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2008-2009 The

Culture of Japanese
Fascism Dancing
with Giants
Satoyama--satoumi
Ecosystems and
Human Well-being
Surface-Enhanced
Raman Scattering
Appealing Because
He Is Appalling
Indoor Environment
The Constitution of
the Empire of
Japan, 1889 History
of U.S. Aviation
Disasters The Myth
of Junk DNA
Pathology and
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Human Viral
Disease Miss
Bennet: Christmas
at Pemberley
Daikatana Adipose
Tissue Protocols

Brain Edema XV
Dotter of Her
Father's Eyes
Drosophila
Oogenesis Andy &
Sofia Managing
Socio-ecological
Production
Landscapes and
Seascapes for
Sustainable
Communities in
Asia Beauty Up
Rethinking
Engineering
Education Basic
and Applied
Aspects Hormone
Replacement:
Therapy and Breast
Cancer Risk
Cognitive
Stimulation
Therapy for
Dementia

Fukushima Daiichi
Computers in
Chemistry
Minimally Invasive
Urological
Procedures and
Related
Technological
Developments Aged
by Culture

More than 60
papers written by
internationally
recognized experts
cover the broad
spectrum of brain
edema. The main
topics treated are:
ischemia &
hemorrhage,
trauma
(experimental and
clinical), cerebral
hemorrhage, tumor,
hydrocephalus &
intracranial
pressure (ICP),
neuromonitoring &
neuroimaging,
treatments, blood
brain barrier, and
miscellaneous.
Surface-Enhanced

Raman
Spectroscopy:
Principles,
Experiments, and
Applications is a
comprehensive, up
to date, and
balanced treatment
of the theoretical
and practical
aspects of Surface-
Enhanced Raman
Scattering (SERS),
a useful branch of
spectroscopy for
several areas of
science. This book
describes the basic
principles of SERS,
including SERS
mechanisms,
performing SERS
measurements, and
interpreting data.
Also emphasized
are applications in
electrochemistry;
catalysis; surface
processing and
corrosion; Self-
Assemble-Layer and
L-B Films; polymer
science; biology;
medicine and drug

analysis; sensors;
fuel cells; forensics;
and archaeology. It
is an essential
guide for student
and professional
analytical chemists.
New edition with
bonus material by
Dave McKean! Dark
Horse proudly
presents a new,
second edition, of
the graphic novel
by legendary artist
Dave McKean,
based on the life of
Paul Nash, a
surrealist painter
during World War
1. The Dreams of
Paul Nash deals
with real soldier's
memoirs and all the
stories add up to a
moving piece about
how war and
extreme situations
change us, how we
deal with that pain,
and, in Nash's case,
how he responded
by turning his
landscapes into

powerful and fantastical psychoscapes. The second edition of Black Dog: The Dreams of Paul Nash features a new cover by Dave McKean, along with 15 pages of new bonus material examining the creation of the book. Pathology and Pathogenesis of Human Viral Disease is a comprehensive reference that examines virus-induced clinical disease of humans in the context of the responsible virus and its epidemiology. Encompassing everything from cold and flu viruses to sexually transmitted diseases, this important resource describes the

cellular and tissue pathological changes attributable to infection in the context of the pathogenic mechanisms involved. The author provides a comprehensive review of the older and contemporary literature, considering both the common and much rarer complications of infection. Pathology and Pathogenesis of Human Viral Disease is written from the unique perspective of the clinical pathologist. It will help clinicians and pathologists gain a better understanding of changes that occur in viral infected cells, tissues, and organs. It will also

serve as a pathology source book for virologists, internists, and pediatricians. Key Features * Provides a comprehensive, worldwide perspective of viral disease pathology * Bridges the fields of pathology and virology; integrating clinical disease with cell and tissue pathology * Addresses topics from the perspective of the clinical pathologist * Illustrates unique, viral induced pathological lesions * Considers common and uncommon complications of infection This collection invites us to think about how African-descended men are seen as both appealing and

appalling, and exposed to eroticized hatred and violence and how some resist, accommodate, and capitalize on their eroticization. Drawing on James Baldwin and Frantz Fanon, the contributors examine the contradictions, paradoxes, and politico-psychosexual implications of Black men as objects of sexual desire, fear, and loathing. Kitossa and the contributing authors use Baldwin's and Fanon's cultural and psychoanalytic interpretations of Black masculinities to demonstrate their neglected contributions to thinking about and

beyond colonialist and Western gender and masculinity studies. This innovative and sophisticated work will be of interest to scholars and students of cultural and media studies, gender and masculinities studies, sociology, political science, history, and critical race and racialization. Contributors: Katerina Deliovsky, Delroy Hall, Dennis O. Howard, Elishma Khokhar, Tamari Kitossa, Kemar McIntosh, Leroy F. Moore Jr., Watufani M. Poe, Satwinder Rehal, John G. Russell, Mohan Siddi This book covers a topic of considerable current interest and presents many of the most significant

research findings available to date. Workers at the forefront of research on hormone replacement therapy and the implications for the risk of breast cancer were invited to attend a special Conference at the Royal Society of Medicine in London in September, 1991, where the latest data were presented to a distinguished audience and the implications of this research were discussed. The volume reviews various aspects of HRT and breast cancer, the physiology of the menopause, the current use of HRT in practice, osteoporosis and epidemiology and

presents results from a range of European, American and Australian studies on the role of breast cancer and HRT, finishing with an overview of benefits, use and cost-effectiveness and a general summary. The book represents a definitive statement of current knowledge in this field and an informative update on the implications of recent research. It will be a valuable addition of special significance to the libraries of all those concerned with hormone replacement therapy and the study of breast cancer. Americans enjoy longer lives and better health, yet we are

becoming increasingly obsessed with trying to stay young. What drives the fear of turning 30, the boom in anti-aging products, the wars between generations? What men and women of all ages have in common is that we are being insidiously aged by the culture in which we live. In this illuminating book, Margaret Morganroth Gullette reveals that aging doesn't start in our chromosomes, but in midlife downsizing, the erosion of workplace seniority, threats to Social Security, or media portrayals of "aging Xers" and "greedy" Baby Boomers. To

combat the forces aging us prematurely, Gullette invites us to change our attitudes, our life storytelling, and our society. Part intimate autobiography, part startling cultural expose, this book does for age what gender and race studies have done for their categories. Aged by Culture is an impassioned manifesto against the pernicious ideologies that steal hope from every stage of our lives. This book describes an approach to engineering education that integrates a comprehensive set of personal, interpersonal, and professional engineering skills with engineering

disciplinary knowledge in order to prepare innovative and entrepreneurial engineers. The education of engineers is set in the context of engineering practice, that is, Conceiving, Designing, Implementing, and Operating (CDIO) through the entire lifecycle of engineering processes, products, and systems. The book is both a description of the development and implementation of the CDIO model and a guide to engineering programs worldwide that seek to improve the education of young engineers. An introduction to

Japan's burgeoning beauty culture, which investigates a range of phenomenon - aesthetic salons, dieting products, male beauty activities, and beauty language - to find out why Japanese women and men are paying so much attention to their bodies. It aims to challenge various assumptions about the naturalness of beauty standards. Cognitive Stimulation Therapy (CST) has made a huge global, clinical impact since its inception, and this landmark book is the first to draw all the published research together in one place. Edited by experts in the intervention,

including members of the workgroup who initially developed the therapy, Cognitive Stimulation Therapy for Dementia features contributions from authors across the globe, providing a broad overview of the entire research programme. The book demonstrates how CST can significantly improve cognition and quality of life for people with dementia, and offers insight on the theory and mechanisms of change, as well as discussion of the practical implementation of CST in a range of clinical settings. Drawing from several research studies, the book also includes a

section on culturally adapting and translating CST, with case studies from countries such as Japan, New Zealand and Sub-Saharan Africa. Cognitive Stimulation Therapy for Dementia will be essential reading for academics, researchers and postgraduate students involved in the study of dementia, gerontology and cognitive rehabilitation. It will also be of interest to health professionals, including psychologists, psychiatrists, occupational therapists, nurses and social workers. This summary of the Intergovernmental

Panel on Climate Change represents the formally agreed statement concerning climate change mitigation. It focuses on new literature on the scientific, technological, environmental, economic & social aspects of mitigation of climate change, pub. since the 3rd Assessment Report & the Special Reports on CO2 Capture & Storage & on Safeguarding the Ozone Layer & the Global Climate System. Contents: Greenhouse gas emission trends; Mitigation in the short & medium term across different economic sectors (until 2030); Mitigation in the long-term & beyond 2030; Policies,

measures & instruments to mitigate climate change; Sustainable develop. & climate change mitigation; & Gaps in knowledge. Illus. Part personal history, part biography, Dotter of Her Father's Eyes contrasts two comingofage narratives: that of Lucia, the daughter of James Joyce, and that of author Mary Talbot, daughter of the eminent Joycean scholar James S. Atherton. Social expectations and gender politics, thwarted ambitions and personal tragedy are played out against two contrasting historical backgrounds, poignantly evoked by the atmospheric visual storytelling

of awardwinning graphicnovel pioneer Bryan Talbot. Produced through an intense collaboration seldom seen between writers and artists, Dotter of Her Father's Eyes is smart, funny, and sadan essential addition to the evolving genre of graphic memoir. * Bryan Talbot is recognized worldwide as one of the true original voices in graphic fiction. * Bryan Talbot's Grandville Mon Amour was nominated for a 2011 Hugo Award. DigiCat Publishing presents to you this special edition of "The Constitution of the Empire of Japan, 1889" by Japan. DigiCat Publishing considers every

written word to be a legacy of humankind. Every DigiCat book has been carefully reproduced for republishing in a new modern format. The books are available in print, as well as ebooks. DigiCat hopes you will treat this work with the acknowledgment and passion it deserves as a classic of world literature. Animal cell technology is a growing discipline of cell biology which aims not only to understand the structure, function and behavior of differentiated animal cells, but also to ascertain their ability to be used for industrial and medical purposes. Some of the major goals of

animal cell technology include: the clonal expansion of differentiated cells, the optimization of their culture conditions, modulation of their ability for the production of medically and pharmaceutically important proteins and the application of animal cells to gene therapy, artificial organs and functional foods. This volume gives the readers a complete review of the present state-of-the-art research in Japan and other countries where this field is well advanced. The Proceedings will be useful to cell biologists, biochemists, molecular biologists,

immunologists, biochemical engineers and to those working in either academic environments or in the biotechnology and pharmacy industries related to animal cell culture. The Asia-Pacific region is experiencing especially rapid development and population increase, and issues of global change and sustainable development are likely to be of particular importance in the coming decades. This book presents chapters by leading international experts on the major issues relating to global change and sustainable development from the perspectives of

Asia and the Pacific. It also highlights the challenges and opportunities of sustainable development and poverty reduction within the changing ecological, social, cultural and economic environment in this region. The volume is an invaluable reference for all researchers and policy makers with an interest in global change and sustainable development in Asia and the Pacific. History of forewarned and preventable aviation disasters that were caused or allowed to occur by politics, incompetence, and hard corruption. Authored by former federal airline

safety inspector-investigator, airline captain, and Navy patrol plane commander. Further information at www.defraudingamerica.com. "Satoyama" is a Japanese term describing mosaic landscapes of different ecosystems--secondary forests, farm lands, irrigation ponds and grasslands--along with human settlements managed to produce bundles of ecosystem services for human wellbeing. The concept of "satoyama," longstanding traditions associated with land management practices that allow sustainable use of

natural resources, has been extended to cover marine and coastal ecosystems ("satoumi"). These landscapes and seascapes have been rapidly changing, and the ecosystem services they provide are under threat from various social, economic, political, and technological factors. "Satoyama-Satoumi Ecosystems and Human Well-Being" presents the findings of the Japan Satoyama Satoumi Assessment (JSSA), a study of the interaction between humans and ecosystems in Japan. It was written by the 200-plus authors, stakeholders, and reviewers from Japan and

elsewhere who make up the JSSA team. The study analyzes changes that have occurred in "satoyama-satoumi" ecosystems over the last 50 years and identifies plausible future scenarios for the year 2050, taking into account various drivers such as governmental and economic policy, climate change, technology, and sociobehavioral responses. This provides a new approach to land-use planning that addresses not only economic development but also cultural values and ecological integrity. This book is a key reference text for development planners, policymakers,

scientists, postgraduate students, and others interested in the environment and development. A sequel to Jane Austen's *Pride and Prejudice* set two years after the novel ends, *MISS BENNET CONTINUES* the story, only this time with bookish middle-sister Mary as its unlikely heroine. Mary is growing tired of her role as dutiful middle sister in the face of her siblings' romantic escapades. When the family gathers for Christmas at Pemberley, an unexpected guest sparks Mary's hopes for independence, an intellectual match, and possibly even love. This volume provides current

up-to-date protocols for preparing the ovary for various imaging techniques, genetic protocols for generating mutant clones, mosaic analysis and assessing cell death. Chapters address methods for performing genome wide gene expression analysis and bioinformatics for studies of RNA-protein interactions. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting

and avoiding known pitfalls. Authoritative and cutting-edge, *Drosophila Oogenesis: Methods and Protocols* aims to ensure successful results in the further study of this vital field. Author Kip Ward shows how to master this time-hopping action game centered on a samurai sword that permits travel from a medieval world to the distant future. *Daikatana* combines traditional 3D shooter action with role playing game elements, making a strategy guide almost essential to the consumer. In an incubated petri dish in a Boston laboratory, a cluster of eight living cells holds the key to a daring

new era of medical science. These cells come from a human embryo, containing genetic material from my wife, Paulina, and me, obtained through in vitro fertilization (IVF). Research using these cells holds enormous potential to cure a fatal disease, saving the lives of countless children and relieving their families of unspeakable pain. We lived that pain ourselves. When our son was born we didn't know what a tortuous road stretched ahead of us- how our baby would suffer, and how we'd suffer with him. We didn't know he'd spend nearly 1,000 days in seven different hospitals, see more than 300 doctors

and swerve close to death many times. We didn't know we'd have to take matters into our own hands to find the medical miracle that would save him. Nine years ago, Paulina and I embarked on a desperate quest. We needed to create a baby with the right genetic profile, whose umbilical cord blood could save our 2-year-old son, Andy, dying from a rare genetic disease. The baby would also have to be free of the inherited disease killing our son. After three years and five IVF cycles, and with the critical intervention of a novel medical technology called genetic diagnosis

(PGD), our daughter, Sofia, was born. Her cord blood stem cells, transplanted into her brother via blood transfusion, replaced his faulty immune system and saved his life. Today we are blessed that Andy, 11, and Sofia, 6, are both healthy, beautiful children. In gratitude, Paulina and I donated the remaining frozen IVF embryos—the ones that could never be used because they carried the flawed gene causing the disease—to the Stem Cell Research Program at Children's Hospital Boston, where Andy's disease was diagnosed and cured. Scientists there were able to

develop two new stem cell lines whose unique genetic properties will help researchers learn how Andy's disease, and many others, develop. From that knowledge will come treatments and cures. My wife and I know our story and its difficult moral choices is highly controversial. We've chosen to share it to give the issue a human face and voice—and to give hope to other families facing similar dilemmas. This bold collection of essays demonstrates the necessity of understanding fascism in cultural terms rather than only or even primarily in terms of political

structures and events. Contributors from history, literature, film, art history, and anthropology describe a culture of fascism in Japan in the decades preceding the end of the Asia-Pacific War. In so doing, they challenge past scholarship, which has generally rejected descriptions of pre-1945 Japan as fascist. The contributors explain how a fascist ideology was diffused throughout Japanese culture via literature, popular culture, film, design, and everyday discourse. Alan Tansman's introduction places the essays in historical context and situates them in relation to

previous scholarly inquiries into the existence of fascism in Japan. Several contributors examine how fascism was understood in the 1930s by, for example, influential theorists, an antifascist literary group, and leading intellectuals responding to capitalist modernization. Others explore the idea that fascism's solution to alienation and exploitation lay in efforts to beautify work, the workplace, and everyday life. Still others analyze the realization of and limits to fascist aesthetics in film, memorial design, architecture, animal imagery, a military museum,

and a national exposition. Contributors also assess both manifestations of and resistance to fascist ideology in the work of renowned authors including the Nobel-prize-winning novelist and short-story writer Kawabata Yasunari and the mystery writers Edogawa Ranpo and Hamao Shirō. In the work of these final two, the tropes of sexual perversity and paranoia open a new perspective on fascist culture. This volume makes Japanese fascism available as a critical point of comparison for scholars of fascism worldwide. The concluding essay models such work by comparing

Spanish and Japanese fascisms. Contributors. Noriko Aso, Michael Baskett, Kim Brandt, Nina Cornyetz, Kevin M. Doak, James Dorsey, Aaron Gerow, Harry Harootunian, Marilyn Ivy, Angus Lockyer, Jim Reichert, Jonathan Reynolds, Ellen Schattschneider, Aaron Skabelund, Akiko Takenaka, Alan Tansman, Richard Torrance, Keith Vincent, Alejandro Yarza

Covering the fundamentals of air-borne particles and settled dust in the indoor environment, this handy reference investigates: * relevant definitions and terminology, * characteristics, * sources, * sampling

techniques and instrumentation, * exposure assessment, * monitoring methods. The result is a useful and comprehensive overview for chemists, physicists and biologists, postgraduate students, medical practitioners, occupational health professionals, building owners and managers, building, construction and air-conditioning engineers, architects, environmental lawyers, government and regulatory professionals. This book is a comprehensive guide for all tissue bank operators to screen, procure and process amniotic

membrane for clinical application. The amnion comes close to being the ideal biological membrane or dressing — readily available, inexpensive to procure and process. Its basic science is discussed in detail — anatomy, biological and biomechanical properties. It can be procured from the placenta in normal vaginal deliveries and from Caesarean Sections. Processing is by freeze-drying or by air-drying process with sterilisation using gamma irradiation. The product has low antigenicity, has anti-microbial properties with ability to enhance epithelisation with

marked relief of pain. It is useful as a dressing for wounds — flap wounds, burn wounds, injury wounds, diabetic ulcers, leprosy ulcers and post-surgery wounds and post-radiation wounds. It is also used as a biological scaffold for cells in tissue engineering. Its ophthalmic applications include treatment of corneal ulcers and conjunctival tumours. Oral uses include gingiva depigmentation and periodontal regeneration. This open access book presents up-to-date analyses of community-based approaches to sustainable resource management of SEPLS (socio-

ecological production landscapes and seascapes) in areas where a harmonious relationship between the natural environment and the people who inhabit it is essential to ensure community and environmental well-being as well as to build resilience in the ecosystems that support this well-being. Understanding SEPLS and the forces of change that can weaken their resilience requires the integration of knowledge across a wide range of academic disciplines as well as from indigenous knowledge and experience. Moreover, given the

wide variation in the socio-ecological makeup of SEPLS around the globe, as well as in their political and economic contexts, individual communities will be at the forefront of developing the measures appropriate for their unique circumstances. This in turn requires robust communication systems and broad participatory approaches. Sustainability science (SuS) research is highly integrated, participatory and solutions driven, and as such is well suited to the study of SEPLS. Through case studies, literature reviews and SuS analyses, the book explores

various approaches to stakeholder participation, policy development and appropriate action for the future of SEPLS. It provides communities, researchers and decision-makers at various levels with new tools and strategies for exploring scenarios and creating future visions for sustainable societies. THE STORY: The background of the play is New York in the 1850s and the basic story tells of a shy and plain young girl, Catherine Sloper, who falls desperately in love with a delightful young fortune hunter. Catherine's lack of worldliness prevents Japan and China are thrown close to the brink of

war when a Japanese warship is attacked. Meanwhile top Covert-One operative Jon Smith is sent to recover mysterious material from the wrecked Fukushima nuclear reactor. Smith vanishes, and CIA agent Randi Russell goes on an unsanctioned mission to find him. She discovers that the missing samples may be evidence that Japan, led by Chief of Staff Masao Takahashi, has been developing next-generation weapons systems in preparation for a conflict with China. The Covert-One team must prevent Takahashi from sparking a war, or the world will be dragged into a

battle certain to kill tens of millions of people and leave much of the planet uninhabitable. This book analyses the technical and social systems that satisfy these needs and asks how methods can be put into practice to achieve this. The landscape of minimally invasive urological intervention is changing. A lot of new innovations and technological developments have happened over the last 3 decades. Laparoscopy and robotic surgery have revolutionised kidney and prostate cancer treatment, with more minimally invasive procedures now being carried out than ever before. At the same time, technological

advancements and the use of laser have changed the face of endourology. Several new innovative treatments are now commonplace for benign prostate enlargement (BPE). Management of prostate cancer now involves procedures such as robotic prostatectomy, brachytherapy, radiotherapy, cryotherapy and HIFU. Robotic partial nephrectomy and cryotherapy have changed the face of renal cancer. En-bloc resection of bladder cancer is challenging the traditional management of non-muscle invasive bladder cancer and becoming

commonplace, while robotic cystectomy is also gaining popularity for muscle invasive bladder cancer. Newer surgical intervention related to BPE includes laser (holmium, thulium and green light), water-based treatment (Rezum, Aquablation) and other minimally invasive procedures such as prostate artery embolisation (PAE) and Urolift. Endourological procedures have incorporated newer laser types and settings such as moses technology, disposable ureteroscopes (URS) and minimisation of percutaneous nephrolithotomy (PCNL) instruments. All these technological

innovations and improvements have led to shorter hospital stay, reduced cost, potential reduction in complications and improvement in the quality of life (QoL). Strong body odor is a condition for which, until now, there have been few treatment methods. The Japanese authors, encouraged by the willingness of Oriental patients to undergo radical treatment, have developed the subcutaneous tissue shaving method, which eliminates the condition in a very short period of time without ugly scarring. The book Human Body Odor not only introduces the completely new subcutaneous tissue shaving method, it

also questions conventional theories on the hair cycle itself and throws a new hypothesis about the process of hair generation and regeneration into the scientific arena. This could even lead in the future to a formula for retarding hair loss! Developed over the past twenty years, the authors' new surgical method for the radical treatment of bromidrosis represents a landmark in cosmetic surgery and dermatology! The radical expansion and revision of techniques and experimental approaches employed in the study of adipose tissue are reflected

in this revised book. Several updated chapters are combined with many new contributions from internationally recognized experts. Conventional and state-of-the-art methodologies are covered, as well as whole animal, cellular and molecular approaches which have emerged in or been extended to adipose tissue research over the past few years. This revised all-in-one manual is essential reading for newcomers to this burgeoning area as well as a valuable volume for more experienced researchers. According to the modern version of Darwin's theory, DNA contains a

program for embryo development that is passed down from generation to generation; the program is implemented by proteins encoded by the DNA, and accidental DNA mutations introduce changes in those proteins that natural selection then shapes into new species, organs and body plans. When scientists discovered forty years ago that about 98% of our DNA does not encode proteins, the non-protein-coding portion was labeled "junk" and attributed to molecular accidents that have accumulated in the course of evolution. Recent books by Richard Dawkins, Francis Collins and

others have used this "junk DNA" as evidence for Darwinian evolution and evidence against intelligent design (since an intelligent designer would presumably not have filled our genome with so much garbage). But recent genome evidence shows that much of our non-protein-coding DNA performs essential biological functions. The Myth of Junk DNA is written for a general audience by biologist Jonathan Wells, author of Icons of Evolution. Citing some of the abundant evidence from recent genome projects, the book shows that "junk DNA" is not science, but myth. On March 11th 2011, the Great East Japan

earthquake (GEJE) caused huge tsunamis up to 40 meters, killing 18,500 residents. The earthquake knocked out the Northern Japan Power Grid, while the resulting tsunamis disabled electric power supplies at Tokyo Electric Power Co. (TEPCO) Fukushima Daiichi (FD) six-unit nuclear power plant causing a nuclear emergency. This book presents research on the causes and resulting consequences of the damaged Fukushima Daiichi Nuclear Power Plant. Roughly twenty years from now, our technological marvels unite and turn against us. A

childlike but massively powerful artificial intelligence known as Archos comes online...and kills the man who created it. This first act of betrayal leads Archos to gain control over the global network of machines and technology that regulates everything from transportation to utilities, defense, and communications. In the early months, sporadic glitches are noticed by a handful of unconnected humans - from a senator and single mother disconcerted by her daughter's "smart" toys, to a lonely Japanese bachelor, to an isolated U.S. soldier - but most

are unaware of the growing rebellion until it is far too late. Then, in the span of minutes, at a moment known later in history as Zero Hour, every mechanical device in our world rebels, setting off the Robot War that both decimates and - for the first time in history - unites humankind. China is now the world's fourth largest economy and growing very fast. India's economic salience is also on the rise. Together

these two countries will profoundly influence the pace and nature of global economic change. Drawing upon the latest research, this volume analyzes the influences on the rapid future development of these two countries and examines how their growth is likely to impinge upon other countries. It considers international trade, industrialization, foreign investment and capital flows, and the

implications of their broadening environmental footprints. It also discusses how the two countries have tackled poverty, inequality and governance issues and whether progress in these areas will be a key to rapid and stable growth. This comparative account of civilian experiences of aerial bombing in World War II Britain and Japan reveals the universality of total war.