

Jmpd Application Forms For 2013 And 2014

This book includes selected papers from the 13th IEEE International Conference on Multisensor Integration and Fusion for Intelligent Systems (MFI 2017) held in Daegu, Korea, November 16–22, 2017. It covers various topics, including sensor/actuator networks, distributed and cloud architectures, bio-inspired systems and evolutionary approaches, methods of cognitive sensor fusion, Bayesian approaches, fuzzy systems and neural networks, biomedical applications, autonomous land, sea and air vehicles, localization, tracking, SLAM, 3D perception, manipulation with multifinger hands, robotics, micro/nano systems, information fusion and sensors, and multimodal integration in HCI and HRI. The book is intended for robotics scientists, data and information fusion scientists, researchers and professionals at universities, research institutes and laboratories.

The main objective of this book is to restate the important theories and evidence from economic analysis concerning intergovernmental fiscal issues. More importantly, the second objective of the book is to identify gaps in knowledge, empirical uncertainties, and missing theoretical structures and then to establish a preliminary agenda for new research on this topic. The book is organized in two

sections. The first covers the core body of intergovernmental fiscal relations, including optimal size for jurisdictions and assignment of public sector functions, the formulation and execution of tax policy in an intergovernmental setting, and the appropriate structure and use of intergovernmental transfers. In the second section, the core knowledge is applied to four major policy areas: education, welfare, fiscal interaction in urban areas, and economic development. In thinking about a new research agenda, the authors call for more current and authoritative estimates of fiscal incidence, including interjurisdictional spillovers, for more fundamental research about the federation process and effects of consolidation, for new evidence about the long run, general equilibrium effects of interjurisdictional competition, and for basic research about the choice process and establishment of intergovernmental fiscal institutions and policies by federal and subnational governments.

Intended for the use of sheriffs' departments, this manual presents methods of addressing implementation issues related to two crucial resource allocation topics: (1) the total number of police officers required to provide an acceptable level of traffic services, and (2) how a specified total number of officers should be allocated by geographic regions or time periods to produce the maximum agency productivity. The guidelines are intended for use as a reference document for

both first-time and experienced users of the accompanying procedure manual. The procedures rely on both historical data and user-supplied performance objectives. Individual sections provide an overview of the methodology used in determining staffing levels and allocations and explain general implementation strategies, issues related to data definition and collection, and the recommended data collection and implementation procedure. Appendixes list data and performance information required for each of the nine worksheets in the accompanying manual, a glossary of terms and notation used in the manual, a detailed example, and derivations of all the important formulas.

This book addresses issues related to managing data across a distributed database system. It is unique because it covers traditional database theory and current research, explaining the difficulties in providing a unified user interface and global data dictionary. The book gives implementers guidance on hiding discrepancies across systems and creating the illusion of a single repository for users. It also includes three sample frameworks—implemented using J2SE with JMS, J2EE, and Microsoft .Net—that readers can use to learn how to implement a distributed database management system. IT and development groups and computer sciences/software engineering graduates will find this guide invaluable. The embrace of socio-economic rights in South Africa has featured prominently

in scholarship on constitution making, legal jurisprudence and social mobilisation. But the development has attracted critics who claim that this turn to rights has not generated social transformation in practice. This book sets out to assess one part of the puzzle and asks what has been the role and impact of socio-economic strategies used by civil society actors. Focusing on a range of socio-economic rights and national trends in law and political economy, the book's authors show how socio-economic rights have influenced the development of civil society discourse and action. The evidence suggests that some strategies have achieved material and political impact but this is conditional on the nature of the claim, degree of mobilisation and alliance building, and underlying constraints.

A collection of essays reflecting on the 2010 World Cup by noted journalists, academics, and experts

Evolving Public Space in South Africa discusses the transformation of public space highlighted in the country. Drawing on examples from major cities, the author demonstrates that these spaces are not only becoming wasted space, but are also adapting and evolving to accommodate new users and uses in various parts of the city. This process of evolution tends to challenge the more traditional visions and general global views of declining public space in cities and argues that it rather resembles the resilience of these spaces and the potential for

regeneration through continuously emerging and mutating forms, functions and meanings. Including over 20 black-and-white images, this book would be beneficial to academics and students of urban planning and design and those interested in the regeneration of cities.

This handbook presents state-of-the-art research in reinforcement learning, focusing on its applications in the control and game theory of dynamic systems and future directions for related research and technology. The contributions gathered in this book deal with challenges faced when using learning and adaptation methods to solve academic and industrial problems, such as optimization in dynamic environments with single and multiple agents, convergence and performance analysis, and online implementation. They explore means by which these difficulties can be solved, and cover a wide range of related topics including: deep learning; artificial intelligence; applications of game theory; mixed modality learning; and multi-agent reinforcement learning.

Practicing engineers and scholars in the field of machine learning, game theory, and autonomous control will find the Handbook of Reinforcement Learning and Control to be thought-provoking, instructive and informative. .

A series of essays explaining the impact of the events at Marikana upon the South African perspective of police and the keeping of order. This fifth volume in

the New South African Review series takes as its starting point the shock wave emanating from the events at Marikana on 16 August 2012 and how it has reverberated throughout politics and society. Some of the chapters in the volume refer directly to Marikana. In others, the influence of that fateful day is pervasive if not direct. Marikana has, for instance, made us look differently at the police and at how order is imposed on society. Monique Marks and David Bruce write that the massacre 'has come to hold a central place in the analysis of policing, and broader political events since 2012...'. The chapters highlight a range of current concerns - political, economic and social. David Dickinson's chapter looks at the life of the poor in a township from within. In contrast, the chapter on foreign policy by Garth le Pere analyses South Africa's approach to international relations in the Mandela, Mbeki and Zuma eras. Anthony Turton's account, 'When gold mining ends' is a chilling forecast of an impending environmental catastrophe. Both Devan Pillay and Noor Nieftagodien focus attention on the left and, in different ways, ascribe its rise to a new politics in the wake of Marikana. The essays in NSAR 5: Beyond Marikana present a range of topics and perspectives of interest to general readers, but the book will also be a useful work of reference for students and researchers.

As the dynamo of South Africa's economy, Johannesburg commands a central

position in the nation's imagination, and scholars throughout the world monitor the city as an exemplar of urbanity in the global South. This richly illustrated study offers detailed empirical analyses of changes in the city's physical space, as well as a host of chapters on the character of specific neighbourhoods and the social identities being forged within them. Informing all of these is a consideration of underlying economic, social and political processes shaping the wider Gauteng region. A mix of respected academics, practising urban planners and experienced policymakers offer compelling overviews of the rapid and complex spatial developments that have taken place in Johannesburg since the end of apartheid, along with tantalising glimpses into life on the streets and behind the high walls of this diverse city. The book has three sections. Section A provides an overview of macro spatial trends and the policies that have influenced them. Section B explores the shaping of the city at district and suburban level, revealing the peculiarity of processes in different areas. This analysis elucidates the larger trends, while identifying shifts that are not easily detected at the macro level. Section C is an assembly of chapters and short vignettes that focus on the interweaving of place and identity at a micro level. With empirical data supported by new data sets including the 2011 Census, the city's Development Planning and Urban Management Department's information system, and Gauteng City-

Region Observatory's substantial archive, the book is an essential reference for planning practitioners, urban geographers, sociologists, and social anthropologists, among others.

This book presents an overview of the challenges that cities in Latin America and Asia are facing regarding the preservation of their tangible and intangible heritage. It argues that urban heritage has a value that transcends the mere object's value, constituting a crucial source of identity for urban inhabitants. The same is true for the urban intangible values and practices that are often associated with places or buildings. The empirical research is based on case studies of Kathmandu in Nepal, Yogyakarta in Indonesia and Recife in Brazil; three cities that still comprise core areas with a high percentage of historic fabric and distinctive cultural expressions. The comparative study of the three areas reveals the similarities and differences of urban conservation policies, past and present upgrading strategies in the core areas, and the importance of tangible and intangible heritage. All three cities demonstrate that urban heritage, habits and beliefs are still of importance to the population. While there are significant differences in the kind and level of protection the respective legal system provides, partly uncontrolled urban dynamics pose a threat to all of them. The text is based on a PhD thesis submitted to the Institute of Geography, University

of Innsbruck, Austria.

Human Cities: Celebrating Public Space combines theoretical, practical and artistic approaches related to public space. The first part - Public for place - concentrates on networks and actions people are involved in when creating social environments in c

Introduction to Policing, Third Edition continues to focus on the thought-provoking, contemporary issues that underscore the challenging and rewarding world of policing. Steven M. Cox, Susan Marchionna, and experienced law enforcement officer Brian D. Fitch balance theory, research, and practice to give students a comprehensive, yet concise, overview of both the foundations of policing and the expanded role of today's police officers. The accessible and engaging writing style, combined with stories from the field, make policing concepts and practices easy for students to understand and analyze. Unique coverage of policing in multicultural communities, the impact of technology on policing, and extensive coverage of policing strategies and procedures — such as those that detail the use of force — make this bestselling book a must-have for policing courses.

This text focuses on guiding employers, managers, labour relations practitioners, trade unions and students alike in understanding and applying the provisions of

South Africa's latest employment equity legislation - the Employment Equity Act 55 of 1998.

In August 2016, well-known South African businessman Herman Mashaba became mayor of Johannesburg, heading a razor-thin DA-led coalition in the city. Three years later, in October 2019, he resigned from the party and from his position as mayor. At the time, Mashaba's approval rating stood at almost 70 per cent and there were calls in overwhelming numbers for him to stay. In this explosive tell-all, his chief of staff, Michael Beaumont, reveals the real story behind these events. *The Accidental Mayor* considers the achievements, challenges and controversies of Mashaba's time in office, and describes what went on behind the scenes in the city and in the multiparty coalition. What was discovered about the previous government's looting of Johannesburg? How did the ANC take to being in opposition? How challenging was it to work with the EFF? Which party proved the most difficult coalition partner? All these questions and more are explored in detail. At a time when the DA's popularity is in decline, *The Accidental Mayor* highlights the infighting and factionalism within the party and questions whether South Africa's official opposition has reached the end of the road. Can Herman Mashaba, arguably one of South Africa's most popular former mayors, offer an alternative for the future?

This proceedings volume includes articles presented during the Advanced Research Workshop on Soft Target Protection. The book presents important topics related to the protection of vulnerable objects and spaces, called Soft Targets. The chapters published in this book are thematically assigned to the blocks as follows: Theoretical aspect of soft target protection; Blast resistance of soft targets; Counter terrorism; Technical and technological solutions for soft target protection; Scheme and organizational measures; Blast protection and Forces for soft target protection. In this book, the reader will find a wealth of information about the theoretical background for designing protection of soft targets, as well as the specifics of protecting objects in armed conflict areas. New methods and procedures applicable to the soft target protection are described. This edited volume addresses the accomplishments, prospects and challenges of regional integration processes on the African continent. Since regional integration is a process that ebbs and flows according to a wide range of variables such as changing political and economic conditions, implications and factors derived from the vagaries of migration and climate change, it is crucial to be cognizant with how these variables impact regional integration initiatives. The contributors discuss the debates on Pan-Africanism and linking it with ongoing discourses and policies on regional integration in Africa. Other aspects of the book contain some

of the most important topic issues such as migration, border management and the sustainable development goals. This content offers readers fresh and innovative perspectives on various aspects of sustainable development and regional growth in Africa.

Part of the authoritative four-volume reference that spans the entire field of child development and has set the standard against which all other scholarly references are compared. Updated and revised to reflect the new developments in the field, the Handbook of Child Psychology, Sixth Edition contains new chapters on such topics as spirituality, social understanding, and non-verbal communication. Volume 3: Social, Emotional, and Personality Development, edited by Nancy Eisenberg, Arizona State University, covers mechanisms of socialization and personality development, including parent/child relationships, peer relationships, emotional development, gender role acquisition, pro-social and anti-social development, motivation, achievement, social cognition, and moral reasoning, plus a new chapter on adolescent development.

This intensely researched book describes a wide variety of the world's special and elite forces, giving details of their organization, training, weapons and equipment, and many of their more public operations. Hundreds of dramatic photographs, many never before published in a book, complement full colour

cutaway drawings of weapons, plus maps, tables and approximately 100,000 words of highly readable text and fascinating technical data.

Increased demand for and developments in micromanufacturing have created a need for a resource that covers both the science and technology of this rapidly growing area. With contributions from eminent professors and researchers actively engaged in teaching, research, and development, *Micromanufacturing Processes* details the basic principles, tools,

This book constitutes the thoroughly refereed post-conference proceedings of the Third International Conference on Industrial Networks and Intelligent Systems, INISCOM 2017, held in Ho chi Minh City, Vietnam, in September 2017. The 31 revised full papers carefully reviewed and selected from 45 submissions. The papers cover topics on telecommunications systems and networks, intelligent systems, industrial networks, and applications, computer science, security and privacy, hardware and software design.

Diversities Old and New provides comparative analyses of new urban patterns that arise under conditions of rapid, migration-driven diversification, including transformations of social categories, social relations and public spaces. Ethnographic findings in neighbourhoods of New York, Singapore and Johannesburg are presented. *The National Police Selection Test (POST) Passbook(R)* prepares you for your test by

allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: police knowledge, background, skills, and judgment in and for law enforcement situations; understanding and interpreting written material; report writing; arithmetical reasoning; and more.

This report provides a rich view of the activities of migrant entrepreneurs in the informal economy of Johannesburg. It is hoped that the information will facilitate understanding of the informal sector and its potential, and not just in the context of migrant entrepreneurs. The informal economy plays a significant role in the entrepreneurial landscape of the City of Johannesburg and is patronized by most of the city's residents. The research presented here challenges commonly held opinions about migrant entrepreneurs in the City of Johannesburg and shows that they do not dominate the informal economy, which remains largely in the hands of South Africans. In late 2013, the City, through Operation Clean Sweep, removed up to 8,000 traders from the city's streets. As this and recent xenophobic attacks demonstrate, Johannesburg can be a hostile place in which to operate a business as an informal economy migrant entrepreneur. Instead of trying to sweep the streets clean of these small businesses, government at national, provincial and city levels should develop policies to grow the SMME economy, develop township economies, and manage the informal economy and street trading. They need to incorporate the businesses owned

by migrant entrepreneurs, rather than exclude and demonize them. These businesses make an invaluable contribution to Johannesburg's economy despite operating in a non-enabling political and policy environment.

This book contests the negative portrayal of African immigrants as people who are not valuable members of South African society. They are often perceived as a threat to South Africa and its patrimony, accused of committing crime, taking jobs and competing for resources with South African citizens. Unique in its deployment of a deconstructionist theoretical and analytical framework, this work argues that this is a simplistic portrayal of a complex reality. Inocent Moyo lays bare, not only the failings of an exclusivist narrative of belonging, but also a complex social reality around migration and immigration politics, belonging and exclusion in contemporary South Africa. Over seven chapters he introduces new perspectives on the negative portrayal of African immigrants and argues that to sustain a negative view of them as the 'threatening other' ignores complex people-place-space dynamics. For these reasons, the analytical, empirical and theoretical value of the project is that it broadens the study of migration related contexts in a South African setting. Academics, students, policy makers and activists focusing on the migration and immigration debate will find this book invaluable.

Instruction tailored to the individual student, learning and teaching outside the limits of time and space—ideas that were once considered science fiction are now educational

reality, with the prospect of an intelligent Web 3.0 not far distant. Alongside these innovations exists an emerging set of critical-thinking challenges, as Internet users create content and learners (and teachers) take increased responsibility in their work. Learning and Instruction in the Digital Age nimbly balances the technological and pedagogical aspects of these rapid changes, gathering papers from noted researchers on a wealth of topics relating to cognitive approaches to learning and teaching, mental models, online learning, communications, and innovative educational technologies, among them: Cognition and student-centered, Web-based learning, The progression of mental models throughout a course of instruction, Experiencing education with 3D virtual worlds, Expanding educational boundaries through multi-school collaboration, Adapting e-learning to different learning styles, The student blog as reflective diary. With its blend of timely ideas and forward thinking, Learning and Instruction in the Digital Age will enrich the work of researchers in educational psychology, educational technology, and cognitive science.

This book explores recent developments in South African Pentecostalism, focusing on new prophetic churches. The chapters engage with a number of paradigm shifts in Christology, identified as complementing Christ, competing with Christ, removing Christ and replacing Christ. What are the implications of these shifts? Does it mean that believers no longer believe in Christ but in their leaders? Does it shift believers' faith towards materiality than the person of Christ? This volume will be valuable for scholars

of African Christianity and in particular those interested in the neo-prophetic movement and Christology in a South African context.

This book powerfully demonstrates that some of the most resourceful entrepreneurs in the South African informal economy are migrants and refugees. Yet far from being lauded, they take their life into their hands when they trade on South Africa's "mean streets". The book draws attention to what they bring to their adopted country through research into previously unexamined areas of migrant entrepreneurship. Ranging from studies of how migrants have created agglomeration economies in Jeppe and Ivory Park in Johannesburg, to guanxi networks of Chinese entrepreneurs, to competition and cooperation among Somali shop owners, to cross-border informal traders, to the informal transport operators between South Africa and Zimbabwe, the chapters in this book reveal the positive economic contributions of migrants. these include generating employment, paying rents, providing cheaper goods to poor consumers, and supporting formal sector wholesalers and retailers. As well, Mean Streets highlights the xenophobic responses to migrant and refugee entrepreneurs and the challenges they face in running a successful business on the streets.

Policing in South Africa has gained notoriety through its extensive history of oppressive law enforcement. In 1994, as the country's apartheid system was replaced with a democratic order, the new government faced the significant challenge of transforming the South African police force into a democratic police

agency—the South African Police Service (SAPS)—that would provide unbiased policing to all the country’s people. More than two decades since the initiation of the reforms, it appears that the SAPS has rapidly developed a reputation as a police agency beset by challenges to its integrity. This book offers a unique perspective by providing in-depth analyses of police integrity in South Africa. It is a case study that systematically and empirically explores the contours of police integrity in a young democracy. Using the organizational theory of police integrity, the book analyzes the complex set of historical, legal, political, social, and economic circumstances shaping police integrity. A discussion of the theoretical framework is accompanied by the results of a nationwide survey of nearly 900 SAPS officers, probing their familiarity with official rules, their expectations of discipline within the SAPS, and their willingness to report misconduct. The book also examines the influence of the respondents’ race, gender, and supervisory status on police integrity. Written in a clear and direct style, this book will appeal to students and scholars of criminology, policing, sociology, political science, as well as to police administrators interested in expanding their knowledge about police integrity and enhancing it in their organizations.

This book presents relevant and timely endogenous procedures for addressing the challenge of transforming ideas into sustainable opportunities in Africa. It

explores how Africa could be understood in the context of emerging global realities, providing alternative frameworks that will not just be participatory in conception and practice, but equally show a contextual workability for the varying aspects of the developmental enterprise in Africa. Despite having alternative and less cumbersome sources of funding, with commendable economic growth indices, and several economies among the fastest growing globally, African countries have been unable to transmute related opportunities into sustainable human development outcomes for majority of its citizenry. Over four rich sections the authors cover subjects ranging from environment and natural resource management, to governance, economy and sustainable development. The book continues with a section on Education and Human Development and a case study in transnationalism. The final section discusses crime, conflict and regional dynamics, including highly disputed topics such as forced migration and sex trade. This indispensable resource will be of great use to students and researches globally in fields such as sociology, anthropology, environmental studies, politics and economics with a focus on contemporary Africa, as well as to policy planners and human rights activists invested in the future development of Africa.

The highly-respected book of reference of sought-after Independent Schools in

membership of the Independent Schools Council's Associations: HMC, GSA, The Society of Heads, IAPS, ISA and COBIS.

Community meetings seldom lead to significant change in urban policies, and have been accused of being sterile, sedative, or manipulative. This book starts from a simple question: why do people then continue to participate in these meetings, sometimes massively, and on a regular basis? Authors from a variety of disciplines explore the multiple roles of these 'invited' spaces of participation. From consolidation of individual social status and networks, to the construction and framing of the local 'community', the display of political or group loyalties and maintenance of clientelist exchange, access to information, rumors or gossip but also forms of education on who and what is the state, invited spaces of participation are also, crucially, places of emergence of collective awareness, through shared expressions of frustration, that can lead to political mobilization and other, less institutionalized forms of participation. This book, unpacking community politics and rethinking the complex articulations between 'invited' and 'invented' spaces of participation, is of relevance for international and national audiences interested in urban governance and local democracy.

Based on migration dynamics in the Southern African Development Community (SADC) region, this edited volume focuses on the activities of grassroots and

informal non-state actors. The authors explore cross-border economic activities, migration governance issues, the regional integration project of the SADC, and implications for sustainable development in Africa. Examining the apparent success of immigrant entrepreneurs operating in cities of economically depressed countries such as Zimbabwe, it also discusses the role of local authorities in managing migration to achieve development. Thus, the book is centred on human mobility, the building of cohesive communities between immigrants and indigenous people, the informal economic activities of cross-border traders and undocumented migrants, and regional integration, providing a multidisciplinary and rich source of knowledge for scholars interested in African politics, labour, migration and economy.

This book covers control theory signal processing and relevant applications in a unified manner. It introduces the area, takes stock of advances, and describes open problems and challenges in order to advance the field. The editors and contributors to this book are pioneers in the area of active sensing and sensor management, and represent the diverse communities that are targeted.

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