

## **Cv Manisha Sethi A Central University**

Escaping the WorldThe White Tiger2014Inflammation, Lifestyle and Chronic DiseasesProceedings of International Conference on IoT Inclusive Life (ICIIL 2019), NITTTR Chandigarh, IndiaUnderstanding Mental DisordersSecurity in Computing and CommunicationsArtificial Intelligence and Evolutionary Computations in Engineering SystemsSmart Computing and InformaticsSoft Computing and Signal ProcessingAdvances in Communication and Computational TechnologyGeometric and Ergodic Aspects of Group ActionsAyurvedic HealingAdvances in Data Sciences, Security and ApplicationsCholangioscopyKafkalandData Science and AnalyticsSoft Computing: Theories and ApplicationsHandbook of Drying of Vegetables and Vegetable ProductsThe Unquiet RiverRecent Trends in Image Processing and Pattern RecognitionA.P. Giannini and the Giannini Foundation of Agricultural EconomicsIndia-Iran RelationsAssamComputer Vision, Graphics and Image ProcessingContemporary ComputingVisual Memories from Sultanate of OmanIndia's Foreign Relations, 1947-2007Gender, Peace and ConflictProceedings of the International Conference on Recent Cognizance in Wireless Communication & Image ProcessingContemporary ComputingEvidence-Based Practice: Toward Optimizing Clinical OutcomesSmart Computing and InformaticsConfessions of a Secular FundamentalistSustainable CatalysisInformation Processing and ManagementA Time of TransitionSmart Systems and IoT: Innovations in ComputingInformation Systems Design and Intelligent ApplicationsOxidative Stress in Lung Diseases

### **Escaping the World**

Mani Shankar Aiyar looks back to the changes that have taken place during the 'Time of Transition' "the two decades since Prime Minister Rajiv Gandhi left office after the Lok Sabha elections of November 1989. Rajiv Gandhi was the fourth prime minister of India in four decades of independence, but the last twenty years have seen as many as eight prime ministers and several more governments. Accompanying the change from single-party governance to the instability of coalition politics are major transformations in the pace, trajectory and even the goals of nation-building. It is these contentious transitions that are reflected in the five major themes of this volume: Democracy, Secularism, Socialism, Nonalignment, and Neighbourhood Policy. Mani Shankar Aiyar was both a witness to, and a reluctant participant in, these processes of change: as joint secretary in Rajiv Gandhi's prime minister's office, as an MP since 1991, and today as a cabinet minister in the United Progressive Alliance government. His columns for the Indian Express are analytical and vivid commentaries on their times, written in the author's inimitable style. This collection sheds light on a critically significant era in contemporary India.

### **The White Tiger**

This book gathers selected research papers presented at the AICTE-sponsored International Conference on IoT Inclusive Life (ICIIL 2019), which was organized by the Department of Computer Science and Engineering, National Institute of Technical Teachers Training and Research, Chandigarh, India, on December 19–20, 2019. In contributions by active researchers, the book presents innovative findings and important developments in IoT-related studies, making it a valuable resource for researchers, engineers, and industrial professionals around the globe.

## **2014**

This handbook provides a comprehensive overview of the processes and technologies in drying of vegetables and vegetable products. The Handbook of Drying of Vegetables and Vegetable Products discusses various technologies such as hot airflow drying, freeze drying, solar drying, microwave drying, radio frequency drying, infrared radiation drying, ultrasound assisted drying, and smart drying. The book's chapters are clustered around major themes including drying processes and technologies, drying of specific vegetable products, properties during vegetable drying, and modeling, measurements, packaging & safety. Specifically, the book covers drying of different parts and types of vegetables such as mushrooms and herbs; changes to the properties of pigments, nutrients, and texture during drying process; dried products storage; nondestructive measurement and monitoring of moisture and morphological changes during vegetable drying; novel packaging; and computational fluid dynamics.

## **Inflammation, Lifestyle and Chronic Diseases**

### **Proceedings of International Conference on IoT Inclusive Life (ICIIL 2019), NITTTR Chandigarh, India**

## **Understanding Mental Disorders**

This book constitutes the refereed papers of the 2nd International Conference on Contemporary Computing, which was held in Noida (New Delhi), India, in August 2009. The 61 revised full papers presented were carefully reviewed and selected from 213 submissions and focus on topics that are of contemporary interest to computer and computational scientists and engineers. The papers are organized in topical sections on Algorithms, Applications, Bioinformatics, and Systems.

## **Security in Computing and Communications**

SOON TO BE A MAJOR MOTION PICTURE The stunning Booker Prize-winning novel from the author of *Amnesty* and *Selection Day* that critics have likened to Richard Wright's *Native Son*, *The White Tiger* follows a darkly comic Bangalore driver through the poverty and corruption of modern India's caste society. "This is the authentic voice of the Third World, like you've never heard it before" (John Burdett, *Bangkok 8*). The white tiger of this novel is Balram Halwai, a poor Indian villager whose great ambition leads him to the zenith of Indian business culture, the world of the Bangalore entrepreneur. On the occasion of the president of China's impending trip to Bangalore, Balram writes a letter to him describing his transformation and his experience as driver and servant to a wealthy Indian family, which he thinks exemplifies the contradictions and complications of Indian society. Recalling *The Death of Vishnu* and *Bangkok 8* in ambition, scope, *The White Tiger* is narrative genius with a mischief and personality all its own. Amoral, irreverent, deeply endearing, and utterly contemporary, this novel is an international publishing sensation—and a startling, provocative debut.

## **Artificial Intelligence and Evolutionary Computations in Engineering Systems**

### **Smart Computing and Informatics**

- What impact does gender difference make to political decision-making? - Will the political empowerment of women contribute to a more peaceful world? The role of gender has been increasingly recognized as central to the study and analysis of the traditionally male domains of war and international relations. This book explores the key role of gender in peace research, conflict resolution and international politics. Rather than simply 'add gender' the aim is to transcend different disciplinary boundaries and conceptual approaches to provide a more integrated basis for future study. To this end it uniquely combines theoretical chapters alongside empirical case studies to demonstrate the importance of a gender perspective to both theory and practice in conflict resolution and peace research. The theoretical chapters explore the gender relationship and engage with the many stereotypical dichotomies like femininity and peace and masculinity and war. The case study chapters (drawing on examples from South America, South Asia and Europe, including former Yugoslavia) move beyond theoretical critique to focus on issues like sexual violence in war, the role of women in military groups and peacekeeping operations and the impact of a 'critical mass' of women in political decision-making. *Gender, Peace and Conflict* will provide an invaluable survey and new insights to a central area of contemporary research. It will be essential reading for academics, students and practitioners across peace studies, conflict resolution and international politics.

### **Soft Computing and Signal Processing**

This book gathers the best papers presented at the International Conference on Data Sciences, Security and Applications (ICDSSA 2019), organized by Bharati Vidyapeeth's College of Engineering, New Delhi, India, on 7–8 March 2019. The respective contributions present original research work, essential information, techniques and applications in the fields of data mining, artificial intelligence and computational intelligence. They also discuss machine learning in business intelligence and big data analytics, soft computing, security, cloud computing and the latest trends.

## **Advances in Communication and Computational Technology**

The book focuses on soft computing and its applications to solve real-world problems in different domains, ranging from medicine and health care, to supply chain management, image processing and cryptanalysis. It includes high-quality papers presented at the International Conference on Soft Computing: Theories and Applications (SoCTA 2018), organized by Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India. Offering significant insights into soft computing for teachers and researchers alike, the book inspires more researchers to work in the field of soft computing.

## **Geometric and Ergodic Aspects of Group Actions**

This book analyses India's relations with its neighbours (China, Pakistan, Bangladesh, Sri Lanka) and other world powers (USA, UK, and Russia) over a span of 60 years. It traces the roots of independent India's foreign policy from the Partition and its fallout, its nascent years under Nehru, and non-alignment to the influence of economic liberalization and globalization. The volume delves into the underlying reasons of persistent problems confronting India's foreign policy-makers, as well as foreign-policy interface with defence and domestic policies. This book will be indispensable to students, scholars and teachers of South Asian studies, international relations, political science, and modern Indian history.

## **Ayurvedic Healing**

This book constitutes the refereed proceedings of the Indian Conference on Computer Vision, Graphics and Image Processing, ICVGIP 2006, held in Madurai, India, December 2006. Coverage in this volume includes image restoration and super-resolution, image filtering, visualization, tracking and surveillance, face-, gesture-, and object-recognition, compression, content based image retrieval, stereo/camera calibration, and biometrics.

## **Advances in Data Sciences, Security and Applications**

This book presents selected research papers on current developments in the fields of soft computing and signal processing

from the Second International Conference on Soft Computing and Signal Processing (ICSCSP 2019). The respective contributions address topics such as soft sets, rough sets, fuzzy logic, neural networks, genetic algorithms and machine learning, and discuss various aspects of these topics, e.g. technological considerations, product implementation, and application issues.

## **Cholangioscopy**

The book features original papers from the 2nd International Conference on Smart IoT Systems: Innovations and Computing (SSIC 2019), presenting scientific work related to smart solution concepts. It discusses computational collective intelligence, which includes interactions between smart devices, smart environments and smart interactions, as well as information technology support for such areas. It also describes how to successfully approach various government organizations for funding for business and the humanitarian technology development projects. Thanks to the high-quality content and the broad range of the topics covered, the book appeals to researchers pursuing advanced studies.

## **Kafkaland**

Presents the Ayurvedic treatment of common diseases, covering over eighty different ailments from the common cold to cancer.

## **Data Science and Analytics**

Understanding Mental Disorders: Your Guide to DSM-5® is a consumer guide for anyone who has been touched by mental illness. Most of us know someone who suffers from a mental illness. This book helps those who may be struggling with mental health problems, as well as those who want to help others achieve mental health and well-being. Based on the latest, fifth edition of the Diagnostic and Statistical Manual of Mental Disorders—known as DSM-5®—Understanding Mental Disorders provides valuable insight on what to expect from an illness and its treatment—and will help readers recognize symptoms, know when to seek help, and get the right care. Featured disorders include depression, schizophrenia, ADHD, autism spectrum disorder, posttraumatic stress disorder, and bipolar disorder, among others.

## **Soft Computing: Theories and Applications**

This book constitutes the first part of the refereed proceedings of the Third International Conference, IC3 2010, held in Noida, India, in August 2010. The 23 revised full papers presented were carefully reviewed and selected from numerous

submissions.

## **Handbook of Drying of Vegetables and Vegetable Products**

The book attends to a historical question — how to account for the high numbers of renouncers (sadhvis) mentioned in medieval and ancient texts — which has been acknowledged and raised, but left unaddressed within Jain studies. It does so through ethnographic data gathered through extensive fieldwork among the sadhvis in Delhi and Jaipur. The volume foregrounds the primacy of ‘choice’ and ‘agency’— upheld by the nuns themselves, who associate asceticism with autonomy, freedom, joy, spiritual well-being, self-worth and peace, and grihastha (household) with loss of independence, fettered existence, degradation, burdensome familial obligations and social responsibilities. It also examines whether it may be apt to term Jain nuns as practitioners of an ‘indigenous mode of feminism’. The book challenges the existing sociological theories of renunciation and tests the feminist concepts of agency and autonomy by investigating the culturally coded roles ascribed to women in Jainism, which are variegated, and examines how a fractured discourse and reality is resolved in the subjectivities and identities of female ascetics. The very legitimacy of the institution of female asceticism, and the way in which the society (samaj) upholds and sustains it, renders female asceticism into a socially approved alternative institution — albeit one that allows Jain nuns to create spaces of relative and autonomy and even prestige for themselves.

## **The Unquiet River**

It is my pleasure to write the preface for Information Processing and Management. This book aims to bring together innovative results and new research trends in information processing, computer science and management engineering. If an information processing system is able to perform useful actions for an objective in a given domain, it is because the system knows something about that domain. The more knowledge it has, the more useful it can be to its users. Without that knowledge, the system itself is useless. In the information systems field, there is conceptual modeling for the activity that elicits and describes the general knowledge a particular information system needs to know. The main objective of conceptual modeling is to obtain that description, which is called a conceptual schema. Conceptual schemas are written in languages called conceptual modeling languages. Conceptual modeling is an important part of requirements engineering, the first and most important phase in the development of an information system.

## **Recent Trends in Image Processing and Pattern Recognition**

In Confessions Of A Secular Fundamentalist, Mani Shankar Aiyar, Crusader For A Secular Credo, Calls For An Unambiguous And Decisive Restoration Of Secularism To The Core Of Our Nationhood. In Doing So, He Revisits Every Dimension Of Our

Secular Ethos And Exposes The Various Myths Perpetuated By Communal Elements Of All Hues. Putting Under The Scanner Contentious Issues Like Conversions, Uniform Civil Code And Article 370, He Nails The Falsehood Underlying Terms Like Pseudo-Secularism , Appeasement And Soft Hindutva . And He Places The Domestic Debate Over Secularism In India In The Wider External Dimension By Discussing The Experiences Of Countries Like Pakistan, Sri Lanka, Israel And Erstwhile Yugoslavia. Admitting To Wearing His Secularism On His Sleeve, Aiyar Reasons That Only A Determined And Inflexible Adherence To Secularism Can Counter Religious Bigotry And Fundamentalism. Clear In His Convictions, With History, Logic And Persuasive Argument At His Command, This Is Mani Shankar Aiyar At His Best, On A Subject That We Can Ignore Only At Our Own Peril.

### **A.P. Giannini and the Giannini Foundation of Agricultural Economics**

The book is a collection of high-quality peer-reviewed research papers presented in the International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES 2017). The book discusses wide variety of industrial, engineering and scientific applications of the emerging techniques. Researchers from academia and industry have presented their original work and ideas, information, techniques and applications in the field of communication, computing and power technologies.

### **India-Iran Relations**

This work of art is an attempt to showcase the magnificent beauty of Sultanate of Oman. It has a unique and untouched natural setting. The photographs were captured during my teaching assignment associated with the College of Applied Sciences, Salalah. Photographs comprise mostly from Salalah, Nabi Ayub, Al-Mugsail, Haasik, Hadbin, Al- Saada, Empty Quarter, Ubar from Dhofar region of Oman. In addition to these, Pictures from Sur city of Oman were also included. The photo on the cover page was conferred as the best photograph in the photography competition on the World Tourism day. I am grateful to all my colleagues, students, family and friends who helped me during my short stint in Oman. The serenity and undisturbed environment waits for much more exploration to envisage the natural beauty of Oman. -Dr.Krishna Sankar Kusuma

### **Assam**

Health care is witnessing an explosion of fundamental, clinical and translational research evidence. The emerging paradigm of evidence-based health care rests on the judicious integration of the patient needs/wants, the provider's expertise, and the best available research evidence in the treatment plan. The purpose of this book is to discuss the promise and the

limitations of incorporating the best available evidence in clinical practice. It seeks to characterize and define how best available research evidence can be used in clinical practice and to what respect it applies to current public health issues.

## **Computer Vision, Graphics and Image Processing**

This volume contains 74 papers presented at SCI 2016: First International Conference on Smart Computing and Informatics. The conference was held during 3-4 March 2017, Visakhapatnam, India and organized communally by ANITS, Visakhapatnam and supported technically by CSI Division V - Education and Research and PRF, Vizag. This volume contains papers mainly focused on applications of advanced intelligent techniques to video processing, medical imaging, machine learning, sensor technologies, and network security.

## **Contemporary Computing**

Highlighting sustainable catalytic processes in synthetic organic chemistry and industry, this useful guide places special emphasis on catalytic reactions carried out at room temperature. It describes the fundamentals, summarizes key advances, and covers applications in industrial processes in the field of energy generation from renewables, food science, and pollution control. Throughout, the latest research from various disciplines is combined, such as homogeneous and heterogeneous catalysis, biocatalysis, and photocatalysis. The book concludes with a chapter on future trends and energy challenges for the latter half of the 21st century. With its multidisciplinary approach this is an essential reference for academic and industrial researchers in catalysis science aiming to design more sustainable and energy-efficient processes.

## **Visual Memories from Sultanate of Oman**

Now available through Lippincott Williams & Wilkins, this new atlas shows readers how to use endoscopic devices to diagnose and treat bile duct disorders. All aspects of cholangioscopy are discussed, from techniques, the normal biliary tree, and benign and malignant bile-duct lesions to therapeutic interventions and complications. Radiologists, gastroenterologists, surgeons, and even oncologists will count this as a "must-have" clinical resource.

## **India's Foreign Relations, 1947-2007**

Oxidative stress and inflammation are among the most important factors of disease. Chronic infections, obesity, alcohol and tobacco usage, radiation, environmental pollutants, and high-calorie diets have been recognized as major risk factors for a variety of chronic diseases from cancer to metabolic diseases. All these risk factors are linked to chronic diseases through

inflammation. While short-term, acute inflammation generated by the immune system serves a therapeutic role, chronic low-level inflammation that may persist "silently" for decades is responsible for chronic diseases. *Inflammation, Lifestyle, and Chronic Diseases: The Silent Link* describes the role of dysregulated inflammation in persistent and recurring diseases. It investigates links to lifestyle and presents research on how the suppression of proinflammatory pathways may provide opportunities for both prevention and treatment of chronic diseases. The book covers neurodegenerative diseases, pulmonary diseases, asthma, rheumatic and arthritic diseases, skin disease, heart disease, chronic wounds, infectious disease, neuropsychiatric disorders such as depression, gastrointestinal diseases, insulin resistance, and cancer, many of which are also diseases of old age. For each chronic disease, contributors review the clinical and scientific literature and examine current and potential therapies, including conventional pharmacotherapies as well as natural products. Noting that the long-term use of steroids and nonsteroidal anti-inflammatory drugs (NSAIDs) can cause adverse side effects, many of the chapters address the role of dietary agents such as fruits, vegetables, legumes, pulses, nuts, and spices as ideal anti-inflammatory agents that can be consumed regularly. The book also suggests directions for further research. Clinical and science researchers, students, and health professionals interested in the link between inflammation, lifestyle, and chronic diseases will find this an informative resource.

## **Gender, Peace and Conflict**

This book gathers papers on recent advances in the ergodic theory of group actions on homogeneous spaces and on geometrically finite hyperbolic manifolds presented at the workshop "Geometric and Ergodic Aspects of Group Actions," organized by the Tata Institute of Fundamental Research, Mumbai, India, in 2018. Written by eminent scientists, and providing clear, detailed accounts of various topics at the interface of ergodic theory, the theory of homogeneous dynamics, and the geometry of hyperbolic surfaces, the book is a valuable resource for researchers and advanced graduate students in mathematics.

## **Proceedings of the International Conference on Recent Cognizance in Wireless Communication & Image Processing**

This book constitutes the refereed proceedings of the 4th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2017, held in Gurgaon, India, in October 2017. The 66 revised full papers presented were carefully reviewed and selected from 329 submissions. The papers are organized in topical sections on big data analysis, data centric programming, next generation computing, social and web analytics, security in data science analytics.

## **Contemporary Computing**

The Assam Accord, which sought to end a six-year-long agitation against illegal immigrants in Assam, was signed between members of the All Assam Students Union (AASU), and state and central governments just a few hours before Rajiv Gandhi was to deliver the Independence Day address in 1985. Immediately afterwards, the student leaders were catapulted from their hostel rooms into the corridors of power. Their party, the Asom Gana Parishad (AGP), was voted to power the same year, with Prafulla Kumar Mahanta becoming the youngest ever chief minister of an Indian state. Key clauses of the Assam Accord remained unimplemented during Mahanta's often controversial tenures (1985-1990, 1996-2001), and through three terms of Congress rule, which ended with the BJP's victory in the state in 2016. Central to the Accord was deportation of those who could not prove their roots in India prior to 24 March 1971. In 2015, the process of updating the National Register of Citizens (NRC) based on the 1971 cut-off of the Accord began. The first list was released in December 2017, and did not include 14 million names. Assam: The Accord, The Discord looks at the making of the Assam Accord and its long shadow on the state, through political gamesmanship between principle players, periods of ULFA and Bodo militancies, and right-wing propaganda that has split the state along communal lines.

## **Evidence-Based Practice: Toward Optimizing Clinical Outcomes**

With a new prologue 'Splendid . . . anyone who wants to understand Indian politics or think they do should read it' -Indian Express 'Delightfully written . . . he has a sharp eye for details, especially the actions of political leaders' - India Today 'Captures the drama of 2014 and the men who powered it'-Open 'Holds you to your seat, often on the edge . . . A procession of India's colourful political characters—Lalu Yadav, Amit Shah, Rahul Gandhi, Narendra Modi and many more come intimately close through the author's accounts' -The Hindu 'Candid and forthright . . . and deliciously indiscreet' -Hindustan Times 'A racy narrative that goes beyond recording immediate political history' -Tehelka The 2014 Indian general elections has been regarded as the most important elections in Indian history since 1977. It saw the decimation of the ruling Congress party, a spectacular victory for the BJP and a new style of campaigning that broke every rule in the political game. But how and why? In his riveting book, Rajdeep Sardesai tracks the story of this pivotal election through all the key players and the big news stories. Beginning with 2012, when Narendra Modi won the state elections in Gujarat for a third time but set his sights on a bigger prize, to the scandals that crippled Manmohan Singh and UPA-II, and moving to the back-room strategies of Team Modi, the extraordinary missteps of Rahul Gandhi and the political dramas of election year, he draws a panoramic picture of the year that changed India.

## **Smart Computing and Informatics**

The third international conference on INformation Systems Design and Intelligent Applications (INDIA - 2016) held in Visakhapatnam, India during January 8-9, 2016. The book covers all aspects of information system design, computer

science and technology, general sciences, and educational research. Upon a double blind review process, a number of high quality papers are selected and collected in the book, which is composed of three different volumes, and covers a variety of topics, including natural language processing, artificial intelligence, security and privacy, communications, wireless and sensor networks, microelectronics, circuit and systems, machine learning, soft computing, mobile computing and applications, cloud computing, software engineering, graphics and image processing, rural engineering, e-commerce, e-governance, business computing, molecular computing, nano-computing, chemical computing, intelligent computing for GIS and remote sensing, bio-informatics and bio-computing. These fields are not only limited to computer researchers but also include mathematics, chemistry, biology, bio-chemistry, engineering, statistics, and all others in which computer techniques may assist.

## **Confessions of a Secular Fundamentalist**

This book examines India's relationship with Iran since the post-World War II period and its unique search for meaningful bilateral ties in the West Asian region in the context of the changing regional and international scenarios. The four chapters highlight the achievements and constraints on the development of Indo-Iranian relations during the Cold War era; opportunities and limitations in bilateral engagements between India and Iran in the aftermath of the Cold War; impact of the 'US factor' on the development of crucial Indo-Iranian energy ties and the limitation imposed by India's relations with Israel and Saudi Arabia on the India-Iran ties. More specifically, the four chapters touch on the central drivers—energy imports, access to Central Asia, cooperation in Afghanistan, mutual trade and economic investments and security ties—of India's Iran policy, and how they structure India's interaction with the other countries of the region and impact on the articulation of national interests. Combining a rich interplay of facts and figures with nuanced analyses, this volume will be a valuable resource for scholars, policymakers, diplomats and any interested reader desirous of knowing more about Indo-Iranian relations in particular and India's West Asia policy in general. Please note: Taylor & Francis does not sell or distribute the Hardback in India, Pakistan, Nepal, Bhutan, Bangladesh and Sri Lanka

## **Sustainable Catalysis**

This three-book set constitutes the refereed proceedings of the Second International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R) 2018, held in Solapur, India, in December 2018. The 173 revised full papers presented were carefully reviewed and selected from 374 submissions. The papers are organized in topical sections in the three volumes. Part I: computer vision and pattern recognition; machine learning and applications; and image processing. Part II: healthcare and medical imaging; biometrics and applications. Part III: document image analysis; image analysis in agriculture; and data mining, information retrieval and applications.

## **Information Processing and Management**

This book constitutes the refereed proceedings of the 4th International Symposium on Security in Computing and Communications, SSCC 2016, held in Jaipur, India, in September 2016. The 23 revised full papers presented together with 16 short papers and an invited paper were carefully reviewed and selected from 136 submissions. The papers are organized in topical sections on cryptosystems, algorithms, primitives; security and privacy in networked systems; system and network security; steganography, visual cryptography, image forensics; applications security.

## **A Time of Transition**

This volume comprises the proceedings of the International Conference on Recent Cognizance in Wireless Communication & Image Processing. It brings together content from academicians, researchers, and industry experts in areas of Wireless Communication and Image Processing. The volume provides a snapshot of current progress in computational creativity and a glimpse of future possibilities. The proceedings include two kinds of paper submissions: (i) regular papers addressing foundation issues, describing original research on creative systems development and modeling; and (ii) position papers describing work-in-progress or research directions for computational creativity. This work will be useful to professionals and researchers working in the core areas of wireless communications and image processing.

## **Smart Systems and IoT: Innovations in Computing**

The unruly Brahmaputra has always been an agent in shaping both the landscape of its valley and the livelihoods of its inhabitants. But how much do we know of this river's rich past? Historian Arupjyoti Saikia's biography of the Brahmaputra reimagines the layered history of Assam with the unquiet river at the centre. The book combines a range of disciplinary scholarship to unravel the geological forces as well as human endeavour which have shaped the river into what it is today. Wonderfully illuminated with archival detail and interwoven with narratives and striking connections, the book allows the reader to imagine the Brahmaputra's course in history. This evocative and compelling book will be interesting reading for anyone trying to understand the past and the present of a river confronted by the twenty-first century's ambitious infrastructural designs to further re-engineer the river and its landscape.

## **Information Systems Design and Intelligent Applications**

This volume contains 68 papers presented at SCI 2016: First International Conference on Smart Computing and Informatics. The conference was held during 3-4 March 2017, Visakhapatnam, India and organized communally by ANITS,

Visakhapatnam and supported technically by CSI Division V – Education and Research and PRF, Vizag. This volume contains papers mainly focused on smart computing for cloud storage, data mining and software analysis, and image processing.

## **Oxidative Stress in Lung Diseases**

This is the second volume of the comprehensive, two-volume work on oxidative stress in lung diseases. Adopting a multidisciplinary approach, it demonstrates the cellular and molecular mechanisms associated with ROS (reactive oxygen species)-induced initiation and progression of a variety of lung diseases, such as COPD, emphysema, asthma, cystic fibrosis, occupational pulmonary diseases and pulmonary hypertension and discusses points for therapeutic intervention. The book also covers translational research and the latest research on prevention and therapeutics. Each chapter includes in-depth insights into the mechanisms associated with lung diseases and into identifying targets for drug development. Bridging the gap between fundamental and translational research, and examining applications in the biomedical and pharmaceutical industry, it is a thought-provoking read for basic and applied scientists engaged in biomedical research.

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