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ICIEMS 2015 is the conference aim is to provide a platform for researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in Engineering Technology, Industrial Engineering, Application Level Security and Management Science. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

This two-volume set (CCIS 1367-1368) constitutes

reviewed and selected papers from the 10th International Advanced Computing Conference, IACC 2020, held in December 2020. The 65 full papers and 2 short papers presented in two volumes were thoroughly reviewed and selected from 286 submissions. The papers are organized in the following topical sections: Application of Artificial Intelligence and Machine Learning in Healthcare; Using Natural Language Processing for Solving Text and Language related Applications; Using Different Neural Network Architectures for Interesting applications; ?Using AI for Plant and Animal related Applications.- Applications of Blockchain and IoT.- Use of Data Science for Building Intelligence Applications; Innovations in

**Advanced Network Systems; Advanced Algorithms for
Miscellaneous Domains; New Approaches in Software
Engineering.**

**This book presents the proceedings of the International
Conference on Computer Networks, Big Data and IoT
(ICCBI-2018), held on December 19–20, 2018 in Madurai,
India. In recent years, advances in information and
communication technologies [ICT] have collectively aimed
to streamline the evolution of internet applications. In this
context, increasing the ubiquity of emerging internet
applications with an enhanced capability to communicate
in a distributed environment has become a major need for
existing networking models and applications. To achieve**

this, Internet of Things [IoT] models have been developed to facilitate a smart interconnection and information exchange among modern objects – which plays an essential role in every aspect of our lives. Due to their pervasive nature, computer networks and IoT can easily connect and engage effectively with their network users. This vast network continuously generates data from heterogeneous devices, creating a need to utilize big data, which provides new and unprecedented opportunities to process these huge volumes of data. This International Conference on Computer Networks, Big Data, and Internet of Things [ICCBI] brings together state-of-the-art research work, which briefly describes advanced IoT applications in the

era of big data. As such, it offers valuable insights for researchers and scientists involved in developing next-generation, big-data-driven IoT applications to address the real-world challenges in building a smartly connected environment.

This book includes recent theoretical and practical advancements in green composite materials and advanced manufacturing technology. It provides important original and theoretical experimental results which use nonroutine technologies often unfamiliar to some readers and covers novel applications of more familiar experimental techniques and analyses of composite problems. Green Materials and Advanced Manufacturing Technology:

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Concepts and Applications provides insight and a better understanding into the development of green composite materials and advanced manufacturing technology used in various manufacturing sectors. It highlights recent trends in the fields of green composites, metal matrix composites, ceramic matrix composites, surface modification using laser cladding, types of dust collectors in waste management and recycling in industries, machinability studies of metals and composites using surface grinding, drilling, electrical discharge machining, joining of metals using friction stir welding, shielded metal arc welding, and linear friction welding. This book is written for engineering students, postgraduate students, research

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scholars, faculty members, and industry professionals who are engaged in green composite materials and development of advanced manufacturing technology.

Advances in Signal Processing and Intelligent Recognition Systems

INTERNATIONAL CONFERENCE ON INNOVATIONS IN COMMUNICATIONS AND COMPUTER ENGINEERING - ICICCE'15

**Handbook of Water Harvesting and Conservation
Proceedings of ICAIECES 2015**

Soft Computing Systems

Intelligent Data Communication Technologies and Internet of Things

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Engineering Chemistry

This book provides a dual perspective on the Internet of Things and ubiquitous computing, along with their applications in healthcare and smart cities. It also covers other interdisciplinary aspects of the Internet of Things like big data, embedded Systems and wireless Sensor Networks. Detailed coverage of the underlying architecture, framework, and state-of the art methodologies form the

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core of the book.

This proceeding discuss the latest solutions, scientific findings and methods for solving intriguing problems in the fields of data mining, computational intelligence, big data analytics, and soft computing. This gathers outstanding papers from the fifth International Conference on “Computational Intelligence in Data Mining” (ICCIDM), and offer a “sneak preview” of the strengths and

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weaknesses of trending applications, together with exciting advances in computational intelligence, data mining, and related fields.

The proceedings covers advanced and multi-disciplinary research on design of smart computing and informatics. The theme of the book broadly focuses on various innovation paradigms in system knowledge, intelligence and sustainability that may be applied to provide realistic solution to varied

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problems in society, environment and industries. The volume publishes quality work pertaining to the scope of the conference which is extended towards deployment of emerging computational and knowledge transfer approaches, optimizing solutions in varied disciplines of science, technology and healthcare.

Water harvesting is gaining more and more recognition as a sustainable and resilient water supply options. It is

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economically viable, socially compatible and environmentally friendly. Water harvesting has proven to be a robust solution to overcome or reduce water shortages all over the world. It is important to understand how to apply this practice in a sustainable and effective way to make full use of its potential in a world increasingly threatened by water scarcity. The Handbook of Water Harvesting and Conservation: Basic

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Concepts and Fundamentals is the most comprehensive, up-to-date and applied handbook on water harvesting and conservation yet published. The book's 30 chapters -- written by 84 outstanding international experts from approximately 20 selected countries faced by drought -- explore, critique and develop concepts and systems for water harvesting. The editors bring together many perspectives into a synthesis that is both academically

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based and practical in its potential applications. The Handbook of Water Harvesting and Conservation: Basic Concepts and Fundamentals is an important tool for education, research and technical works in the areas of soil, water and watershed management and is highly useful for drought strategy planning, flood management and developing techniques to adapt to climate change in urban, agricultural, forest and rangeland areas.

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Computational Intelligence in Data
Mining

Intellectual Property Rights: The Way
Forward (IPRMCW-2016)

Mechanical Engineering Design

Directory of Libraries in India

10th International Conference, IACC
2020, Panaji, Goa, India, December 5-6,
2020, Revised Selected Papers, Part I

Concepts and Applications

ICIEMS 2015

International Conference on innovations in

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communications and computer science engineering (ICICCE'15) is organized by International Journal for Trends in Engineering & Technology (IJTET). The aim of the conference is to carry together professionals and researchers from academic to industry to achieve their utilization in the areas and to encourage their development with genuine technology methods. The conference theme concentrates to discover the latest technological innovation, trends in technology and engineering and that are experienced by the professionals with the present strict rules and to convert these complications into prospects. Authors are approved to post original research or system documents on

any appropriate topics. These can either be frequent or brief documents.

Recently, artificial intelligence (AI), the internet of things (IoT), and cognitive technologies have successfully been applied to various research domains, including computer vision, natural language processing, voice recognition, and more. In addition, AI with IoT has made a significant breakthrough and a shift in technical direction to achieve high efficiency and adaptability in a variety of new applications. On the other hand, network design and optimization for AI applications addresses a complementary topic, namely the support of AI-based systems through novel networking techniques,

including new architectures, as well as performance models for IoT systems. IoT has paved the way to a plethora of new application domains, at the same time posing several challenges as a multitude of devices, protocols, communication channels, architectures, and middleware exist. Big data generated by these devices calls for advanced learning and data mining techniques to effectively understand, learn, and reason with this volume of information, such as cognitive technologies. Cognitive technologies play a major role in developing successful cognitive systems which mimic “cognitive” functions associated with human intelligence, such as “learning” and “problem

solving.” Thus, there is a continuing demand for recent research in these two linked fields. The Handbook of Research on Innovations and Applications of AI, IoT, and Cognitive Technologies discusses the latest innovations and applications of AI, IoT, and cognitive-based smart systems. The chapters cover the intersection of these three fields in emerging and developed economies in terms of their respective development situation, public policies, technologies and intellectual capital, innovation systems, competition and strategies, marketing and growth capability, and governance and relegation models. These applications span areas such as healthcare, security and privacy,

industrial systems, multidisciplinary sciences, and more. This book is ideal for technologists, IT specialists, policymakers, government officials, academics, students, and practitioners interested in the experiences of innovations and applications of AI, IoT, and cognitive technologies.

The International Association of Engineering and Technology for Skill Development (IAETSD) is a Professional and non-profit conference organizing company devoted to promoting social, economic, and technical advancements around the world by conducting international academic conferences in various Engineering fields around the world. IAETSD organizes multidisciplinary conferences for

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academics and professionals in the fields of Engineering. In order to strengthen the skill development of the students IAETSD has established. IAETSD is a meeting place where Engineering students can share their views, ideas, can improve their technical knowledge, can develop their skills and for presenting and discussing recent trends in advanced technologies, new educational environments and innovative technology learning ideas. The intention of IAETSD is to expand the knowledge beyond the boundaries by joining the hands with students, researchers, academics and industrialists etc, to explore the technical knowledge all over the world, to publish proceedings. IAETSD

offers opportunities to learning professionals for the exploration of problems from many disciplines of various Engineering fields to discover innovative solutions to implement innovative ideas. IAETSD aimed to promote upcoming trends in Engineering. In a knowledge-based economy, there is no doubt that an understanding of IPRs is indispensable for informed policy making in all areas of human development. The main aim of the Seminar was to create awareness about IPRs and Patent laws in India, the key concerns surrounding the issue of IPRs for developing countries, its pervasive role in people's lives and the society in general, and the rationale behind the conceptualization of

geographical indications. It helped to provide a platform where experts, delegates, academicians, as well as the student community, could interact and exchange their ideas and knowledge pertaining to the emerging issues and challenges in the field of IPRs.

Basic Concepts and Fundamentals

ICCNCT 2018

***International Journal of Cross-Cultural Studies: Vol.1,
No.1***

Intelligent and Reliable Engineering Systems

Proceedings of ICAEES 2014, Volume 1

***Proceedings of International Conference on
Communication and Networks***

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Teaching English Language Learners Worldwide

About CounsellingGuru CounsellingGuru is a comprehensive guide for all the Engineering aspirants of Tamilnadu.

This book is aimed at providing complete information about engineering studies and statistical analysis on Tamilnadu Engineering Admissions [TNEA] counselling. It gives an insight to the reader about various branches of study in engineering and helps in selecting suitable branch of study based on one's

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personal preference and performance in final school year. Why CounsellingGuru?In the recent years, the interest towards engineering has increased among student community in Tamilnadu. Also in the last 13 years, the number of engineering colleges has increased approximately from 200 to 520+. In this scenario finding information about all the colleges and selecting the right branch in right college has become a tough task for any

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engineering aspirant. It is not easy, to come up with a right decision for one's career, based on the vast amount of information available in the internet and through other sources. One of the strongest motivations for writing this book is to provide complete information about different engineering branches, colleges, and the counselling process followed in Tamilnadu Engineering Admissions. Analyzing the information about

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previous year counsellings, helps a student to take an informed decision about the suitable branch and college for his/her rank. Based on the counselling trend from the year 2007 to till date, this book is aimed at addressing the basic questions like 1. For one's TNEA rank, which is the best college and course? 2. What are the top colleges for a particular branch? 3. What does one learn in a particular Engineering branch? 4. Which branch &

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college was selected by a candidate with the same TNEA rank during the last few years? Counselling Guru will definitely help every engineering aspirant to take right decision for their career. What is inside?Engineering Branches - Overview, Scope of each branches, who can opt each branch, etc. List of all Engineering Colleges in Tamilnadu - Coming under Anna University CounsellingTop Engineering Colleges - Overall (Top

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100) and Branch-wise (Top 50) priority list TNEA Historic data analysis from TNEA 2007 onward
Counselling Worksheet for TNEA
Tips for choosing payment seats
Guidelines for students and parents appearing for Engineering counselling
The guidelines given in this book are developed by authors based on their rich experience in academics and engineering industry.
More Info @ <http://www.counselling.guru/counsellingguru.html>

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The inadequate use of wireless spectrum resources has recently motivated researchers and practitioners to look for new ways to improve resource efficiency. As a result, new cognitive radio technologies have been proposed as an effective solution. Sensing Techniques for Next Generation Cognitive Radio Networks is a pivotal reference source that provides vital research on the application of spectrum sensing techniques. While highlighting

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topics such as radio identification, compressive sensing, and wavelet transform, this publication explores the standards and the methods of cognitive radio network architecture. This book is ideally designed for IT and network engineers, practitioners, and researchers seeking current research on radio scene analysis for cognitive radios and networks.

Recent developments in soft-computation techniques have paved the way for

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handling huge volumes of data, thereby bringing about significant changes and technological advancements. This book presents the proceedings of the 3rd International Conference on Emerging Current Trends in Computing & Expert Technology (COMET 2020), held at Panimalar Engineering College, Chennai, India on 6 and 7 March 2020. The aim of the book is to disseminate cutting-edge developments taking place in the technological fields of intelligent

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systems and computer technology, thereby assisting researchers and practitioners from both institutions and industry to upgrade their knowledge of the latest developments and emerging areas of study. It focuses on technological innovations and trendsetting initiatives to improve business values, optimize business processes and enable inclusive growth for corporates, industries and education alike. The book is divided

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into two sections; 'Next Generation Soft Computing' is a platform for scientists, researchers, practitioners and academics to present and discuss their most recent innovations, trends and concerns, as well as the practical challenges encountered in the field. The second section, 'Evolutionary Networking and Communications' focuses on various aspects of 5G communications systems and networking, including cloud and virtualization solutions,

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management technologies, and vertical application areas. It brings together the latest technologies from all over the world, and also provides an excellent international forum for the sharing of knowledge and results from theory, methodology and applications in networking and communications. The book will be of interest to all those working in the fields of intelligent systems and computer technology. This book features high-quality

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research papers presented at the 4th International Conference on Computational Intelligence in Pattern Recognition (CIPR 2022), held at Indian Institute of Engineering Science and Technology, Shibpur, Howrah, West Bengal, India, during 23 - 24 April 2022. It includes practical development experiences in various areas of data analysis and pattern recognition, focusing on soft computing technologies, clustering and

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classification algorithms, rough set and fuzzy set theory, evolutionary computations, neural science and neural network systems, image processing, combinatorial pattern matching, social network analysis, audio and video data analysis, data mining in dynamic environments, bioinformatics, hybrid computing, big data analytics and deep learning. It also provides innovative solutions to the challenges in these areas and discusses recent

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developments.

Proceedings of the International
Conference on Information Engineering,
Management and Security 2015

Proceedings of ICICA 2018

Computer and Network Technology

Outlook

Smart Intelligent Computing and
Applications

Proceedings of International Conference
on Robotics and Its Industrial
Applications 2019

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Computational Intelligence in Pattern Recognition

This book (CCIS 837) constitutes the refereed proceedings of the Second International Conference on Soft Computing Systems, ICSCS 2018, held in Sasthamcotta, India, in April 2018. The 87 full papers were carefully reviewed and selected from 439 submissions. The papers are organized in topical sections on soft computing, evolutionary algorithms, image processing, deep learning, artificial intelligence, big data analytics, data mining, machine learning, VLSI, cloud computing, network communication,

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power electronics, green energy.

This book shares important findings on the application of robotics in industry using advanced mechanisms, including software and hardware. It presents a collection of recent trends and research on various advanced computing paradigms such as soft computing, robotics, smart automation, power control, and uncertainty analysis. The book constitutes the proceedings of the 1st International Conference on Application of Robotics in Industry using Advanced Mechanisms (ARIAM2019), which offered a platform for sharing original research findings, presenting innovative ideas and applications, and comparing

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notes on various aspects of robotics. The contributions highlight the latest research and industrial applications of robotics, and discuss approaches to improving the smooth functioning of industries. Moreover, they focus on designing solutions for complex engineering problems and designing system components or processes to meet specific needs, with due considerations for public health and safety, including cultural, societal, and environmental considerations. Taken together, they offer a valuable resource for researchers, scientists, engineers, professionals and students alike.

The Third Revised And Enlarged Edition Of The

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Directory Of Libraries In India Contains Much Larger Number Of Addresses Of Libraries In India. Special Chapters Have Been Added On Addresses Of Institutions Offering Courses On Important Subjects Like Management, Medicine And Nursing, Engineering And Technology, Architecture, Law, Sports Etc.It Is Hoped That The Directory In Its Present Form Would Be Found Highly Useful By Publishers And Booksellers In Mailing Their Publicity Material. The Directory Would Also Be Useful To Librarians And Others Concerned With Educational Institutions And Organisations For Getting Information About Libraries In India.

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This book features high-quality research papers presented at the 2nd International Conference on Sustainable Expert Systems (ICSES 2021), held in Nepal during September 17-18, 2021. The book focusses on the research information related to artificial intelligence, sustainability, and expert systems applied in almost all the areas of industries, government sectors, and educational institutions worldwide. The main thrust of the book is to publish the conference papers that deal with the design, implementation, development, testing, and management of intelligent and sustainable expert systems and also to provide both theoretical and

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practical guidelines for the deployment of these systems.

11th International Conference on Intelligent Energy Management, Electronics, Electric & Thermal Power, Robotics and Automation (IEMERA-2020)

ComNet 2016

International Conference on Intelligent Computing and Applications

Artificial Intelligence Applications in Electrical Transmission and Distribution Systems Protection ICSES 2021

Proceedings of the National Symposium on Green Energy and its Green Chemistry for Sustainable

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Future (GEGCS-2019)

Information and Communication Technology for Sustainable Development

This book gathers selected papers presented at the Inventive Communication and Computational Technologies conference (ICICCT 2021), held on 25–26 June 2021 at Gnanamani College of Technology, Tamil Nadu, India. The book covers the topics such as Internet of things, social networks, mobile communications, big data analytics, bio-inspired computing, and cloud computing. The book is exclusively intended for academics and practitioners working to resolve practical

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issues in this area.

Counselling GuruA Comprehensive Guide for Tamilnadu Engineering AdmissionsGuru Vinayana Academy

This book focuses on the emerging advances in distributed communication systems, big data, intelligent computing and Internet of Things, presenting state-of-the-art research in frameworks, algorithms, methodologies, techniques and applications associated with data engineering and wireless distributed communication technologies. In addition, it discusses potential topics like performance analysis, wireless communication network data security and privacy, human computer interaction

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5G Networks, and smart automated systems, which will provide insights for the evolving data communication technologies. In a nutshell, this proceedings book compiles novel and high-quality research that offers innovative solutions for communications in IoT networks. The volume contains 75 papers presented at International Conference on Communication and Networks (COMNET 2015) held during February 19–20, 2016 at Ahmedabad Management Association (AMA), Ahmedabad, India and organized by Computer Society of India (CSI), Ahmedabad Chapter, Division IV and Association of Computing Machinery (ACM), Ahmedabad Chapter. The

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book aims to provide a forum to researchers to propose theory and technology on the networks and services, share their experience in IT and telecommunications industries and to discuss future management solutions for communication systems, networks and services. It comprises of original contributions from researchers describing their original, unpublished, research contribution. The papers are mainly from 4 areas - Security, Management and Control, Protocol and Deployment, and Applications. The topics covered in the book are newly emerging algorithms, communication systems, network standards, services, and applications

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International Conference On Advances In Engineering And Technology Vijayawada

Green Materials and Advanced Manufacturing Technology

Proceedings of ICICCT 2021

Proceedings of CIPR 2022

Foundation for Smart Cities, eHealth, and Ubiquitous Computing

Proceeding of the International Conference on Computer Networks, Big Data and IoT (ICCBI - 2018)

A Comprehensive Guide for Tamilnadu Engineering Admissions

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Book of Abstract Green chemistry is a new trend to design safer chemicals and processes. It helps in achieving sustainability in chemical production. The desire of researchers to make products that are environmentally and eco benign expanded the scope of green chemistry. The scope of the symposium provides an ample opportunity for researchers to demonstrate their inventions in the practice of sustainability in the field of chemical sciences to promote awareness. IEMERA is a three-day International Conference specially designed with cluster of scientific and technological sessions, providing a common platform for the researchers, academicians, industry delegates

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across the globe to share and exchange their knowledge and contribution. The emerging areas of research and development in Electrical, Electronics, Mechanical and Software technologies are major focus areas. The conference is equipped with well-organized scientific sessions, keynote and plenary lectures, research paper and poster presentations and world-class exhibitions. Moreover, IEMERA 2020 facilitates better understanding of the technological developments and scientific advancements across the world by showcasing the pace of science, technology and business areas in the field of Energy Management, Electronics, Electric & Thermal Power, Robotics and

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Automation.

The book is a collection of best papers presented at the International Conference on Intelligent Computing and Applications (ICICA 2018), held at Velammal Engineering College, Chennai, India on 2-3 February 2018. Presenting original work in the field of computational intelligence and power and computing technology, it focuses on soft computing applications in power systems; power-system modeling and control; FACTS devices – applications in power systems; power-system stability and switchgear and protection; power quality issues and solutions; smart grids; green and renewable energy technologies; optimization

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techniques in electrical systems; power electronics controllers for power systems; power converters and modeling; high voltage engineering; diagnosis and sensing systems; and robotics.

The book proposes new technologies and discusses future solutions for design infrastructure for ICT. The book contains high quality submissions presented at Second International Conference on Information and Communication Technology for Sustainable Development (ICT4SD - 2016) held at Goa, India during 1 - 2 July, 2016. The conference stimulates the cutting-edge research discussions among many academic pioneering researchers, scientists, industrial engineers,

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and students from all around the world. The topics covered in this book also focus on innovative issues at international level by bringing together the experts from different countries.

Handbook of Research on Innovations and Applications of AI, IoT, and Cognitive Technologies

Advanced Computing

Artificial Intelligence and Evolutionary Computations in Engineering Systems

Second International Conference, ICSCS 2018, Kollam, India, April 19-20, 2018, Revised Selected Papers

Counselling Guru

Proceedings of Second International Conference on

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Sustainable Expert Systems

Proceedings of the Second International Conference on SCI 2018, Volume 1

This Edited Volume gathers a selection of refereed and revised papers originally presented at the Third International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS'17), held on September 13–16, 2017 in Manipal, India. The papers offer stimulating insights into biometrics, digital watermarking,

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recognition systems, image and video processing, signal and speech processing, pattern recognition, machine learning and knowledge-based systems. Taken together, they offer a valuable resource for all researchers and scientists engaged in the various fields of signal processing and related areas.

It is estimated that over 1 billion people are currently learning English world wide. According to the British

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Council, as of the year 2,000 there were 750 million English as a Foreign language speakers. In addition, there were 375 million English as a Second Language speakers. The difference between the two groups amounts to English as a Foreign Language speakers using English occasionally for business or pleasure, while English as a Second Language speakers use English on a daily basis. These impressive numbers are driven by adult speakers around the

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world who use English to communicate in the workplace. It is a commonly held misconception that these speakers need English to communicate with native speakers. While ESL is required for those living and working in English speaking cultures such as the UK and USA, it is equally true that English is used as the lingua franca between nations where English is not the primary language. In a globalized world, the number of English learners

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around the world is only expected to further grow as the global trend to begin teaching English to young learners at increasingly younger and younger ages continues. Teaching English Language Learners Worldwide contains relevant ELT pedagogy, educational theory, and is a Practical Guide for both the new and experienced teacher. The practical guidebook offers educators practical strategies for teaching in all settings: EAL / EIL /

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ELL / ESL / EFL worldwide. It is written by a teacher of English who has over a decade experience in a variety of settings, including language institutes, schools, and university, with all ages and levels, from beginner to advanced. The book is written in a friendly, engaging, authentic, practical voice. It makes for easy reading and reference while motivating and interacting with the reader. The author is the Past-President of TESOL

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Chile, and thus is no stranger to the controversial topics in English Language Teaching, which he takes head on in this book. The writer says: "This is the book I wish I had when I first started teaching English language learners. It would have made me a better teacher." It provides research-based instructional techniques which have proven effective with English learners at all proficiency levels. The author requests you write a review for

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this book if you find this book to be helpful to you in your practical teaching, where it is most valuable. Thank you in advance for your support. The book is a collection of high-quality peer-reviewed research papers presented in Proceedings of International Conference on Artificial Intelligence and Evolutionary Algorithms in Engineering Systems (ICAEES 2014) held at Noorul Islam Centre for Higher Education,

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Kumaracoil, India. These research papers provide the latest developments in the broad area of use of artificial intelligence and evolutionary algorithms in engineering systems. The book discusses wide variety of industrial, engineering and scientific applications of the emerging techniques. It presents invited papers from the inventors/originators of new applications and advanced technologies. The book is a collection of high-

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quality peer-reviewed research papers presented in the first International Conference on International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES -2015) held at Velammal Engineering College (VEC), Chennai, India during 22 - 23 April 2015. The book discusses wide variety of industrial, engineering and scientific applications of the emerging techniques. Researchers from academic

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and industry present their original work and exchange ideas, information, techniques and applications in the field of Communication, Computing and Power Technologies.

Proceedings of the International Conference on ICCIDM 2018

International Conference on Computer Applications 2012 :: Volume 02

India Today

Artificial Intelligence and

Evolutionary Algorithms in Engineering

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Systems

The Internet of Things

Theory and Practical Guide

Inventive Communication and Computational Technologies

Artificial intelligence (AI) can successfully help in solving real-world problems in power transmission and distribution systems because AI-based schemes are fast, adaptive, and robust and are applicable without any knowledge of the system parameters. This book considers the application of AI methods for the protection of different types and

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topologies of transmission and distribution lines. It explains the latest pattern-recognition-based methods as applicable to detection, classification, and location of a fault in the transmission and distribution lines, and to manage smart power systems including all the pertinent aspects. FEATURES Provides essential insight on uses of different AI techniques for pattern recognition, classification, prediction, and estimation, exclusive to power system protection issues Presents an introduction to enhanced electricity system analysis using decision-making tools Covers AI applications

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in different protective relaying functions
Discusses issues and challenges in the
protection of transmission and distribution
systems Includes a dedicated chapter on case
studies and applications This book is aimed
at graduate students, researchers, and
professionals in electrical power system
protection, stability, and smart grids.
The book features research papers presented
at the International Conference on Computer
Networks and Inventive Communication
Technologies (ICCNCT 2018), offering
significant contributions from researchers
and practitioners in academia and industry.

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The topics covered include computer networks, network protocols and wireless networks, data communication technologies, and network security. Covering the main core and specialized issues in the areas of next-generation wireless network design, control, and management, as well as in the areas of protection, assurance, and trust in information security practices, these proceedings are a valuable resource, for researchers, instructors, students, scientists, engineers, managers, and industry practitioners.

The recent developments in the area of

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Mechanical Engineering Design is very encouraging and this book by results of International Conference on Mechanical Engineering Design (ICMED 2016, Chennai, TamilNadu, India, April 25-26, 2016) will provide an effective medium for the dissemination of recent advances and original works of industry professionals, academicians and research scholars from around the globe in Mechanical Engineering Design and its impact on the components manufacturing process in an integrated, highly focused and coherent format. We hope that the outcomes of this book will help in different working

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situations, bridge research and practice and respond positively to emerging issues in various mechanical engineering designs. International Conference on Computer Networks and Communication Technologies

ICICI 2019

Proceedings of Third International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS-2017), September 13-16, 2017, Manipal, India

Intelligent Systems and Computer Technology

Proceedings of ICT4SD 2016, Volume 1

Sensing Techniques for Next Generation

Cognitive Radio Networks

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Applications of Robotics in Industry Using
Advanced Mechanisms