physical Systems; health-related Digitalization; Electric Systems and Machines; Smart Devices; and Control and Digital Platforms.

Phase 1 of the EPSRC SUPERGEN Wind programme began in March 2006 and work continued under Phase 2 until March 2014. The strategic aim was to re-establish a strong research community in wind energy technologies, across the UK ' s leading academic and industrial research organisations. UK Wind Energy Technologies gives a comprehensive overview of the range of wind energy research undertaken in the UK under Phases 1 & 2 to achieve this goal. Specific topics covered in the book include: wind resource assessment, turbine array layout, environmental interactions, control of turbines, drive train reliability and condition monitoring, turbine array electrical connection, power transmission to grid, assessment of operations and maintenance strategies, and the analysis of turbine foundations and structures. Since the completion of Phase 2 the Supergen Wind consortium partners have formed a networking Hub, which is now the principal national coordinating body for academic research into wind energy in the UK. This book will be of interest to researchers and engineers from industry and academia and also provides workers from other countries with an overview of the range of activity within the UK resulting from the SUPERGEN Wind programme to date.

This book explores recent research in intuitive interaction worldwide by a range of leading academics and practitioners in the field. It builds on past work as it ventures into new areas, such as how users perceive intuitiveness of an interface, how people experience intuitive interaction subjectively, and how we can use such understanding to design more engaging experiences. The book addresses how intuitive interaction is understood in different academic disciplines and how it has been researched in various parts of the world over the last 18 years. It covers how intuitive interaction can be applied in different contexts, like large scale urban installations, the developing world, in older populations, and in various industry applications. Features: Presents varied approaches to intuitive interaction research and application Illustrates how to understand and apply intuitive interaction to interfaces Provides a mix of academic and industry perspectives Explores a variety of contexts for application of intuitive interaction Encompasses design, IT, business, and psychological approaches

This book, the second in the projected three-volume Forces and Forms in Doctoral Education Worldwide series sponsored by the Center for Innovation in Graduate Education (CIRGE) at the University of Washington, invites readers to listen in as nearly thirty distinguished scholars and thought leaders confront urgent questions about doctoral education in a globalizing world: • How are research doctoral education and the research PhD degree evolving in different national contexts? • How do researchers in the early stage of their careers assess the value of doctoral education? • What are the challenges of using international demographic data from existing PhD programs to analyze trends in doctoral education? • What can happen when regional issues intersect with the need to evaluate doctoral education and ensure its quality? • Which quality-assurance model has been gaining favor in PhD education, and what challenges does it pose? • What accounts for conflict between national interests and international collaboration in doctoral education? • Is there empirical evidence of globalization ' s impact on doctoral education and the labor market for PhD graduates? This follow-up to Toward a Global PhD? (University of Washington Press, 2008), the first volume in the series, includes case studies illustrating global trends in the structure, function, and quality frameworks of doctoral education, and it develops a conceptual framework linking globalization to trends in doctoral education while showing the particular history that has led to the convergence of a number of practices in one or more countries.

Intuitive Interaction

Proceedings of the 14th European Conference on Knowledge Management

ICCWS 2018 13th International Conference on Cyber Warfare and Security

A Modern Guide to Sports Economics

Breakthrough Innovations: Programmable Material, 4D Printing and Bio-printing

Associated Workshops and Doctoral Consortium of the 13th East European Conference, ADBIS 2009, Riga, Latvia, September 7-10, 2009. Revised Selected Papers

Concepts and New Research

As advances in technology continue to generate the collective knowledge of an organization and its operations, strategic models for information systems are developed in order to arrange business processes and business data. Frameworks for Developing Efficient Information Systems: Models, Theory, and Practice presents research and practices on the advancements in systems analysis and design. These theoretical frameworks and practical solutions are useful for researchers, practitioners, and academicians as this book aims to bridge the communication gap between business managers and system designers.

This book constitutes the thoroughly refereed past-workshop proceedings of the Associated Workshops and the Doctoral Consortium held as satellite events of ADBIS 2009, the 13th East European Conference on Advances in Databases and Information Systems in Riga, Latvia, in September 2009.

Hauptbeschreibung This book looks at the consequences and implications of an emerging new way of local politics in Europe. With the term governance1/2, changes in the political and social constitution of cities are analysed. Based on theoretical and empirical studies by scholars from ten countries, different aspects of urban governance1/2 will be presented

Engages with a range of alternative ethical perspectives and the initiatives to which they give rise. This book features case studies that covers a range of places, commodities and initiatives, including Fair Trade and organic production activism in Hungary, Fair Trade coffee in Costa Rica and handicrafts made in Indonesia.

Hidden Hands in the Market

Frameworks for Developing Efficient Information Systems: Models, Theory, and Practice

Single Channel Phase-Aware Signal Processing in Speech Communication

ECRM 2014

The Routledge Doctoral Student's Companion

Internationalisation of European Higher Education: "An EUA/ACA Handbook"

ELECTRIMACS 2019

This book constitutes the refereed proceedings of the Second IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2011, held in Costa de Caparica, Portugal, in February 2011. The 67 revised full papers were carefully selected from numerous submissions. They cover a wide spectrum of topics ranging from collaborative enterprise networks to microelectronics. The papers are organized in topical sections on collaborative networks, service-oriented systems, computational intelligence, robotic systems, Petri nets, sensorial and perceptual systems, sensorial systems and decision, signal processing, fault-tolerant systems, control systems, energy systems, electrical machines, and electronics.

Authoried by leading experts from around the world, the three-volume Handbook of Nanostructured Thin Films and Coatings gives scientific researchers and product engineers a resource as dynamic and flexible as the field itself. The first two volumes cover the latest research and application of the mechanical and functional properties of thin films and coatings, while the third volume explores the cutting-edge organic nanostructured devices used to produce clean energy.

This third volume, Organic Nanostructured Thin Film Devices and Coatings for Clean Energy, addresses various aspects of the processing and properties of organic thin films, devices, and coatings for clean energy applications. Topics covered include: Thin-film solar cells based on the use of polycrystalline thin-film materials Anodized titania nanotube array and its application in dye-sensitized solar cells Progress and challenges associated with photovoltaic applications of silicon nanocrystalline materials Semiconductor nanocomposite films for clean environment Thin-coating technologies and applications in high-temperature solid oxide fuel cells Nanoscale organic molecular thin films for information memory applications A complete resource, this handbook provides the detailed explanations that newcomers need, as well as the latest cutting-edge research and data for experts. Covering a wide range of mechanical and functional technologies, including those used in clean energy, these books also feature figures, tables, and images that will aid research and help professionals acquire and maintain a solid grasp of this burgeoning field. The Handbook of Nanostructured Thin Films and Coatings is composed of this volume and two others: Nanostructured Thin Films and Coatings, Functional Properties Nanostructured Thin Films and Coatings, Mechanical Properties

This timely Modern Guide offers critical insights into developments in both professional and recreational sports through the lens of the economic forces that determine them. It explores the benefits of the relationship between sports and economics, highlighting ways that economic research can help to understand sports better and the ways that sport provides opportunities to test economic theories.

This book addresses a set of interlocking and overlapping big questions that 'sit' behind the plethora of doctoral advice texts and run through the practice of knowledge/identity work.

Globalization and Its Impacts on the Quality of PhD Education

ECRM2014-Proceedings of the 13th European Conference on Research Methodology for Business and Management Studies

10th International Conference on Conceptual Structures, ICCS 2002 Borovets, Bulgaria, July 15-19, 2002 Proceedings

9th IFIP WG 5.5/SOCOLNET Advanced Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2018, Costa de Caparica, Portugal, May 2-4, 2018, Proceedings

Forces and Forms in Doctoral Education Worldwide

On the Move to Meaningful Internet Systems 2006: OTM 2006 Workshops

Advanced Approaches

The field of natural computing has been the focus of a substantial research effort in recent decades. One particular strand of this research concerns the development of computational algorithms using metaphorical inspiration from systems and phenomena that occur in the natural world. These naturally inspired computing algorithms have proven to be successful problem-solvers across domains as diverse as management science, bioinformatics, finance, marketing, engineering, architecture and design. This book is a comprehensive introduction to natural computing algorithms, suitable for academic and industrial researchers and for undergraduate and graduate courses on natural computing in computer science, engineering and management science.

Software engineering has advanced rapidly in recent years in parallel with the complexity and scale of software systems. New requirements in software systems yield innovative approaches that are developed either through introducing new paradigms or extending the capabilities of well-established approaches. Modern Software Engineering Concepts and Practices: Advanced Approaches provides emerging theoretical approaches and their practices. This book includes case studies and real-world practices and presents a range of advanced approaches to reflect various perspectives in the discipline.

The Web is the nervous system of information society. As such, it has a pervasive influence on our daily lives. And yet, in some ways the Web does not have a high MIQ (Machine IQ). What can be done to enhance it? This is the leitmotif of "Intelligent Exploration of the Web," (IEW)--a collection of articles co-edited by Drs. Szczepaniak, Segovia, Kacprzyk and, to a small degree, myself. The articles that comprise IEW address many basic problems ranging from structure analysis of Internet documents and Web dialogue management to intelligent Web agents for extraction of information, and bootstrapping an ontology-based information extraction system. Among the basic problems, one that stands out in importance is the problem of search. Existing search engines have many remarkable capabilities. But what is not among them is the deduction capability--the capability to answer a query by drawing on information which resides in various parts of the knowledge base. An example of a query might be "How many Ph.D. degrees in computer science were granted by European universities in 1996?" No existing search engine is capable of dealing with queries of comparable or even much lower complexity. Basically, what we would like to do is to add deduction capability to a search engine, with the aim of transforming it into a question-answering system, or a QI A system, for short. This is a problem that is of major importance and a challenge that is hard to meet. This book constitutes the refereed proceedings of the 13th International Conference on Inductive Logic Programming, ILP 2003, held in Szeged, Hungary in September/October 2003. The 23 revised full papers presented were carefully reviewed and selected from 53 submissions. Among the topics addressed are multirelational data mining, complexity issues, theory revision, clustering, mathematical discovery, relational reinforcement learning, multirelational learning, inductive inference, description logics, grammar systems, and inductive learning.

A Review of 20 Years of Semantic Web Research

13th International Conference, ILP 2003, Szeged, Hungary, September 29 - October 1, 2003, Proceedings

A Cross-National Comparative Perspective

Conceptual Structures: Integration and Interfaces

Lifelong Technology-Enhanced Learning

Emerging Applications of Natural Language Processing: Concepts and New Research

Building the Knowledge Society on the Internet: Sharing and Exchanging Knowledge in Networked Environments

This book suggests that classification is a key to human commonsense reasoning and transforms traditional considerations of data and knowledge communications, presenting an effective classification of logical rules used in the modeling of commonsense reasoning.

This book originates from the first European Web Mining Forum, EWMF 2003, held in Cavtat-Dubrovnik, Croatia, in September 2003 in association with ECML/PKDD 2003. The Web Mining Forum initiative is motivated by the insight that knowledge discovery on the Web, from the viewpoint of hyperarchive analysis, and, from the viewpoint of interaction among persons and institutions, are complementary, both for the conventional Web and for the Semantic Web. This book presents an introductory roadmap paper, four invited papers and six workshop papers, which were carefully selected during two rounds of reviewing and improvement. Among the topics addressed are Web usage mining, Web mining for the addition of semantics, semantically enhanced Web filtering, ontologies, wrapper induction, Web personalization, user profiling, user session evaluation, and evolution of Web usage patterns.

Electrical energy usage is increasing every year due to population growth and new forms of consumption. As such, it is increasingly imperative to research methods of energy control and safe use. Security Solutions and Applied Cryptography in Smart Grid Communications is a pivotal reference source for the latest

research on the development of smart grid technology and best practices of utilization. Featuring extensive coverage across a range of relevant perspectives and topics, such as threat detection, authentication, and intrusion detection, this book is ideally designed for academicians, researchers, engineers and

students seeking current research on ways in which to implement smart grid platforms all over the globe.

This book collects a selection of papers presented at ELECTRIMACS 2019 - The 13th international conference of the IMACS TC1 Committee, held in Salerno, Italy, on 21st-23rd May 2019. The conference papers deal with modelling, simulation, analysis, control, power management, design optimization, identification and

diagnostics in electrical power engineering. The main application fields include electric machines and electromagnetic devices, power electronics, transportation systems, smart grids, electric and hybrid vehicles, renewable energy systems, energy storage, batteries, supercapacitors and fuel cells, wireless power

transfer. The contributions included in Volume 2 are particularly focussed on methodological aspects, modelling and applied mathematics in the field of electrical engineering.

Natural Computing Algorithms

ECKM 2013

Ethnographies of Fair Trade, Ethical Consumption and Corporate Social Responsibility

UK Wind Energy Technologies

12th PhD Symposium in Prague Czech Rep

Selected Papers - Volume 2

These proceedings represent the work of contributors to the 19th European Conference on Cyber Warfare and Security (ECCWS 2020), supported by University of Chester, UK on 25-26 June 2020. The Conference Co-chairs are Dr Thaddeus Eze and Dr Lee Speakman, both from University of Chester and the Programme Chair is Dr Cyril Onwubiko from IEEE and Director, Cyber Security Intelligence at Research Series Limited. ECCWS is a well-established event on the academic research calendar and now in its 19th year the key aim remains the opportunity for participants to share ideas and meet. The conference was due to be held at University of Chester, UK, but due to the global Covid-19 pandemic it was moved online to be held as a virtual event. The scope of papers will ensure an interesting conference. The subjects covered illustrate the wide range of topics that fall into this important and ever-growing area of research.

In the mid 1990s, Tim Berners-Lee had the idea of developing the World Wide Web into a „Semantic Web“, a web of information that could be interpreted by machines in order to allow the automatic exploitation of data, which until then had to be done by humans manually. One of the first people to research topics related to the Semantic Web was Professor Rudi Studer. From the beginning, Rudi drove projects like ONTOBROKER and On-to-Knowledge, which later resulted in W3C standards such as RDF and OWL. By the late 1990s, Rudi had established a research group at the University of Karlsruhe, which later became the nucleus and breeding ground for Semantic Web research, and many of today’s well-known research groups were either founded by his disciples or benefited from close cooperation with this think tank. In this book, published in celebration of Rudi’s 60th birthday, many of his colleagues look back on the main research results achieved during the last 20 years. Under the editorship of Dieter Fensel, once one of Rudi’s early PhD students, an impressive list of contributors and contributions has been collected, covering areas like Knowledge Management, Ontology Engineering, Service Management, and Semantic Search. Overall, this book provides an excellent overview of the state of the art in Semantic Web research, by combining historical roots with the latest results, which may finally make the dream of a “Web of knowledge, software and services” come true.

ECRM2014-Proceedings of the 13th European Conference on Research Methodology for Business and Management StudiesECRM 2014Academic Conferences LimitedTechnological Innovation for SustainabilitySecond IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2011, Costa de Caparica, Portugal, February 22-24, 2011, ProceedingsSpringer

This book constitutes the proceedings of the 13th European Conference on Technology Enhanced Learning, EC-TEL 2018, held in Leeds, UK, in September 2018. The 42 full and short papers, 7 demo papers, and 23 poster papers presented in this volume were carefully reviewed and selected from 142 submissions. This year, the European Conference on Technology-Enhanced Learning (EC-TEL) will engage researchers, practitioners, educational developers, entrepreneurs and policy makers in a joint discussion on how to put science, technology and practice at the service of learning to embrace these challenges on the topic: Lifelong technology enhanced learning: Dealing with the complexity of 21st century challenges. /div Chapter "" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Second IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems, DoCEIS 2011, Costa de Caparica, Portugal, February 22-24, 2011, Proceedings

Technological Innovation for Digitalization and Virtualization

JoDS 2

Fatigue Life Prediction of Composites and Composite Structures

Theory and Practice

ECCWS 2020 20th European Conference on Cyber Warfare and Security

From Additive Manufacturing to 3D/4D Printing

An overview on the challenging new topic of phase-aware signal processing Speech communication technology is a key factor in human-machine interaction, digital hearing aids, mobile telephony, and automatic speech/speaker recognition. With the proliferation of these applications, there is a growing requirement for advanced methodologies that can push the limits of the conventional solutions relying on processing the signal magnitude spectrum. Single-Channel Phase-Aware Signal Processing in Speech Communication provides a comprehensive guide to phase signal processing and reviews the history of phase importance in the literature, basic problems in phase processing, fundamentals of phase estimation together with several applications to demonstrate the usefulness of phase processing. Key features: Analysis of recent advances demonstrating the positive impact of phase-based processing in pushing the limits of conventional methods. Offers unique coverage of the historical context, fundamentals of phase processing and provides several examples in speech communication. Provides a detailed review of many references and discusses the existing signal processing techniques required to deal with phase information in different applications involved with speech. The book supplies various examples and MATLAB® implementations delivered within the PhaseLab toolbox. Single-Channel Phase-Aware Signal Processing in Speech Communication is a valuable single-source for students, non-expert DSP engineers, academics and graduate students.

"In today's networked societies, a key factor of the social and economic success is the capability to exchange, transfer, and share knowledge. This book provides research on the topic providing a foundation of an emerging and multidisciplinary field"--Provided by publisher.

Getting to Grips with Research in Education and the Social Sciences

5th International Conference on the Quality of Software Architectures, QoSA 2009, East Stroudsburg, PA, USA, June 24-26, 2009 Proceedings

Organic Nanostructured Thin Film Devices and Coatings for Clean Energy

OTM Confederated International Conferences and Posters, AWesome, CAMS,COMINF,IS,KSinBIT,MIOS-CIAO,MONET,OnToContent,ORM,PerSys,OTM Academy Doctoral Consortium, RDDS,SWWS,SeBGIS 2006, Montpellier, France, October 29 - November 3, 2006, Proceedings, Part II