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KEY=SCIENCE - SHANE LILIANNA

Ethical Innovation in Business and the Economy *Edward Elgar Publishing* Innovation has become a buzzword that promises dramatic changes in almost every field of business. Absent from this attention is a serious discussion of the ethical sides of dramatic change. To address this, editors Georges Enderle and Patrick E. Murphy gather a team of experts to fully examine the ethics of innovation within business and the economy in this standout addition to the Studies in TransAtlantic Business Ethics series. **STEM Integration in K-12 Education Status, Prospects, and an Agenda for Research** *National Academies Press* STEM Integration in K-12 Education examines current efforts to connect the STEM disciplines in K-12 education. This report identifies and characterizes existing approaches to integrated STEM education, both in formal and after- and out-of-school settings. The report reviews the evidence for the impact of integrated approaches on various student outcomes, and it proposes a set of priority research questions to advance the understanding of integrated STEM education. STEM Integration in K-12 Education proposes a framework to provide a common perspective and vocabulary for researchers, practitioners, and others to identify, discuss, and investigate specific integrated STEM initiatives within the K-12 education system of the United States. STEM Integration in K-12 Education makes recommendations for designers of integrated STEM experiences, assessment developers, and researchers to design and document effective integrated STEM education. This report will help to further their work and improve the chances that some forms of integrated STEM education will make a positive difference in student learning and interest and other valued outcomes. **Links Between Air Quality and Economic Growth Implications for Pittsburgh** *Rand Corporation* This report assesses what evidence exists for the ways in which local air quality could influence local economic growth and how those effects might be relevant to the Pittsburgh region. **Science, Technology and Innovation Policies for Inclusive Growth in Africa General issues and country cases** *LIT Verlag Münster* The volume analyses how to make Science, Technology and Innovation (STI) Policies relevant for inclusive growth strategies in Africa.The base for a transformative STI policy is to link the STI policies to Africa's economic transformation policies. In a first part the general issues of introducing effective STI policies are presented. In a second part country case studies highlight the new approach. Cases such as Sudan and Nigeria are analysed, as these two countries have a long history of STI development; because of different history, size and structure they need to move in different directions towards a coherent STI policy for inclusive growth. **Integration of Cloud Technologies in Digitally Networked Classrooms and Learning Communities** *IGI Global* The application of emerging technology in educational settings has proven to significantly enhance students' experiences. These tools provide better learning opportunities and engagement between students and instructors. Integration of Cloud Technologies in Digitally Networked Classrooms and Learning Communities is a pivotal reference source for the latest scholarly research on the implementation of cloud pedagogies and innovations in classroom environments. Highlighting concepts related to learning engagement, curriculum design, and theoretical perspectives, this book is ideally designed for researchers, practitioners, professionals, and students interested in the use of cloud technology in digital classrooms. **Data Integration in the Life Sciences 11th International Conference, DILS 2015, Los Angeles, CA, USA, July 9-10, 2015, Proceedings** *Springer* This book constitutes the proceedings of the 11th International Conference on Data Integration in the Life Sciences, DILS 2015, held in Los Angeles, CA, USA, in July 2015. The 24 papers presented in this volume were carefully reviewed and selected from 40 submissions. They are organized in topical sections named: data integration technologies; ontology and knowledge engineering for data integration; biomedical data standards and coding; medical research applications; and graduate student consortium. **Management of Permanent Change** *Springer* In the current times of more frequent crises and ever shortening innovation cycles, the management of change has become a crucial task of survival. While it is not a new topic in business research, the developments of the last decade have posed many new challenges for the change management of firms and organizations and have thus also raised many new questions for academic research in business administration, which the present book turns to deepen. Its particular focus is on disruptive change including its driving forces as well as effective and sustainable management. This publication constitutes a collection of articles that discuss change and innovation processes across different sectors of the economy (industry, banking, and retail), the role of leadership and corporate governance for the effectiveness and sustainability of organizational change. **Integrated Reporting Antecedents and Perspectives for Organizations and Stakeholders** *Springer* This book critically examines the implementation and adoption of integrated reporting (IR) in organizations and corporations. A relatively new area of policy and practice, IR has rapidly gained considerable prominence since the formation of the International Integrated Reporting Committee in 2010. The book analyzes the outcomes and benefits as well as the shortfalls of integrated reporting. It offers an introduction to the foundations of IR and a comprehensive overview of its use through a number of detailed case studies. Lastly, it discusses the outlook for further developments in sustainability accounting and reporting. **Sustainability Accounting and Accountability** *Routledge* The management and balancing of social, environmental and economic sustainability is one of the most complex and urgent challenges facing both private and public sector organizations today; with these challenges of sustainability posing many risks to, and many opportunities for, advancing the aims and performance of organizations. Accounting and accountability processes and practices provide key tools to help organizations to more effectively identify and manage the risks and opportunities of sustainability. Popular features from the first edition are retained, whilst recent developments in theory and practice are accounted for. New substantive chapters on water resource accounting, carbon accounting, and decision making have been introduced and the book continues to benefit from a host of expert contributors from around the world, including Jesse Dillard, Rob Gray, Craig Deegan. This comprehensive and authoritative textbook will continue to be a key resource for students of accounting and sustainability, as well as being a vital tool for researchers. **Accomplishments of the U.S. Global Change Research Program** *National Academies Press* The U.S. Global Change Research Program (USGCRP) is an interagency program, established by the Global Change Research Act (GCRA) of 1990, mandated by Congress to "assist the Nation and the world to understand, assess, predict, and respond to human-induced and natural processes of global change". Since the USGCRP began, scientific understanding of global change has increased and the information needs of the nation have changed dramatically. A better understanding of what is changing and why can help decision makers in the public and private sectors cope with ongoing change. Accomplishments of the U.S. Global Change Research Program highlights the growth of global change science in the quarter century that the USGCRP has been in existence, and describes some of its contributions to that growth through its primary functions of interagency planning and coordination, and of synthesis of research and practice to inform decision making. **Integral Theory and Transdisciplinary Action Research in Education** *IGI Global* With its growing recognition in education, the importance of Integral Theory is slowly entering mainstream academia through interdisciplinary and transdisciplinary research. Addressing the theory's complexity is important for researchers to learn how to apply it in their classrooms and promote a more inclusive educational environment. Integral Theory and Transdisciplinary Action Research in Education provides emerging research exploring the theoretical and practical aspects of the Integral Theory model and its applications within educational contexts. With a diverse array of research problems approached through an inclusive theory framework and featuring coverage on a broad range of topics such as graduate student research, inclusion culture, and organizational learning processes, this publication is ideally designed for graduate students, educators, academicians, researchers, scholars, educational administrators, and policymakers seeking current research on the utility and promise of Integral Theory as a meta-framework for methodological pluralism and transdisciplinary research. **The Integration of the Humanities and Arts with Sciences, Engineering, and Medicine in Higher Education Branches from the Same Tree** *National Academies Press* In the United States, broad study in an array of different disciplines â€"arts, humanities, science, mathematics, engineeringâ€" as well as an in-depth study within a special area of interest, have been defining characteristics of a higher education. But over time, in-depth study in a major discipline has come to dominate the curricula at many institutions. This evolution of the curriculum has been driven, in part, by increasing specialization in the academic disciplines. There is little doubt that disciplinary specialization has helped produce many of the achievement of the past century. Researchers in all academic disciplines have been able to delve more deeply into their areas of expertise, grappling with ever more specialized and fundamental problems. Yet today, many leaders, scholars, parents, and students are asking whether higher education has moved too far from its integrative tradition towards an approach heavily rooted in disciplinary "silos". These "silos" represent what many see as an artificial separation of academic disciplines. This study reflects a growing concern that the approach to higher education that favors disciplinary specialization is poorly calibrated to the challenges and opportunities of our time. The Integration of the Humanities and Arts with Sciences, Engineering, and Medicine in Higher Education examines the evidence behind the assertion that educational programs that mutually integrate learning experiences in the humanities and arts with science, technology, engineering, mathematics, and medicine (STEMM) lead to improved educational and career outcomes for undergraduate and graduate students. It explores evidence regarding the value of integrating more STEMM curricula and labs into the academic programs of students majoring in the humanities and arts and evidence regarding the value of integrating curricula and experiences in the arts and humanities into college and university STEMM education programs. **Low-tech Magazine 2012-2018** *Kris De Decker* Low-tech Magazine underscores the potential of past and often forgotten technologies and how they can inform sustainable energy practices. Sometimes, past technologies can be copied without any changes. More often, interesting possibilities arise when older technology is combined with new knowledge and new materials, or when past concepts and traditional knowledge are applied to modern technology. Inspiration is also to be found in the so-called "developing" world, where resource constraints often lead to inventive, low-tech solutions. **Safety-I and Safety-II The Past and Future of Safety Management** *Ashgate Publishing, Ltd.* Safety has traditionally been defined as a condition where the number of adverse outcomes was as low as possible (Safety-I). From a Safety-I perspective, the purpose of safety management is to make sure that the number of accidents and incidents is kept as low as possible, or as low as is reasonably practicable. This means that safety management must start from the manifestations of the absence of safety and that - paradoxically - safety is measured by counting the number of cases where it fails rather than by the number of cases where it succeeds. This unavoidably leads to a reactive approach based on responding to what goes wrong or what is identified as a risk - as something that could go wrong. Focusing on what goes right, rather than on what goes wrong, changes the definition of safety from 'avoiding that something goes wrong' to 'ensuring that everything goes right'. More precisely, Safety-II is the ability to succeed under varying conditions, so that the number of intended and acceptable outcomes is as high as possible. From a Safety-II perspective, the purpose of safety management is to ensure that as much as possible goes right, in the sense that everyday work achieves its objectives. This means that safety is managed by what it achieves (successes, things that go right), and that likewise it is measured by counting the number of cases where things go right. In order to do this, safety management cannot only be reactive, it must also be proactive. But it must be proactive with regard to how actions succeed, to everyday acceptable performance, rather than with regard to how they can fail, as traditional risk analysis does. This book analyses and explains the principles behind both approaches and uses this to consider the past and future of safety management practices. The analysis makes use of common examples and cases from domains such as aviation, nuclear power production, process management and health care. The final chapters explain the theoretical and practical consequences of the new perspective on the level of day-to-day operations as well as on the level of strategic management (safety culture). Safety-I and Safety-II is written for all professionals responsible for their organisation's safety, from strategic planning on the executive level to day-to-day operations in the field. It presents the detailed and tested arguments for a transformation from protective to productive safety management. **Integrated Environmental Modelling to Solve Real World Problems Methods, Vision and Challenges** *Geological Society of London* The discipline of Integrated Environmental Modelling (IEM) has developed in order to solve complex environmental problems, for example understanding the impacts of climate change on the physical environment. IEM provides methods to fuse or link models together, this in turn requires facilities to make models discoverable and also to make the outputs of modelling easily visualized. The vision and challenges for IEM going forward are summarized by leading proponents. Several case studies describe the application of model fusion to a range of real-world problems including integrating groundwater and recharge models within the UK Environment Agency, and the development of 'catastrophe' models to predict better the impact of natural hazards. Communicating modelling results to end users who are often not specialist modellers is also an emerging area of research addressed within the volume. Also included are papers that highlight current developments of the technology platforms underpinning model fusion. **Handbook of Research on Innovative Technology Integration in Higher Education** *IGI Global* Our increasingly globalized world is driven by shared knowledge, and nowhere is that knowledge more important than in education. Now more than ever, there is a demand for technology that will assist in the spread of knowledge through customized, self-paced, and on-demand learning. The Handbook of Research on Innovative Technology Integration in Higher Education provides an international perspective on the need for information and communication

technology in education and training. Highlighting the use of technology in both formal and informal learning, this book is an essential reference for academics, corporate leaders, government agencies, profit and non-profit organizations, policymakers, or anyone interested in the use of technology to educate and share information. **Promoting Active Learning through the Integration of Mobile and Ubiquitous Technologies** *IGI Global* Once considered disruptive to learning, technology has increasingly become an integrated and valued part of the modern classroom. In particular, mobile technologies provide the ability to encourage evocative student learning through new experiences. Promoting Active Learning through the Integration of Mobile and Ubiquitous Technologies showcases the widely varied ways that technology can be applied to enhance classroom learning. Closely examining and critiquing the best methods in assimilating technologies, this publication is a valuable resource for faculty, teachers, administrators, technology staff, directors of learning centers, and other education technology leaders interested in incorporating new technologies within the classroom for engaging student learning. **Innovating STEM Education: Increased Engagement and Best Practices** *Common Ground Research Networks* In recent years, there has been a focus on promoting the uptake of STEM subjects in schools. This has been driven by the need to ensure that young people gain the knowledge and skills essential to help them participate in a society in which mathematics, science and technology are increasingly important. Nevertheless, reform efforts, including curriculum development, have treated the STEM subjects mostly in isolation. Recognizing that efforts for education within each individual STEM discipline would encourage a wide range of conservations about different important aspects of teaching and learning, this conference considered the potential benefits and challenges for the integration of various STEM's characteristics into education. In order to prepare students to address the problems of our society, it is necessary to provide them with opportunities to understand these problems through rich, engaging and powerful experiences that integrate the disciplines of STEM. This volume contains selected papers presented at the Hellenic Conferences "Innovating STEM education – HiSTEM 2016 and 2018" organized by the Postgraduate Program "Interdisciplinary Approach on Science, Technology, Engineering and Mathematics in Education – STEM Education" (stemeducation.upatras.gr). The first eleven papers were presented at the HiSTEM 2016 Conference and the last six papers at the HiSTEM 2018 Conference. These papers were selected after a peer review process from the conferences' submitted papers. The conferences provided a platform for dissemination of best practices in teaching and learning STEM in Greece and also inspired and empowered STEM educators to improve teaching quality, to increase engagement in STEM education and career pathways, to connect students with real life industry relevancy and to drive creativity, inquiry-based learning, problem-solving and project-based learning. **The EU, Promoting Regional Integration, and Conflict Resolution** *Springer* This book provides a comprehensive study into the promotion of regional integration as a central pillar of European Union (EU) relations with the rest of the world. It is a strategy to deal with a core security challenge: the transformation of conflicts and, in particular, regional conflicts. Yet to what extent has the promotion of regional integration been successful in transforming conflicts? What can we regard as the core mechanisms of such an impact? This volume offers a comprehensive assessment of the nexus between promoting integration and conflict transformation. The authors systematically compare the consequences of EU involvement in eight conflicts in four world regions within a common framework. In doing so, they focus on the promotion of integration as a preventative strategy to avoid conflicts turning violent and as a long-term strategy to transform violent conflicts by placing them in a broader institutional context. The book will be of use to students and scholars interested in European foreign policy, comparative regionalism, and conflict resolution. **Crisis and Promise in the Caribbean Politics and Convergence** *Routledge* The Caribbean is made up of a complex, enigmatic region, characterised by great disparities in size, population, geography, history, language, religion, race and politics. This is a region in which harmony and discord work in tandem, trying to link economic logic with political logic. This book is a useful tool not only for those specialists and students of regionalism but for all those putting their hands to the task of nation-building and those interested in the development processes of small states and economies. At the same time, this book is a comprehensive historical record especially highlighting hindrances to development in this region. This study raises two important issues: the 'political imperative of convergence' and the need for 'appropriate correcting mechanisms' that align the needs of the local with the regional. It is a volume that underlines the need for a change in strategy and makes proposals as to how to go about making those changes. **Darwin-Inspired Learning** *Springer* Charles Darwin has been extensively analysed and written about as a scientist, Victorian, father and husband. However, this is the first book to present a carefully thought out pedagogical approach to learning that is centered on Darwin's life and scientific practice. The ways in which Darwin developed his scientific ideas, and their far reaching effects, continue to challenge and provoke contemporary teachers and learners, inspiring them to consider both how scientists work and how individual humans 'read nature'. Darwin-inspired learning, as proposed in this international collection of essays, is an enquiry-based pedagogy, that takes the professional practice of Charles Darwin as its source. Without seeking to idealise the man, Darwin-inspired learning places importance on: • active learning • hands-on enquiry • critical thinking • creativity • argumentation • interdisciplinarity. In an increasingly urbanised world, first-hand observations of living plants and animals are becoming rarer. Indeed, some commentators suggest that such encounters are under threat and children are living in a time of 'nature-deficit'. Darwin-inspired learning, with its focus on close observation and hands-on enquiry, seeks to re-engage children and young people with the living world through critical and creative thinking modeled on Darwin's life and science. **The Encyclopedia of Middle Grades Education (2nd ed.)** *IAP* The second edition of The Encyclopedia of Middle Grades Education has been revised, updated, and expanded since its original publication in 2005. The Encyclopedia is a comprehensive overview of the field; it contains alphabetically organized entries that address important concepts, ideas, terms, people, organizations, publications, and research studies specifically related to middle grades education. This edition contains over 210 entries from nearly 160 expert contributors, this is a 25% increase in the number of entries over the first edition. The Encyclopedia is aimed at a general audience including undergraduate students in middle?level teacher preparation programs, graduate students, higher education faculty, and practitioners and administrators. The comprehensive list of entries are comprised of both short entries (500 words) and longer entries (2000 words). A significant number of entries appearing in the first edition have been revised and updated. Citations and references are provided for each entry. **The National Curriculum in England (2020 Update)** In this UPDATEDedition of the National Curriculum for Englandfor Key Stages 1 and 2, you will find full programmes of study for all 11 original primary subjectsplus three new subjects: Relationships Education; Relationships and Sex Education; and Health Education(to be taught in English schools in September 2020). The National Curriculum for England sets out the framework for the national curriculum at key stages 1 and 2. This statutory guidance includes information about the school curriculum and the national curriculum the aims for the national curriculum statements on inclusion, and on pupils' competence in numeracy and maths, language and literacy across the school programmes of study for KS 1 and 2 for all the subjects that are taught at these key stages. **Advances in 3D Geoinformation** *Springer* The book presents a collection of accepted papers from the 3DGeoinfo 2015 international conference held in Kuala Lumpur, Malaysia from October 28 – 30, 2015. All papers underwent double-blind review by experts from around the globe. The conference brought together pioneering international researchers and practitioners to facilitate the dialogue on emerging topics in the field of 3D geo-information. The focus areas include: - Data Collection and Modeling: advanced approaches for 3D data collection, reconstruction and methods for representation- Data Management: topological, geometrical and network models for maintenance of 3D geoinformation- Data Analysis and Visualization: frameworks for representing 3D spatial relationships, 3D spatial analysis and algorithms for navigation, interpolation, advanced VR, AR and MR visualisation, as well as 3D visualization on mobile devices- 3D Applications: city models, Cadastre, LBS, etc. **Health Systems Science E-Book** *Elsevier Health Sciences* The first textbook devoted to this emerging area, Health Systems Science now brings you fully up to date with today's key issues and solutions. This increasingly important branch of health care explores how health care is delivered, how health care professionals work together to deliver that care, and how the health system can improve patient care and health care delivery. Along with basic and clinical sciences, health systems science is rapidly becoming a crucial 'third pillar' of medical science, with an emphasis on understanding the role of human factors, systems engineering, leadership, and patient improvement strategies that will help transform the future of health care and ensure greater patient safety. In this 2nd Edition, new chapters, new exercises, and new information help you acquire the knowledge and skills you need for success in today's challenging healthcare system. The first comprehensive text for mastering health systems science, offering practical coverage of all of the factors in the lives of patients that influence their well-being, the structures and processes of the health system itself, societal factors, communication, and information technology. NEW to this edition: New content on systems thinking, ethics and legal issues, and international care models further define and address this new important component of health care education; additional exercises; and expanded information on the patient experience and private practice. Complete coverage of patient safety, quality improvement, value in health care, teamwork, stewardship of health care resources, population health, clinical informatics, care coordination, leadership, and health care financing/reform. Patient improvement strategies incorporate checklists, information technology, team training, and more. A consistent chapter template provides clear coverage of each topic, including Learning Objectives, Chapter Outline, Core Chapter Content, Summary, Questions for Reflection, and Annotated Bibliography and References. Developed by the American Medical Association's Accelerating Change in Medical Education Consortium, and authored by a team that includes AMA staff members working with individuals from the Consortium member schools. **Gamification for Human Factors Integration: Social, Education, and Psychological Issues Social, Education, and Psychological Issues** *IGI Global* With the popularity and ease-of-access to internet technologies, especially social networking, a number of human-centered issues has developed including internet addiction and cyber bullying. In an effort to encourage positive behavior, it is believed that applying gaming principles to non-gaming environments through gamification can assist in improving human interaction online. Gamification for Human Factors Integration: Social, Educational, and Psychological Issues presents information and best practices for promoting positive behavior online through gamification applications in social, educational, and psychological contexts. Through up-to-date research and practical applications, educators, academicians, information technology professionals, and psychologists will gain valuable insight into human-internet interaction and a possible solution for improving the relationship between society and technology. **Enabling Technologies for Very Large-Scale Synaptic Electronics** *Frontiers Media SA* An important part of the colossal effort associated with the understanding of the brain involves using electronics hardware technology in order to reproduce biological behavior in 'silico'. The idea revolves around leveraging decades of experience in the electronics industry as well as new biological findings that are employed towards reproducing key behaviors of fundamental elements of the brain (notably neurons and synapses) at far greater speed-scale products than any software-only implementation can achieve for the given level of modelling detail. So far, the field of neuromorphic engineering has proven itself as a major source of innovation towards the 'silicon brain' goal, with the methods employed by its community largely focused on circuit design (analogue, digital and mixed signal) and standard, commercial, Complementary Metal-Oxide Silicon (CMOS) technology as the preferred 'tools of choice' when trying to simulate or emulate biological behavior. However, alongside the circuit-oriented sector of the community there exists another community developing new electronic technologies with the express aim of creating advanced devices, beyond the capabilities of CMOS, that can intrinsically simulate neuron- or synapse-like behavior. A notable example concerns nanoelectronic devices responding to well-defined input signals by suitably changing their internal state ('weight'), thereby exhibiting `synapse-like' plasticity. This is in stark contrast to circuit-oriented approaches where the `synaptic weight' variable has to be first stored, typically as charge on a capacitor or digitally, and then appropriately changed via complicated circuitry. The shift of very much complexity from circuitry to devices could potentially be a major enabling factor for very-large scale `synaptic electronics', particularly if the new devices can be operated at much lower power budgets than their corresponding 'traditional' circuit replacements. To bring this promise to fruition, synergy between the well-established practices of the circuit-oriented approach and the vastness of possibilities opened by the advent of novel nanoelectronic devices with rich internal dynamics is absolutely essential and will create the opportunity for radical innovation in both fields. The result of such synergy can be of potentially staggering impact to the progress of our efforts to both simulate the brain and ultimately understand it. In this Research Topic, we wish to provide an overview of what constitutes state-of-the-art in terms of enabling technologies for very large scale synaptic electronics, with particular stress on innovative nanoelectronic devices and circuit/system design techniques that can facilitate the development of very large scale brain-inspired electronic systems **5th World Congress on Disaster Management: Volume II** *Taylor & Francis* World Congress on Disaster Management (WCDM) brings researchers, policy makers and practitioners from around the world in the same platform to discuss various challenging issues of disaster risk management, enhance understanding of risks and advance actions for reducing risks and building resilience to disasters. The fifth WCDM deliberates on three critical issues that pose the most serious challenges as well as hold the best possible promise of building resilience to disasters. These are Technology, Finance, and Capacity. WCDM has emerged as the largest global conference on disaster management outside the UN system. The fifth WCDM was attended by more than 2500 scientists, professionals, policy makers and practitioners all around the world despite the prevalence of pandemic. **Nordic integration and settlement policies for refugees A comparative analysis of labour market integration outcomes** *Nordic Council of Ministers* This report has been commissioned by the Labour Market Committee of the Nordic Council of Ministers. The chief aim is to provide policy-relevant knowledge by conducting a comparative analysis of refugee labour-market integration in Scandinavia. Instead of focusing on the well-known employment gap or the fiscal impact of refugee unemployment, this study investigates the divergent impacts of integration programmes and settlement policies for refugees from different backgrounds. Through longitudinal comparative analysis, this study examines the labour-market integration of refugees in Denmark, Norway and Sweden, searching for explanations of cross-national differences by combining statistical analyses with in-depth analyses of national policies and governance structures. **Handbook of Research on Educational Technology Integration and Active Learning** *IGI Global* As today's teachers prepare to instruct a new generation of students, the question is no longer whether technology should be integrated into the classroom, but only "how?" Forced to combat shorter attention spans and an excess of stimuli, teachers sometimes see technology as a threat rather than a potential enhancement to traditional teaching methods. The Handbook of Research on Educational Technology Integration and Active Learning explores the need for new professional development opportunities for

teachers and educators as they utilize emerging technologies to enhance the learning experience. Highlighting the advancements of ubiquitous computing, authentic learning, and student-centered instruction, this book is an essential reference source for educators, academics, students, researchers, and librarians. **Handbook on East Asian Economic Integration** *Edward Elgar Publishing* This comprehensive Handbook provides an in-depth analysis of the nature of East Asian economic integration alongside thoughtful insights into contemporary issues, such as agricultural development, structural transformation and East Asian trade, alongside skills and human capital development policies of ASEAN. Contributors also provide detailed explanations on trade, poverty and Aid for Trade, institutional reforms, regulatory reform and measuring integration. **Confronting Emerging Zoonoses The One Health Paradigm** *Springer* This book provides readers with information on the factors underlying the emergence of infectious diseases originating in animals and spreading to people. The One Health concept recognizes the important links between human, animal, and environmental health and provides an important strategy in epidemic mitigation and prevention. The essential premise of the One Health concept is to break down the silos among the different health professions and promote transdisciplinary collaborations. These concepts are illustrated with in-depth analyses of specific zoonotic agents and with examples of the successes and challenges associated with implementing One Health. The book also highlights some of the challenges societies face in confronting several specific zoonotic diseases. A chapter is included on comparative medicine to demonstrate the broad scope of the One Health concept. Edited by a team including the One Health Initiative pro bono members, the book is dedicated to those studying zoonotic diseases and comparative medicine in both human and veterinary medicine, to those involved in the prevention and control of zoonotic infections and to those in the general public interested in the visionary field of One Health. **Crowdsourcing: Concepts, Methodologies, Tools, and Applications Concepts, Methodologies, Tools, and Applications** *IGI Global* With the growth of information technology, many new communication channels and platforms have emerged. This growth has advanced the work of crowdsourcing, allowing individuals and companies in various industries to coordinate efforts on different levels and in different areas. Providing new and unique sources of knowledge outside organizations enables innovation and shapes competitive advantage. Crowdsourcing: Concepts, Methodologies, Tools, and Applications is a collection of innovative research on the methods and applications of crowdsourcing in business operations and management, science, healthcare, education, and politics. Highlighting a range of topics such as crowd computing, macrotasking, and observational crowdsourcing, this multi-volume book is ideally designed for business executives, professionals, academicians, and researchers interested in all aspects of crowdsourcing. **Metatheory for the Twenty-First Century Critical Realism and Integral Theory in Dialogue** *Routledge* Metatheory for the 21st Century is one of the many exciting results of over four years of in-depth engagement between two communities of scholar-practitioners: critical realism and integral theory.?Building on its origins at a symposium in Luxembourg in 2010, this book examines the points of connection and divergence between critical realism and integral theory, arguably two of the most comprehensive and sophisticated contemporary metatheories. The Luxembourg symposium and the four more that followed explored the possibilities for their cross-pollination, culminating in five positions on their potential for integration, and began the process of fashioning a whole new evolutionary trajectory for both integral theory and critical realism. The contributors to this book bring together critical realism and integral theory in order to explore the potential of this collaboration for the advancement of both. Highlighting the ways in which these metatheories can transform scholarship and address the most pressing global issues of the 21st?century, this book will be of interest to students, scholars and practitioners in the areas of metatheory, philosophy, social theory, critical realism, integral theory and current affairs more generally. **Using Energy Crops for Biofuels or Food: The Choice** *Springer* This book performs a SWOT (strengths, weaknesses, opportunities and threats) analysis to examine the current food crisis and how it relates to the use of crops for energy. It analyses how energy crops may help solve humankind's environmental changes and summarises the economic and practical changes of cultivating and utilising energy crops. Two of humanity's greatest challenges are the need for more food production as well as growing demands for energy. Biofuel cultivation has been identified as a solution to growing energy use, and biomass power plants offer a rare renewable energy source that requires only basic technology. In this context, a dilemma arises concerning whether energy crops should be used for energy or to help remedy the food crisis. SWOT analysis allows us to organise and weigh different pros and cons against each other in terms of economics, job creation, environmental impacts, the climate change agenda, and European Union (EU) directives that promote biofuels over fossil fuels. By pursuing this approach, the book helps researchers and decision-makers cut through the many competing arguments in connection with this complex subject. *Springer Nature* **Inventive Approaches for Technology Integration and Information Resources Management** *IGI Global* Today's management world continually relies on technological efficiency to function and perform at a high standard. As technology becomes a greater part in many fields, understanding and managing this factor is integral for organizations. Inventive Approaches for Technology Integration and Information Resources Management provides an overview and analysis of knowledge management in sustainability, emergency preparedness, and IT, among other fields integral to the modern technological era. By providing a foundation for innovative practices in using technology and information resources, this publication is essential for practitioners and professionals, as well as undergraduate/graduate students and academicians. **Strengthening Forensic Science in the United States A Path Forward** *National Academies Press* Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators. **ECIME2015-9th European Conference on IS Management and Evaluation ECIME 2015** *Academic Conferences and publishing limited* The 9th European Conference on Information Management and Evaluation (ECIME) is being hosted this year by the University of the West of England, Bristol, UK on the 21-22 September 2015. The Conference Chair is Dr Elias Pimenidis, and the Programme Chair is Dr Mohammed Odeh both from the host University. ECIME provides an opportunity for individuals researching and working in the broad field of information systems management, including IT evaluation to come together to exchange ideas and discuss current research in the field. This has developed into a particularly important forum for the present era, where the modern challenges of managing information and evaluating the effectiveness of related technologies are constantly evolving in the world of Big Data and Cloud Computing. We hope that this year's conference will provide you with plenty of opportunities to share your expertise with colleagues from around the world. The keynote speakers for the Conference are Professor Haris Mouratidis, from the School of Computing, Engineering and Mathematics, University of Brighton, UK who will address the topic "Rethinking Information Systems Security", Dr Mohammed Odeh, from the University of the West of England, Bristol, UK and Dr. Mario Kossmann from Airbus, UK who will talk about "The Significance of Information Systems Management and Evaluation in the Aerospace Industry' ECIME 2015 received an initial submission of 55 abstracts. After the double-blind peer review process 28 academic Research papers, 5 PhD Research papers, 1 Masters Research paper and 3 Work in Progress papers have been accepted for these Conference Proceedings. These papers represent research from around the world, including Austria, Botswana, Cyprus, Czech Republic, Ireland, Japan, Kuwait, New Zealand, Norway, Poland, Portugal, Slovakia, Russia, South Africa, South Korea, Sweden, The Netherlands, UK and the USA. **Strategic Corporate Communication in the Digital Age** *Emerald Group Publishing* Strategic Corporate Communication in the Digital Age explores how contemporary communication approaches are crossing boundaries as innovative media formats and digital transformations offer new challenges and opportunities to academia and practitioners.