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### **KEY=VITAE - GOOD RIVERS**

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### **COMPUTATIONAL INTELLIGENCE, COMMUNICATIONS, AND BUSINESS ANALYTICS**

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### **SECOND INTERNATIONAL CONFERENCE, CICBA 2018, KALYANI, INDIA, JULY 27-28, 2018, REVISED SELECTED PAPERS, PART I**

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Springer The two volume set CCIS 1030 and 1031 constitutes the refereed proceedings of the Second International Conference on Computational Intelligence, Communications, and Business Analytics, CICBA 2018, held in Kalyani, India, in July 2018. The 76 revised full papers presented in the two volumes were carefully reviewed and selected from 240 submissions. The papers are organized in topical sections on computational intelligence; signal processing and communications; microelectronics, sensors, and intelligent networks; data science & advanced data analytics; intelligent data mining & data warehousing; and computational forensics (privacy and security).

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### **AURANGZEB**

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### **THE LIFE AND LEGACY OF INDIA'S MOST CONTROVERSIAL KING**

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Stanford University Press The Mughal emperor Aurangzeb Alamgir is one of the most hated men in Indian history. Widely reviled as a religious fanatic who sought to violently oppress Hindus, he is even blamed by some for setting into motion conflicts that would result in the creation of a separate Muslim state in South Asia. In her lively overview of his life and influence, Audrey Truschke offers a clear-eyed perspective on the public debate over Aurangzeb and makes the case for why his often-maligned legacy deserves to be reassessed. Aurangzeb was arguably the most powerful and wealthiest ruler of his day. His nearly 50-year reign (1658-1707) had a profound influence on the political landscape of early modern India, and his legacy—real and imagined—continues to loom large in India and Pakistan today. Truschke evaluates Aurangzeb not by modern standards but according to the traditions and values of his own time, painting a picture of Aurangzeb as a complex figure whose relationship to Islam was dynamic, strategic, and sometimes contradictory. This book invites students of South Asian history and religion into the world of the Mughal Empire, framing the contemporary debate on Aurangzeb's impact and legacy in accessible and engaging terms.

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### **LIFE OVER TWO BEERS AND OTHER STORIES**

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Penguin Random House India Private Limited An entertaining and surprising ride through an India you thought you knew Sanjeev Sanyal, bestselling author of Land of the Seven Rivers, returns to enthral readers with a collection of unusual stories. Written with Sanjeev's trademark flair, the stories crackle with irreverence and wit. In 'The Troll', a presumptuous blogger faces his undoing when he sets out to expose an Internet phenomenon. In the title story, a young man loses his job in the financial crisis and tries to reset his life over two beers. In 'The Intellectuals', a foreign researcher spends some memorable hours with Kolkata's ageing intellectuals. From the vicious politics of a Mumbai housing society to the snobberies of Delhi's cocktail circuit, the stories in Life over Two Beers get under the skin of a rapidly changing India-and leave you chuckling.

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### **ROLE OF TRANSLATION IN NATION BUILDING**

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Papers presented at the International Conference on Role of Translation in Nation Building and Supra-nationalism, held at New Delhi during 16-19 December 2010.

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### **ANTHROPOGEOMORPHOLOGY OF BHAGIRATHI-HOOGHLY RIVER SYSTEM IN INDIA**

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CRC Press The Bhagirathi-Hooghly Basin in India is one of the most densely populated regions in the world and is undergoing rapid transformation of its natural landscape induced by human interventions, such as mushrooming of dams and barrages, deforestation, and urbanization. Human activities and interventions on basin landforms and the processes that shape those landforms have accelerated at an alarming rate. This book uses spatio-temporal analysis to understand the major anthropogenic signatures on land use and land cover changes and the impact these activities have on the landforms and processes of the Bhagirathi-Hooghly River and its sub-basins. It answers the what, where, why, and how of the anthropogenic signatures involved. Recent case studies on the impact of anthropogenic signatures on fluvial forms and processes make this book a useful resource for students and researchers in the earth sciences, local governments, urban planners, and all concerned with rural developments. Features: Explores for the first time the new concept of anthropogeomorphology for the river basin—an emerging field Analyses the impact of anthropogenic activities, especially the construction of dams and reservoirs, and urbanization on major fluvial landscapes using advanced geospatial modelling techniques Investigates human interference in river systems, their effects on the dynamics of the river, and the livelihoods of the people residing along the river Addresses issues related to geology, geomorphology, geography, planning, land use, and land management areas Fills the need for data-driven governance and policy decisions for the future of urban-industrial growth in India.

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### **MULTIDISCIPLINARY VIEWS ON POPULAR CULTURE: PROCEEDINGS OF THE 5TH INTERNATIONAL SELICUP CONFERENCE**

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### **VISIONES MULTIDISCIPLINARES SOBRE LA CULTURA POPULAR: ACTAS DEL V CONGRESO INTERNACIONAL DE SELICUP**

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Universidad de Castilla La Mancha

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### **SOCIO-CULTURAL APPROACHES TO TRANSLATION**

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### **INDIAN AND EUROPEAN PERSPECTIVES (ICSCAT-2010)**

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### **UNIVERSALIST HOPES IN INDIA AND EUROPE**

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### **THE WORLDS OF RABINDRANATH TAGORE AND SREČKO KOSOVEL**

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Oxford University Press In 1913, Rabindranath Tagore received the Nobel Prize in Literature. World famous overnight, he was translated into numerous languages. Meanwhile, in Slovenia, a young, still anonymous poet felt strongly drawn to the newly available works of the Indian bard. This young man was Srečko Kosovel, who is today hailed as Slovenia's leading avant-garde poet of the interwar period. But what could Kosovel, then barely out of his teens, have in common with a figure of Tagore's stature? Deeply affected by Italy's conquest of parts of Slovene-populated territory, Kosovel was able to identify with Tagore and relate to the historical predicament of colonial subjugation. Despite coming from different backgrounds, they were kindred spirits a dynamic, creative ideal of universalism lay at the core of their concerns. As a 'true' universalist, in the sense of feeling empathy with the less fortunate, it was more in the spirit of equality that Kosovel approached Tagore. This volume is the first comparative study of the writings of these two poets who lived worlds apart but spoke in strikingly similar voices. It explores the links between India and East-Central Europe in the early decades of the twentieth century and gives expression to responses from within Europe that have largely been overlooked in postcolonial and cultural studies.

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### **GENDERED WAYS OF TRANSNATIONAL UN-BELONGING FROM A COMPARATIVE LITERATURE PERSPECTIVE**

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Cambridge Scholars Publishing As the outcome of an international conference held at Jawaharlal Nehru University, India, this book provides a collection of productive texts on, and novel critical approaches to, comparative literature for young scholars. The wide range of analytical approaches employed here allow for the opening up of texts to new readings. The contributions here encompass readings of cinema, advertisements and literary representations, such as novels, poems and short stories, and are pertinent for scholars in media studies, cultural studies, gender studies, sociology and literature. As a commentary on contemporary representations of gender, the book is also relevant for all higher education institutions which seek to heighten gender sensitivity.

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## **INTELLIGENT AND CLOUD COMPUTING**

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### **PROCEEDINGS OF ICICC 2019, VOLUME 1**

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Springer Nature This book features a collection of high-quality research papers presented at the International Conference on Intelligent and Cloud Computing (ICICC 2019), held at Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, India, on December 20, 2019. Including contributions on system and network design that can support existing and future applications and services, it covers topics such as cloud computing system and network design, optimization for cloud computing, networking, and applications, green cloud system design, cloud storage design and networking, storage security, cloud system models, big data storage, intra-cloud computing, mobile cloud system design, real-time resource reporting and monitoring for cloud management, machine learning, data mining for cloud computing, data-driven methodology and architecture, and networking for machine learning systems.

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## **GANDHI**

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### **PRACTICAL IDEALISM AND STRATEGIES OF INCLUSION**

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Papers presented at a national seminar held at Allahabad in September 2008.

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## **LITERATURE, CASTE AND SOCIETY**

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### **THE MASKS AND VEILS**

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Gyan Publishing House This groundbreaking collection presents a significantly different portrait of the medieval and modern Indian society, literature, and the nation-state. Reporting on eighteen studies in five distinct sections spanning many centuries of Indian social history it has brought fresh insights into the emergence of innumerable sub-castes owing to various factors such as political, economic, inter-religious and intercultural. This remarkable set of reconstructions presents the reader with familiar as well as unfamiliar group and areas within the subcontinent offering fresh appraisals of the evidence and of modern historical writing. What unites them here is an overarching thesis on social formation and transformation by establishing links chronologically and thematically. It is argued that although modernizing forces entered the caste system with the advent of the European missionaries and trading companies it did not radically alter the system but the changes brought about in the Indian society remained complex. There has been conflict in the society right from the time of Buddha challenging the Vedic and Shastric traditions. We find non-Brahmin tradition as part of broader Hinduism. In British India various reformers launched social reform movements to challenge the hegemony of the upper castes and to bring about change and transformation towards the egalitarian order. The books into the issues of identity, power conversion and gender inequality.

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## **INTELLIGENT COMPUTING TECHNIQUES FOR SMART ENERGY SYSTEMS**

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### **PROCEEDINGS OF ICTSES 2021**

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Springer This book compiles the best selected research papers presented during the 2nd International Conference on Intelligent Computing Techniques for Smart Energy Systems (ICTSES 2021), held at Manipal University, Jaipur, Rajasthan, India. It presents the diligent work of the research community where intelligent computing techniques are applied in allied fields of engineering ranging from engineering materials to electrical engineering to electronics and communication engineering- to computer-related fields. The theoretical research concepts are supported with extensive reviews highlighting the trends in the possible and real-life applications of computational intelligence. The high-quality content with broad range of the topics is thoroughly peer-reviewed and published on suitable recommendations.

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## **CONTROL OF IODINE IN THE NUCLEAR INDUSTRY**

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### **REPORT**

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## **TRANSCULTURAL NEGOTIATIONS OF GENDER**

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### **STUDIES IN (BE)LONGING**

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Springer Transcultural Negotiations of Gender probes into how gender is negotiated along the two axes of 'belonging' and 'longing'- the twin desires of being located within a cultural milieu, while yearning for either what has passed by or what is yet to come. It also probes into the category of 'transculturality' itself, by examining how not only does it pertain to the coming together of cultures from diverse spatial locations, but how shifts over time and changing performative modes and technological means of articulation, within what may be presumed to be the same culture, can also lead to the 'transcultural'. The volume comprises four sections. Part I, '(Be)longing in Time', examines negotiation of gender through transcultural acts of myths, rituals and religious practices being revised and revisited over time. Part II, '(Be)longing in Space', studies how gender is renegotiated when people from different spaces interact, as also when public spaces and domains themselves become sites of such negotiations. In Part III, 'Performing (Be)longing', such transcultural negotiations are located in the context of changing modes of performance, considering particularly that gender itself is performative. The final section, 'Modernity, Technology and (Be)longing', traces how gender becomes transculturally negotiated in a space like India, with the advent of modernity and its companion technology.

### **MYTHS IN CRISIS**

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#### **THE CRISIS OF MYTH**

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Cambridge Scholars Publishing This trilingual volume examines the extent to which myths are affected by the crises of the 20th and 21st centuries. It brings together four theoretical studies which analyse both the crisis of structure - implying the distortion or disappearance of myth - and the crisis of concepts and terminology that currently threaten the study of mythology. The largest section of the volume focuses on the crises that have affected ancient, medieval and modern literary myths from a global perspective, taking into account psychology, ethics, politics and contemporary meta-literature. The final section examines the crisis experienced by those myths which permeate the material world, investigating historical and fictitious characters, mythologized places, and languages. The volume is a remarkable collection of 30 texts that were selected from 300 proposals by prestigious researchers from over 30 countries during the 3rd International Conference of Myth Criticism held in Madrid in October 2014.

### **ADJECTIVE ADVERB INTERFACES IN ROMANCE**

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John Benjamins Publishing Company Within the current discussion on grammatical interfaces, the word-classes of adjective and adverb are of particular interest because they appear to be separated or joined in manifold ways at the level of word-class or syntax, with morphology playing a prominent role, especially in Romance. The volume provides typological and theoretical insights into the common or different usage of adjectives and adverbs in Romance. Diachronic change is discussed alongside with synchronic variation and the representation in grammar. The discussion turns out to be controversial, calling into question traditional assumptions such as the dogma of the invariability and the categorial status of the adverb.

### **MATERIALS, DESIGN, AND MANUFACTURING FOR SUSTAINABLE ENVIRONMENT**

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#### **SELECT PROCEEDINGS OF ICMDMSE 2020**

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Springer Nature This book comprises the select proceedings of the International Conference on Materials, Design and Manufacturing for Sustainable Environment (ICMDMSE 2020). The primary focus is on emerging materials and cutting-edge manufacturing technologies for sustainable environment. The book covers a wide range of topics such as advanced materials, vibration, tribology, finite element method (FEM), heat transfer, fluid mechanics, energy engineering, additive manufacturing, robotics and automation, automobile engineering, industry 4.0, MEMS and nanotechnology, optimization techniques, condition monitoring, and new paradigms in technology management. Contents of this book will be useful to students, researchers, and practitioners alike.

### **INDIAN POETRY IN ENGLISH**

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This new anthology features nearly 200 poems by thirty-one poets representing over 160 years of Indian Poetry in English.

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**MECHANISM AND MACHINE SCIENCE**

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**SELECT PROCEEDINGS OF ASIAN MMS 2018**

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Springer Nature This volume presents select papers from the Asian Conference on Mechanism and Machine Science 2018. This conference includes contributions from both academic and industry researchers and will be of interest to scientists and students working in the field of mechanism and machine science.

**POSTHUMANIST NOMADISMS ACROSS NON-OEDIPAL SPATIALITY**

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Vernon Press As an epistemological perspective, 'nomadism' is an emerging field of scholarship, offering intersectionality with eco-criticism, feminism, post-colonialism, migration studies, and translation. Much of the scholarship that uses the precepts of nomadism to read cultural texts and phenomena is scattered as separate articles in academic journals or as single chapters in books wherein the primary focus is the intersectional fields. Few book-length publications solely focus on the ramifications of nomadism; Posthumanist Nomadisms across non-Oedipal Spatiality fills that void. The fifteen chapters in this volume explore the possibilities offered by the nomadic perspective to explore a wide range of literary and cultural texts; organized into three sections, "Nomadic Assemblages," "Non-Oedipal Cartographies", and "Space-Time Montages", that work as one to negate absorption into the interiority of sovereign territory. These sections are not an attempt at corralling the nomadic spirit into separate enclosures; instead, they are bands of warriors that operate the violence of the hunted animal, dehumanized human others, and earth others. The chapters are in constant multi-vocal conversations with narratives that camp on the turbulent weathers of global transitory spaces. They charter real or intellectual turfs of interstitial/rhizomatic nomadic epistemologies as political resistance to the exclusionary practices of a violently wired world. This book will appeal to post-graduate students, researchers, and faculty in the departments of literature, comparative literary and cultural studies. Researchers in sociology, cultural anthropology, gender studies, and migration studies will also find the material applicable to the expanding approaches available in their fields.

**BUILDING MAINTENANCE, ELECTRICAL**

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**DISTRIBUTED GRAPH ANALYTICS**

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**PROGRAMMING, LANGUAGES, AND THEIR COMPILATION**

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Springer Nature This book brings together two important trends: graph algorithms and high-performance computing. Efficient and scalable execution of graph processing applications in data or network analysis requires innovations at multiple levels: algorithms, associated data structures, their implementation and tuning to a particular hardware. Further, programming languages and the associated compilers play a crucial role when it comes to automating efficient code generation for various architectures. This book discusses the essentials of all these aspects. The book is divided into three parts: programming, languages, and their compilation. The first part examines the manual parallelization of graph algorithms, revealing various parallelization patterns encountered, especially when dealing with graphs. The second part uses these patterns to provide language constructs that allow a graph algorithm to be specified. Programmers can work with these language constructs without worrying about their implementation, which is the focus of the third part. Implementation is handled by a compiler, which can specialize code generation for a backend device. The book also includes suggestive results on different platforms, which illustrate and justify the theory and practice covered. Together, the three parts provide the essential ingredients for creating a high-performance graph application. The book ends with a section on future directions, which offers several pointers to promising topics for future research. This book is intended for new researchers as well as graduate and advanced undergraduate students. Most of the chapters can be read independently by those familiar with the basics of parallel programming and graph algorithms. However, to make the material more accessible, the book includes a brief background on elementary graph algorithms, parallel computing and GPUs. Moreover it presents a case study using Falcon, a domain-specific language for graph algorithms, to illustrate the concepts.

**TOPICS IN ANTI-CANCER RESEARCH: VOLUME 9**

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Bentham Science Publishers Topics in Anti-Cancer Research covers new developments in the field of cancer diagnosis and drug therapy. Novel drugs as anticancer agents include natural and synthetic phenazirines and other anti-cancer compounds. The series also covers information on the current understanding of the pathology and molecular biology of

specific neoplasms. The diversity of research topics published in this book series give broad and valuable perspectives for cancer researchers, clinicians, cancer professionals aiming to develop novel anti-cancer targets and patents for the treatment of various cancers. The topics covered in this volume are: - Recent Patents on Exosome-Derived Therapeutic Agents - Serrated Lesions of the Colon and Rectum: An Overview of Pathology and Emphasis on a New Classification - Introducing the 188W/188Re and 144Ce/144Pr Plaques for Eye Cancers Brachytherapy - ShcA Family of Adaptor Proteins: Dual Role in Cell Growth - Hormones Management as Anticancer Treatment and Protection: Functions and Mechanism of Action

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## **DEPENDENCY PARSING**

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Morgan & Claypool Publishers Dependency-based methods for syntactic parsing have become increasingly popular in natural language processing in recent years. This book gives a thorough introduction to the methods that are most widely used today. After an introduction to dependency grammar and dependency parsing, followed by a formal characterization of the dependency parsing problem, the book surveys the three major classes of parsing models that are in current use: transition-based, graph-based, and grammar-based models. It continues with a chapter on evaluation and one on the comparison of different methods, and it closes with a few words on current trends and future prospects of dependency parsing. The book presupposes a knowledge of basic concepts in linguistics and computer science, as well as some knowledge of parsing methods for constituency-based representations. Table of Contents: Introduction / Dependency Parsing / Transition-Based Parsing / Graph-Based Parsing / Grammar-Based Parsing / Evaluation / Comparison / Final Thoughts

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## **ADVANCES IN BIOPROCESS ENGINEERING AND TECHNOLOGY**

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### **SELECT PROCEEDINGS ICABET 2020**

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Springer Nature This book presents the select peer-reviewed proceedings of the International Conference on Advances in Bioprocess Engineering and Technology (ICABET 2020). The book covers all aspects of bioprocesses, especially related to fermentation technology, food technology, environmental biotechnology, and sustainable energy. Along with this primary theme, the focus is on recent advances in bioprocessing research such as biosensors, micro-reactors, novel separation techniques, bioprocess control, bio-safety, advanced techniques for waste to wealth generation, and nanobiotechnology. This contents are divided according to the major themes of the conference: (i) Fermentation Technology and Bioreactor, (ii) Food Pharmaceuticals and Health care, (iii) Environment and Agriculture, and (iv) Sustainable Energy. This book is intended to help students, researchers, and industry professionals acquire knowledge on innovative technologies and recent advancements in the field of bioprocess engineering and technology.

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## **ANAPHORA RESOLUTION**

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### **ALGORITHMS, RESOURCES, AND APPLICATIONS**

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Springer This book lays out a path leading from the linguistic and cognitive basics, to classical rule-based and machine learning algorithms, to today's state-of-the-art approaches, which use advanced empirically grounded techniques, automatic knowledge acquisition, and refined linguistic modeling to make a real difference in real-world applications. Anaphora and coreference resolution both refer to the process of linking textual phrases (and, consequently, the information attached to them) within as well as across sentence boundaries, and to the same discourse referent. The book offers an overview of recent research advances, focusing on practical, operational approaches and their applications. In part I (Background), it provides a general introduction, which succinctly summarizes the linguistic, cognitive, and computational foundations of anaphora processing and the key classical rule- and machine-learning-based anaphora resolution algorithms. Acknowledging the central importance of shared resources, part II (Resources) covers annotated corpora, formal evaluation, preprocessing technology, and off-the-shelf anaphora resolution systems. Part III (Algorithms) provides a thorough description of state-of-the-art anaphora resolution algorithms, covering enhanced machine learning methods as well as techniques for accomplishing important subtasks such as mention detection and acquisition of relevant knowledge. Part IV (Applications) deals with a selection of important anaphora and coreference resolution applications, discussing particular scenarios in diverse domains and distilling a best-practice model for systematically approaching new application cases. In the concluding part V (Outlook), based on a survey conducted among the contributing authors, the prospects of the research field of anaphora processing are discussed, and promising new areas of interdisciplinary cooperation and emerging application scenarios are identified. Given the book's design, it can be used both as an accompanying text for advanced lectures in computational linguistics, natural language engineering, and computer science, and as a reference work for research and independent study. It addresses an audience that includes academic researchers, university lecturers, postgraduate students,

advanced undergraduate students, industrial researchers, and software engineers.

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### **A COURSE IN GROUP THEORY**

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Oxford University Press on Demand Each chapter ends with a summary of the material covered and notes on the history and development of group theory.

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### **CROSS-LINGUAL WORD EMBEDDINGS**

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Morgan & Claypool Publishers The majority of natural language processing (NLP) is English language processing, and while there is good language technology support for (standard varieties of) English, support for Albanian, Burmese, or Cebuano—and most other languages—remains limited. Being able to bridge this digital divide is important for scientific and democratic reasons but also represents an enormous growth potential. A key challenge for this to happen is learning to align basic meaning-bearing units of different languages. In this book, the authors survey and discuss recent and historical work on supervised and unsupervised learning of such alignments. Specifically, the book focuses on so-called cross-lingual word embeddings. The survey is intended to be systematic, using consistent notation and putting the available methods on comparable form, making it easy to compare wildly different approaches. In so doing, the authors establish previously unreported relations between these methods and are able to present a fast-growing literature in a very compact way. Furthermore, the authors discuss how best to evaluate cross-lingual word embedding methods and survey the resources available for students and researchers interested in this topic.

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### **BUSINESS INNOVATION WITH NEW ICT IN THE ASIA-PACIFIC: CASE STUDIES**

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Springer Nature This book clarifies the direction of business innovation using new ICT such as the Internet of things (IoT), artificial intelligence (AI), smartphones, and cloud computing through a series of case studies on successful trials and advanced businesses in the Asia-Pacific where many industry sectors have been growing successfully in the 21st century. ICT has been playing an important role in value creation for customers and in profit generation for providers, contributing to various service innovation and business innovation. Now, digitalization using IoT and AI provides solutions to address various issues in the human society, which is transforming services and businesses in the 21st century. “What is the direction of the business innovation using new ICT?” is a highly concerned question for business researchers and practitioners. Aiming to answer the question, this book conducts a number of cases studies in the Asia-Pacific region, including the Mainland China, Taiwan, Japan, Malaysia, Vietnam, as well as Australia. Among the studies, there are 4 cases from ICT providers, 4 cases from traditional and services, and 6 cases from new ICT applications and businesses. Each case analyzes social needs and human desires, new value created, roles of new technologies, processes and difficulties in developing new businesses, the relationship among customers, providers, and stakeholders, value chain co-creation and optimization, factors of success, and business models. Finally, the direction of business innovation with new ICT in the Asia-Pacific is suggested by summarizing the findings from the case studies through the lens of the theoretical analysis in service science.

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### **CORROSION FAILURES**

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#### **THEORY, CASE STUDIES, AND SOLUTIONS**

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John Wiley & Sons This book, the first of its kind, provides practical case studies of corrosion-induced failures that have occurred in process equipment in the engineering/ process industries in the recent past, along with the authors' analysis. Chapters deal with Basics of Corrosion, Importance of Failure Analysis, and Standard Methodology of Failure Analysis before presenting the case studies. Satisfying the needs of practicing engineers, this book helps companies save money and increase profits by avoiding process equipment downtime due to major failures.

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### **WORKING DRAWINGS HANDBOOK**

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Elsevier Working Drawings Handbook focuses on the principles, styles, methodologies, and approaches involved in drawings. The book first takes a look at the structure of information, types of drawing, and draftsmanship. Discussions focus on dimensioning, drawing conventions, techniques, materials, drawing reproduction, location drawing, component and sub-component drawings, assembly drawing, schedule, pictorial views, and structure of working drawings. The manuscript then ponders on working drawing management and other methods. Topics include planning the set, drawing register, drawing office programming, and introducing new methods. Building elements and external

features, conventions for doors and windows, symbols indicating materials, electrical, telecommunications, and fire symbols, and non-active lines and symbols are also discussed. The book is a fine reference for draftsmen and researchers interested in studying the elements of drawing.

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## **SANSKRIT COMPUTATIONAL LINGUISTICS**

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### **FIRST AND SECOND INTERNATIONAL SYMPOSIA ROCQUENCOURT, FRANCE, OCTOBER 29-31, 2007 PROVIDENCE, RI, USA, MAY 15-17, 2008, REVISED SELECTED PAPERS**

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Springer This volume constitutes the thoroughly refereed post-conference proceedings of the First and Second International Symposia on Sanskrit Computational Linguistics, held in Rocquencourt, France, in October 2007 and in Providence, RI, USA, in May 2008 respectively. The 11 revised full papers of the first and the 12 revised papers of the second symposium presented with an introduction and a keynote talk were carefully reviewed and selected from the lectures given at both events. The papers address several topics such as the structure of the Paninian grammatical system, computational linguistics, lexicography, lexical databases, formal description of sanskrit grammar, phonology and morphology, machine translation, philology, and OCR.

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## **CERVANTES AND DON QUIXOTE**

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### **PROCEEDINGS OF THE DELHI CONFERENCE ON MIGUEL DE CERVANTES**

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## **2D MATERIALS FOR SURFACE PLASMON RESONANCE-BASED SENSORS**

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CRC Press 2D Materials for Surface Plasmon Resonance-based Sensors offers comprehensive coverage of recent design and development (including processing and fabrication) of 2D materials in the context of plasmonic-based devices. It provides a thorough overview of the basic principles and techniques used in the analysis and design of 2D material-based optical sensor systems. Beginning with the basic concepts of plasmon/plasmonic sensors and mathematical modelling, the authors explain the fundamental properties of 2D materials, including Black Phosphorus (BP), Phosphorene, Graphene, Transition metal dichalcogenides (TMDCs), MXene's and SW-CNT. It also details the applications of these emerging materials in clinical diagnosis and their future trends. This text will be useful for practising engineers, undergraduate and postgraduate students. Key Features Presents the fundamental concepts of 2D material assisted fibre optic and prism based SPR sensor in a student-friendly manner. Includes the recent synthesis and characterization techniques of 2D materials. Provides computational results of recently discovered electronic and optical properties of the 2D materials along with their effectiveness in the field of plasmonic sensors. Presents emerging applications of novel 2D material-based plasmonic sensors in the field of chemical, bio-chemical and biosensing.

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## **ORGANOLANTHOID CHEMISTRY: SYNTHESIS, STRUCTURE, CATALYSIS**

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Springer

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## **HIGHWALL MINING**

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### **APPLICABILITY, DESIGN & SAFETY**

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CRC Press This comprehensive technical book on highwall mining covers theory and practice coupled with practical examples and design aspects. It contains eight extensive chapters elaborating broad-spectrum functionalities of highwall mining and its operational aspects, covering world scenario, economic potential, methods of coal extraction, design methodology including empirical web pillar design, numerical modelling for stress analysis, safety factor for web pillars, panel and barrier design, small-and large-scale numerical modelling, multiple seam interaction and design, coal web pillar strength, equivalent width concept, laboratory testing, new web pillar strength formula, effect of weak bands in coal seam, slope stability, safety and ground monitoring, hazards and regulatory requirements, case examples, norms and guidelines for practice. It also summarizes the results of research carried out by the CSIR Central Institute of Mining and Fuel Research (CSIR-CIMFR), India and the Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia on the subject. The book will equip readers in understanding the complex, multiple seam scenarios for highwall mining, and its design for maximum coal recovery from any given site with better economics, which will aid the mining companies in extracting locked-up coal following the safety norms to avoid hazards and minimise instability issues. A large number of case studies is included to illustrate the application of numerical modelling for prior estimation and viability of highwall mining operations under varying geomining

conditions. The book will be of interest to professionals and academics in the field of mining engineering specifically, but will also interest civil, geomechanical and geological engineers as well as rock mechanics professionals.

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## **UTTAM KUMAR**

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### **A LIFE IN CINEMA**

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Bloomsbury Publishing 'There is none like Uttam and there will be no one to ever replace him. He was and he is unparalleled in Bengali, even Indian cinema.'-Satyajit Ray, Oscar-winning Indian film-maker Actor and screen icon Uttam Kumar (1926-1980) is a talismanic figure in Bengali public life. Breaking away from established codes of onscreen performance, he came to anchor an entire industry and led the efforts to reimagine popular cinema in mid-20th-century Bengal. But there is pitifully less knowledge about Uttam Kumar in the learned circles-be it about his range of style and performance; the attractions and problems of his cinema; his roles as a producer and patriarch of the industry; or his persona, stardom and legacy. The first definitive cultural and critical biography of this larger-than-life figure engages meaningfully with his life and cinema, revealing the man, hero and actor from various, often competing, vantages. The conceptual aim is to locate a star figure within a larger historical and cultural context, and to enquire into how a towering image was mobilised for an ever-greater, wholesome, popular and even, at times, radical and progressive entertainment. A complimentary métier of this work is to explore why and how this star persona would go on to reconstitute the bhadrolok Bengali visual and cultural world in the post-Partition period. But above all, this is the story of a clerk who became an actor, an actor who became a star, a star who became an icon and an icon who became a legend.

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## **GEOSPATIAL INTELLIGENCE**

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### **CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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"This book explores multidisciplinary applications of geographic information systems and technologies in addition to the latest trends and developments in the field. It also examines land administration, encompassing both cadastral systems and land registration, as well as the methods of land governance strategies. Highlighting a range of topics such as geovisualization, spatial analysis, and landscape mapping"--

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## **TENTH BIENNIAL CONFERENCE ON ENTREPRENEURSHIP**

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### **CONFERENCE PAPERS**

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Conference papers presented at the Conference.