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Collective Intelligence

Collective Intelligence

CreateSpace

The era of collective intelligence has begun in earnest. While others have written about the wisdom of crowds, an army of Davids, and smart mobs, this collection of essays for the first time brings together fifty-five pioneers in the emerging discipline of collective intelligence. They provide a base of tools for connecting people, producing high-functioning teams, collaborating at multiple scales, and encouraging effective peer-production. Emerging models are

explored for digital deliberative democracy, self-governance, legislative transparency, true-cost accounting, and the ethical use of open sources and methods. See also INTELLIGENCE FOR EARTH: Clarity, Diversity, Integrity & Sustainability, and THE OPEN SOURCE EVERYTHING MANIFESTO: Transparency, Truth, & Trust.

The Open-Source Everything Manifesto *North Atlantic Books*

What the world lacks right now—especially the United States, where every form of organization from government to banks to labor unions has betrayed the public trust—is integrity. Also lacking is public

intelligence in the sense of decision-support: knowing what one needs to know in order to make honest decisions for the good of all, rather than corrupt decisions for the good of the few. The Open-Source Everything Manifesto is a distillation of author, strategist, analyst, and reformer Robert David Steele life's work: the transition from top-down secret command and control to a world of bottom-up, consensual, collective decision-making as a means to solve the major crises facing our world today. The book is intended to be a catalyst for citizen dialog and deliberation, and for inspiring the continued evolution of a nation in which all citizens realize our shared aspiration of direct democracy—informed participatory democracy. Open-Source Everything is a cultural and philosophical concept that is essential to creating a prosperous world at peace, a world that works for one hundred percent of humanity. The future of intelligence is not secret, not federal, and not expensive. It is about transparency, truth, and trust among our local to global collective. Only "open" is scalable. As we strive to recover from the closed world corruption and secrecy that has enabled massive fraud within governments, banks, corporations, and even non-profits and universities, this timely book is a manifesto for liberation—not just

open technology, but open everything.

9 Design Principles for Collective Intelligence and Prosperity

Createspace

Independent Pub

9 Design Principles makes its debut in its new revised 3rd Edition. This book makes the case for extending the Enneagram from personality types to systems, and shows how we can design, assess, and build intelligent, prosperous systems at the individual, organizational, societal levels. The Enneagram is a powerful tool for self-awareness, personal development, and emotional intelligence that teaches us to look inside, helps us to see

what we would otherwise not see, and shows us how we get stuck in vicious cycles. It has brought great illumination. In order to architect healthy systems that enable us to function together to perform “the complex tasks required in a modern society,” we can extend this model of personality typology, vicious cycles, and levels, focused on the individual, to a systems framework of the whole and the interaction of the parts. Extending this new thinking to groups, organizations, and the collective will help us design, manage, and sustain thriving lives, families, schools, businesses, industries, communities, and societies, and help us move past the scarcity, conflict, inequality,

instability,
externalities, and
moral hazards that
plague our modern
experience.

**Managing
Knowledge for
Global and
Collaborative
Innovations**

*World
Scientific*

Technological and
knowledge diffusion
through innovative
networks / Beatriz
Helena Neto, Jano
Moreira de Souza and
Jonice de Oliveira --
Knowledge flow
networks and
communities of
practice for knowledge
management / Rajiv
Khosla [und weitere] --
A case study of
knowledge sharing in
Finnish Laurea lab as a
knowledge intensive
organization / Abel
Usoro and Grzegorz
Majewski -- The role of

"BRIDGE" SE in
knowledge sharing : a
case study of software
offshoring from Japan
to Vietnam / Nguyen
Thu Huong and
Umemoto Katsuhiko --
Factors influencing
knowledge sharing in
immersive virtual
worlds : an empirical
study with a second life
group / Grzegorz
Majewski and Abel
Usoro -- Re-
establishing grassroots
inventors in national
innovation system in
less innovative Asian
countries / C.N.
Wickramasinghe [und
weitere] -- Knowledge
management &
collaboration in steel
industry : a case study
/ Chagari Sasikala --
Contingency between
knowledge
characteristics and
knowledge transfer
mechanism : an
integrative framework /

Ziye Li and Youmin Xi - knowledge
 - Emotionally management at a
 intelligent knowledge public health institute
 sharing behavior model in Thailand / Vallerut
 for constructing Pobkeeree, Pathom
 psychologically and Sawanpanyalert and
 emotionally fit Nirat Sirichotiratana --
 research teams / R. The influence of
 Khosla [und weitere] -- knowledge
 Fundamental for an IT- management
 strategy toward capabilities and
 managing viable knowledge
 knowledge-intensive management
 research projects / Paul infrastructure on
 Pöltner and Thomas market-
 Grechenig -- A new interrelationship
 framework of performance : an
 knowledge empirical study on
 management based on hospitals / Wen-Ting Li
 the interaction and Shin-Tuan Hung --
 between human capital Functional dynamics in
 and organizational system of innovation :
 capital / Zheng Fan, a general model of SI
 Shujing Cao and metaphoric from
 Fenghua Wang -- traditional Chinese
 Knowledge medicine / Xi Sun, Xin
 management of Tian and Xingmai Deng
 healthcare by clinical- -- Collaborative writing
 pathways / Tomoyoshi with a wiki in a primary
 Yamazaki and five English classroom /
 Katsuhiro Umemoto -- Matsuko Woo [und
 Factors affecting weitere] -- Cross-

language knowledge sharing model based on ontologies and logical inference / Weisen Guo and Steven B. Kraines -- A study of evaluating the value of social tags as indexing terms / Kwan Yi -- Leadership 2.0 and Web2.0 at ERM : a journey from knowledge management to "knowledging" / Cheuk Wai-yi Bonnie and Brenda Dervin -- Motivation, identity, and authoring of the wikipedian / Joseph C. Shih and C.K. Farn -- Intellectual capital and performance : an empirical study on the relationship between social capital and R & D performance in higher education / Mohd Iskandar Bin Illyas, Rose Alinda Alia and Leela Damodaran -	in a volunteer-based community / John S. Huck, Rodney A. and Dinesh Rathi -- Knowledge management practices in a not for profit organizations : a case study of I2E / Matthew Broaddus and Suliman Hawamdeh -- Personal information management tools revisited / Yun-Ke Chang [und weitere] -- Competencies sought by knowledge management employers : context analysis of online job advertisements / Shaheen Majid and Rianto Mulia -- Migration or integration : knowledge management in library and information science profession / Manir Abdullahi Kamba and Roslina Othman -- Evaluating intellectual assets in university
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libraries : a multi-site case study from Thailand / Sheila Corral and Somsak Sriborisutsakul -- From for-profit organizations to non-profit organizations : the development of knowledge management in a public library / Kristen Holm, Kelly Kirkpatrick and Dinesh Rathi -- Network structure, structural equivalence and group performance : a simulation research on knowledge process / Hua Zhang and Youmin Xi -- Exploring the knowledge creating communities : an analysis of the linux kernel developer community / Haoxiang Xia, Shuangling Luo and Taketoshi Yoshida -- Systemic thinking in knowledge management / Yoshiteru Nakamori --

Study on the methods of identification and judgment for opinion leaders in public opinion / Liu Yijun, Tang Xi Jin and Gu Jifa

New Communication Approaches in the Digitalized World

Cambridge Scholars Publishing

The collection of essays reviews, explores and reports on the state of the digitalized world and a number of communication issues. It is a readable, non-technical publication which offers a comprehensive presentation of communication issues, trends, data, and likely future developments in the digitalized world.

The Oxford Handbook of National Security

Intelligence *Oxford University Press*

The Oxford Handbook of National Security Intelligence is a state-of-the-art work on intelligence and national security. Edited by Loch Johnson, one of the world's leading authorities on the subject, the handbook examines the topic in full, beginning with an examination of the major theories of intelligence. It then shifts its focus to how intelligence agencies operate, how they collect information from around the world, the problems that come with transforming "raw" information into credible analysis, and the difficulties in disseminating intelligence to policymakers. It also

considers the balance between secrecy and public accountability, and the ethical dilemmas that covert and counterintelligence operations routinely present to intelligence agencies. Throughout, contributors factor in broader historical and political contexts that are integral to understanding how intelligence agencies function in our information-dominated age. The book is organized into the following sections: theories and methods of intelligence studies; historical background; the collection and processing of intelligence; the analysis and production of intelligence; the challenges of intelligence dissemination;

counterintelligence and counterterrorism; covert action; intelligence and accountability; and strategic intelligence in other nations.

Computational Collective Intelligence. Semantic Web, Social Networks and Multiagent Systems

Springer Science & Business Media

Computational collective intelligence (CCI) is most often understood as a subfield of artificial intelligence (AI) dealing with soft computing methods that enable group decisions to be made or knowledge to be processed among autonomous units acting in distributed environments. The needs for CCI techniques and tools

have grown significantly recently as many information systems work in distributed environments and use distributed resources. Web-based systems, social networks and multi-agent systems very often need these tools for working out consistent knowledge states, resolving conflicts and making decisions. Therefore, CCI is of great importance for today's and future distributed systems.

Methodological, theoretical and practical aspects of computational collective intelligence, such as group decision making, collective action coordination, and knowledge integration, are considered as the form of intelligence that

emerges from the collaboration and competition of many individuals (artificial and/or natural). The application of multiple computational intelligence technologies such as fuzzy systems, evolutionary computation, neural systems, consensus theory, etc. , can support human and other collective intelligence and create new forms of CCI in natural and/or artificial systems.

**Computational
Collective
Intelligence** *Springer
Nature*

This volume constitutes the refereed proceedings of the 12th International Conference on Computational

Collective Intelligence, ICCCI 2020, held in Da Nang, Vietnam, in November 2020.* The 70 full papers presented were carefully reviewed and selected from 314 submissions. The papers are grouped in topical sections on: knowledge engineering and semantic web; social networks and recommender systems; collective decision-making; applications of collective intelligence; data mining methods and applications; machine learning methods; deep learning and applications for industry 4.0; computer vision techniques; biosensors and biometric techniques; innovations in intelligent systems; natural language processing; low

resource languages processing; computational collective intelligence and natural language processing; computational intelligence for multimedia understanding; and intelligent processing of multimedia in web systems. *The conference was held virtually due to the COVID-19 pandemic.

2013-14 State of the Future *The Millennium Project*

The 2013-14 State of the Future is the most compelling overview of humanity's situation, potentials for the future, and what we should do today - in clear, precise, and readable text with unparalleled breadth and depth. It is the 17th annual report

card on the future of the world produced by The Millennium Project, an accumulated intelligence from over 4,500 thought leaders selected by its 50 Nodes around the world. It covers the global landscape with a short overviews with regional considerations of 15 global challenges such as energy, food, water, science & technology, ethics, economics, health, education, organized crime, decisionmaking and foresight, gender relations, demographics, war & peace, and others. Together with the executive summary, they are ideal for busy executives, thought leaders, corporate strategic planners, public policy experts, policy advisers, non-profit issues

organizations, teachers and professors of world issues, and anyone interested in a global overview of our prospects for the future – with discussions of problems and potential solutions.

**Creating
Technology-Driven
Entrepreneurship**
Springer

This book proposes a comprehensive analysis of the existing schools of thought on technology-driven entrepreneurship to point out the process-based nature of this phenomenon. It explores whether entrepreneurship can be learned and examines the main processes that help influence entrepreneurial mind-sets. In the current

economic landscape, technology-driven entrepreneurship is the driving force behind national economies and entrepreneurial societies. It is the engine of innovation, job creation, productivity and economic growth, bringing benefits both at the level of the individual and of the society and promoting sustainable smart growth and development. This book provides a comprehensive view of “how” entrepreneurs and future entrepreneurs learn and develop their business ventures in a wider environment. Moreover, it discusses issues concerning setting up the suitable entrepreneurial environments, processes, values and

policies to encourage and foster individual entrepreneurial aptitudes. It also explores practices for developing technology-driven entrepreneurship in a European context as well as in emerging regions.

The Reputation Society *MIT Press*

Experts discuss the benefits and risks of online reputation systems. In making decisions, we often seek advice. Online, we check Amazon recommendations, eBay vendors' histories, TripAdvisor ratings, and even our elected representatives' voting records. These online reputation systems serve as filters for information overload. In this book, experts

discuss the benefits and risks of such online tools. The contributors offer expert perspectives that range from philanthropy and open access to science and law, addressing reputation systems in theory and practice. Properly designed reputation systems, they argue, have the potential to create a "reputation society," reshaping society for the better by promoting accountability through the mediated judgments of billions of people. Effective design can also steer systems away from the pitfalls of online opinion sharing by motivating truth-telling, protecting personal privacy, and discouraging digital vigilantism.

Contributors Madeline Ashby, Jamais Cascio, John Henry Clippinger, Chrysanthos Dellarocas, Cory Doctorow, Randy Farmer, Eric Goldman, Victor Henning, Anthony Hoffmann, Jason Hoyt, Luca Iandoli, Josh Introne, Mark Klein, Mari Kuraishi, Cliff Lampe, Paolo Massa, Hassan Masum, Marc Maxson, Craig Newmark, Michael Nielsen, Lucio Picci, Jan Reichelt, Alex Steffen, Lior Strahilevitz, Mark Tovey, John Whitfield, John Willinsky, Yi-Cheng Zhang, Michael Zimmer

Linked Democracy *Springer*

This open access book shows the factors linking information flow, social intelligence, rights

management and modelling with epistemic democracy, offering licensed linked data along with information about the rights involved. This model of democracy for the web of data brings new challenges for the social organisation of knowledge, collective innovation, and the coordination of actions. Licensed linked data, licensed linguistic linked data, right expression languages, semantic web regulatory models, electronic institutions, artificial socio-cognitive systems are examples of regulatory and institutional design (regulations by design). The web has been massively populated with both data and services, and semantically structured

data, the linked data cloud, facilitates and fosters human-machine interaction. Linked data aims to create ecosystems to make it possible to browse, discover, exploit and reuse data sets for applications. Rights Expression Languages semi-automatically regulate the use and reuse of content.

Reinventing Engineering

Holistic analytics, true cost economics, and Open Source Everything Engineering (OSEE) are the non-negotiable enablers of the post-Western economy, probably led by the Chinese since the Americans have refused to listen to me for 30 years. To create a prosperous world at peace, a world that

works for all, we need the reinstall ethics as an operating system, refocus on human capital, and understand that online economies cannot exist in isolation -- one reason I think Tencent might be positioned to bring its online-offline vision to the world, and be the primary actor in laying down a cyber-grid on top of the physical One Belt One Road. Library of Congress Catalog: 1. Business intelligence. 2. Commercial Intelligence. 3. Collective Intelligence. 4. Internet. 5. Organizational change. 6. Open Data. 7. Open Decision-Support. 8. Open Governance. 9. Open Health. 10. Open Infrastructure. 11. Open Manufacturing. 12. Open Provisioning. 13. Open Software. 14.

Open Space. 14. 18th of April in
Strategic planning. 16. Funchal, Madeira,
Leadership. 17. Portugal, a global
Information forum for researchers
technology. 18. and practitioners to
Economic forecasting. present and discuss
19. Business recent results and
forecasting. 20. innovations, current
Knowledge, theory of. trends, professional
21. Power (social experiences and
sciences). 22. challenges of modern
Information science- Information Systems
social aspects. 23. and Technologies
Competition. 24. research, technological
National security- development and
management of. 25. applications. The main
Political planning. topics covered are:

**New Perspectives in
Information Systems
and Technologies,
Volume 1** *Springer
Science & Business
Media*

This book contains a
selection of articles
from The 2014 World
Conference on
Information Systems
and Technologies
(WorldCIST'14), held
between the 15th and

Information and
Knowledge
Management;
Organizational Models
and Information
Systems; Intelligent
and Decision Support
Systems; Software
Systems,
Architectures,
Applications and Tools;
Computer Networks,
Mobility and Pervasive
Systems; Radar
Technologies; Human-

Computer Interaction; Health Informatics and Information Technologies in Education.

Intelligent Human Systems Integration 2020 *Springer Nature*

This book presents cutting-edge research on innovative human systems integration and human-machine interaction, with an emphasis on artificial intelligence and automation, as well as computational modeling and simulation. It covers a wide range of applications in the areas of design, construction and operation of products, systems and services, and discusses the human factors in a wide range of settings. Gathering the proceedings of the 3rd

International Conference on Intelligent Human Systems Integration (IHSI 2020), held on February 19-21, 2020, in Modena, Italy, the book's goal is to advance the theory and applications of artificial cognitive systems and improve human-artificial systems collaboration. Special emphasis is placed on automotive design, autonomous vehicles and the applications of artificial intelligence. The book offers a timely survey and source of inspiration for human factors engineers, automotive engineers, IT developers and UX designers who are working to shape the future of automated intelligent systems.

Keeping U.S.

Intelligence Effective Scarecrow Press

Keeping U.S. Intelligence Effective: The Need for a Revolution in Intelligence Affairs explores whether the U.S. intelligence enterprise will be able to remain effective in today's security environment. Based on the demands currently being placed upon the intelligence community, the analysis concludes that the effectiveness of U.S. intelligence will decline unless it embarks upon an aggressive, transformational course of action to reform various aspects of its operations. In keeping with the emerging literature on this subject, the book asserts that a so-called

Revolution in Intelligence Affairs is needed.

ECIC2014- Proceedings of the 6th European Conference on Intellectual Capital Academic Conferences Limited

Information Systems Architecture and Technology: Proceedings of 39th International Conference on Information Systems Architecture and Technology - ISAT 2018 Springer

This three-volume set of books highlights major advances in the development of concepts and techniques in the area of new technologies and architectures of contemporary information systems.

Further, it helps readers solve specific research and analytical problems and glean useful knowledge and business value from the data. Each chapter provides an analysis of a specific technical problem, followed by a numerical analysis, simulation and implementation of the solution to the real-life problem. Managing an organisation, especially in today's rapidly changing circumstances, is a very complex process. Increased competition in the marketplace, especially as a result of the massive and successful entry of foreign businesses into domestic markets, changes in consumer behaviour, and broader access to new technologies and information, calls for organisational restructuring and the introduction and modification of management methods using the latest advances in science. This situation has prompted many decision-making bodies to introduce computer modelling of organisation management systems. The three books present the peer-reviewed proceedings of the 39th International Conference "Information Systems Architecture and Technology" (ISAT), held on September 16-18, 2018 in Nysa, Poland. The conference was organised by the Computer Science and Management Systems Departments, Faculty of Computer Science and Management,

Wroclaw University of Technology and Sciences and University of Applied Sciences in Nysa, Poland. The papers have been grouped into three major parts: Part I—discusses topics including but not limited to Artificial Intelligence Methods, Knowledge Discovery and Data Mining, Big Data, Knowledge Based Management, Internet of Things, Cloud Computing and High Performance Computing, Distributed Computer Systems, Content Delivery Networks, and Service Oriented Computing. Part II—addresses topics including but not limited to System Modelling for Control, Recognition and Decision Support, Mathematical Modelling in Computer

System Design, Service Oriented Systems and Cloud Computing, and Complex Process Modelling. Part III—focuses on topics including but not limited to Knowledge Based Management, Modelling of Financial and Investment Decisions, Modelling of Managerial Decisions, Production Systems Management and Maintenance, Risk Management, Small Business Management, and Theories and Models of Innovation.

Identification of Potential Terrorists and Adversary Planning *IOS Press*

Never before have technological advances had so great an impact on security—not only increasing the nature and level of threats, but also for the

possibility of providing the means to address the threats. Technologies that could increase security include ubiquitous and omnipresent surveillance systems, the use of new algorithms for big data, improving bio- and psycho-metrics, and artificial intelligence and robotics. Yet trustworthy and reliable partners and an active and alert society remain sine qua non to reduce terrorism. "To my mind, this publication is one of the best studies of modern terrorism and what to do about it that we have at our disposal. So I am confident that it will find a wide readership, not only in academic or think tank circles, but even more importantly, among

policy makers and government officials. They stand to benefit most and they can afford least of all to ignore the important conclusions and recommendations that this wise publication has provided." Jamie SHEA Deputy Assistant Secretary General, Emerging Security Challenges Division, NATO

Hive Mind *Stanford University Press*

Over the last few decades, economists and psychologists have quietly documented the many ways in which a person's IQ matters. But, research suggests that a nation's IQ matters so much more. As Garrett Jones argues in *Hive Mind*, modest differences in national IQ can explain most

cross-country inequalities. Whereas IQ scores do a moderately good job of predicting individual wages, information processing power, and brain size, a country's average score is a much stronger bellwether of its overall prosperity. Drawing on an expansive array of research from psychology, economics, management, and political science, Jones argues that intelligence and cognitive skill are significantly more important on a national level than on an individual one because they have "positive spillovers." On average, people who do better on standardized tests are more patient, more cooperative, and have

better memories. As a result, these qualities—and others necessary to take on the complexity of a modern economy—become more prevalent in a society as national test scores rise. What's more, when we are surrounded by slightly more patient, informed, and cooperative neighbors we take on these qualities a bit more ourselves. In other words, the worker bees in every nation create a "hive mind" with a power all its own. Once the hive is established, each individual has only a tiny impact on his or her own life. Jones makes the case that, through better nutrition and schooling, we can raise IQ, thereby fostering higher savings rates,

more productive teams, and more effective bureaucracies. After demonstrating how test scores that matter little for individuals can mean a world of difference for nations, the book leaves readers with policy-oriented conclusions and hopeful speculation: Whether we lift up the bottom through changing the nature of work, institutional improvements, or freer immigration, it is possible that this period of massive global inequality will be a short season by the standards of human history if we raise our global IQ.

Artificial Intelligence Applications and Innovations *Springer*

This book constitutes

the refereed proceedings of the 14th IFIP WG 12.5 International Conference on Artificial Intelligence Applications and Innovations, AIAI 2018, held in Rhodes, Greece, in May 2018. The 42 full papers and 12 short papers were carefully reviewed and selected from 88 submissions. They are organized in the following topical sections: social media, games, ontologies; deep learning; support vector machines; constraints; machine learning, regression, classification; neural networks; medical intelligence; recommender systems; optimization; learning, intelligence; heuristic approaches, cloud; fuzzy; and human and computer interaction,

sound, video, processing.

Handbook of Research on Transmedia Storytelling and Narrative Strategies

IGI Global

Transmedia storytelling is defined as a process where integral elements of fiction get dispersed systematically across multiple delivery channels to create a unified and coordinated entertainment experience. This process and its narrative models have had an increasing influence on the academic world in addressing both theoretical and practical dimensions of transmedia storytelling. The Handbook of Research

on Transmedia Storytelling and Narrative Strategies is a critical scholarly resource that explores the connections between consumers of media content and information parts that come from multimedia platforms, as well as the concepts of narration and narrative styles. Featuring coverage on a wide range of topics such as augmented reality, digital society, and marketing strategies, this book explores narration as a method of relating to consumers. This book is ideal for advertising professionals, creative directors, academicians, scriptwriters, researchers, and upper-level graduate students seeking current research on

narrative marketing strategies.

Achieving Sustainability Using Creativity, Innovation, and Education: A Multidisciplinary Approach *IGI Global*

In recent years, there has been an increased emphasis placed on the role of creativity and innovation in critical areas such as thinking and problem-solving, self-management, stress tolerance and flexibility, education, sustainability, and the new normal caused by COVID-19. Though creativity is a crucial cognitive skill and innovation is a requirement to meet the challenges of today and tomorrow, these concepts must be thoroughly examined

and considered as they are often misunderstood and underestimated. Achieving Sustainability Using Creativity, Innovation, and Education: A Multidisciplinary Approach discusses important issues surrounding human creativity and innovation as well as how education can develop cognitive abilities and skills and be improved to meet future challenges and demands using creativity and innovation. Covering topics such as creative leadership and problem-solving skills, it is ideal for practitioners, academicians, managers, policymakers, consultants, development

specialists,
researchers,
instructors, and
students.

**No More Secrets:
Open Source
Information and the
Reshaping of U.S.
Intelligence** *ABC-CLIO*

This in-depth analysis shows how the high stakes contest surrounding open source information is forcing significant reform within the U.S. intelligence community, the homeland security sector, and among citizen activists. • Critique and commentary from intelligence officials and analysts regarding open source reforms within the intelligence community and homeland security sector • Three interrelated case

studies through which post-9/11 U.S. intelligence reform is analyzed and critiqued

- Examples of collateral, including official and unofficial photos, from the 2007 and 2008 Open Source Conferences sponsored by the Director of National Intelligence • A timeline of key open source developments, including the establishment of associated commissions and changes in organizational structures, policies, and cultures • Appendices containing excerpts of key open source legislation and policy documents • A bibliography of open source-related scholarship and commentary

Intelligent

Information and Database Systems *Springer*

The two-volume set LNAI 10191 and 10192 constitutes the refereed proceedings of the 9th Asian Conference on Intelligent Information and Database Systems, ACIIDS 2017, held in Kanazawa, Japan, in April 2017. The total of 152 full papers accepted for publication in these proceedings was carefully reviewed and selected from 420 submissions. They were organized in topical sections named: Knowledge Engineering and Semantic Web; Social Networks and Recommender Systems; Text Processing and Information Retrieval; Intelligent Database

Systems; Intelligent Information Systems; Decision Support and Control Systems; Machine Learning and Data Mining; Computer Vision Techniques; Advanced Data Mining Techniques and Applications; Intelligent and Context Systems; Multiple Model Approach to Machine Learning; Applications of Data Science; Artificial Intelligence Applications for E-services; Automated Reasoning and Proving Techniques with Applications in Intelligent Systems; Collective Intelligence for Service Innovation, Technology Opportunity, E-Learning and Fuzzy Intelligent Systems; Intelligent Computer Vision Systems and Applications; Intelligent Data Analysis,

Applications and Technologies for Internet of Things; Intelligent Algorithms and Brain Functions; Intelligent Systems and Algorithms in Information Sciences; IT in Biomedicine; Intelligent Technologies in the Smart Cities in the 21st Century; Analysis of Image, Video and Motion Data in Life Sciences; Modern Applications of Machine Learning for Actionable Knowledge Extraction; Mathematics of Decision Sciences and Information Science; Scalable Data Analysis in Bioinformatics and Biomedical Informatics; and Technological Perspective of Agile Transformation in IT organizations.

Teaching and

Learning Practices That Promote Sustainable Development and Active Citizenship *IG/Global*

The profound changes that we are experiencing at the political, environmental, economic, social, and cultural levels of our “postmodern” society pose immense challenges to education. In order to empower students to analyze, reflect, and take action for a sustainable world, the learning and educational process must be experienced in the context of citizenship; that is, it must be designed, planned, and implemented having global sustainability as a framework, thus developing societal

awareness, values, and principles. Teaching and Learning Practices That Promote Sustainable Development and Active Citizenship is an essential research book that provides comprehensive research on education as a fundamental factor in empowering citizens to understand and act on the multiple risks and challenges to the sustainability of our society and world. Highlighting a range of critical learning strategies such as global and critical education, development education, and transformational education, among others, this book is ideal for academicians, education professionals, researchers,

policymakers, and students.

**Collective
Consciousness and
Gender** *Springer*

This book explores collective consciousness and how it is applied to the pursuit of gender justice in international law. It discusses how the collective mode of behaviour and identity can lead to unconscious role-playing based on the social norms, expectations or archetypes of a group. Alexandra Walker contends that throughout history, men have been constructed as archetypal dominators and women as victims. In casting women in this way, we have downplayed their pre-existing, innate

capacities for strength, leadership and power. In casting men as archetypal dominators, we have downplayed their capacities for nurturing, care and empathy. The author investigates the widespread implications of this unconscious role-playing, arguing that even in countries in which women have many of the same legal rights as men, gender justice and equality have been too simplistically framed as 'feminism' and 'women's rights' and that giving women the rights of men has not created gender balance. This book highlights the masculine and feminine traits belonging to all individuals and calls on international law to

reflect this gender continuum.

Handbook of Research on Democratic Strategies and Citizen-Centered E-Government Services *IGI Global*

Over the past few years, e-government has been rapidly changing the way governmental services are provided to citizens and businesses. These services improve business and government exchange capability, provide a new way to discover and share information, and play a part in the evolution of future technologies. The Handbook of Research on Democratic Strategies and Citizen-Centered E-Government Services seeks to address which

services in e-government should be provided to users and how. This premier reference work gives an overview of the latest achievements in the field of e-government services, provides in-depth analysis of and research on the development and deployment of cutting-edge applications, and provides insight into future trends for researchers, teachers, students, government workers, and IT professionals.

Open Innovation *World Scientific*

'Open Innovation: A Multifaceted Perspective unveils research on open innovation from multidisciplinary perspectives and with practical insights from

leaders and policy-makers. The first section addresses the links between open innovation and various disciplines, methods, concepts and policy instruments. The second section reviews selectively the literature, focusing essentially on open service innovation and innovation in financial services industries. It also explores different forms and types of practices reflecting the adoption and implementation of open innovation. The third section focuses on the management of open innovation, paying specific attention to the individual, intra- and inter-organizational levels. Contents: Part I: Unfolding Fifty Shades of Open Innovation: Stimulating

Insights & Foresights (Anne-Laure Mention and Marko Torkkeli)Open Questions about Open Innovations (Leonid Chechurin)Open Data For Open Science: Aspirations, Realities, Challenges and Opportunities (Vera Lipton)Open Innovation or Innovation in the Open? An Exploration of the Strategy-Innovation Link in Five Scale-Intensive Services (Karl Joachim Breunig, Tor Helge Aas and Katja Maria Hydle)Sustainable Innovation: Solving Wicked Problems Through Innovation (Antti Hautamäki and Kaisa Oksanen)Futures of Innovation Systems and Innovation Management: Open Innovation Paradigm Analysed from Futures Perspectives (Jari Kaivo-oja and Teemu Santonen)Leveraging Design Thinking to Innovate (Denis Dennehy, Frederic Adam and Fergal Carton)Open Innovation Adoption Practices and Evaluation Methods in the Global Process Industry (Jarkko Pellikka, Miika Kajanus and Marko Seppänen)Open Innovation Networks: Exploring Actor Roles and Network Orchestration in Living Lab (Dimitri Schuurman, Bram Lievens, Carina Veeckman, Lieven De Marez and Pieter Ballon)Open Innovation and Territory (Marcin Baron)Living Labs and Open Innovation in European Context (Bror Salmelin)Part II:The Feasibility of Open

Service Innovation (Tor Helge Aas and Per Egil Pedersen) Financial Services and Open Innovation (Patrick Schueffel and Justin Vadana) How to Motivate and Reward Customers in an Online Co-Creation Process? (Maria Antikainen and Marketta Niemelä) Customer Involvement in Innovation in Service Sector (Jaakko Paasi) Can Crowdsourcing Platforms Be Used in B2B Innovation? (Hannu Kärkkäinen, Jari Jussila, Jani Multasuo and Nina Helander) Crowdsourcing for Value Creation in Lean Start-Ups (Pia Erkinheimo, Hannu Kärkkäinen and Jari Jussila) Open Innovation in University-Industry Collaboration: Communities of Practice (Päivi Iskanus) Characteristics of Open Innovation Cultures in Different Regional Contexts (Peter Prud'homme van der Reine) Ambidextrous Organisational and Individual Competencies in OI: The Dawn of a New Research Agenda (Joachim Hafkesbrink and Markus Schroll) Understanding Open Service Innovation and the Role of Intermediaries (Wil Janssen, Timber Haaker and Harry Bouwman) Intra-Organisational Knowledge Flows: A Coopetition Perspective on Post-Acquisition and Merger Activities (Audrey Depeige and Stavros Sindakis) Management of Diversity in Open

Innovation Processes
(Teemu Santonen)
Readership: Graduate
students, researchers,
innovation managers,
executives, policy
makers in the field of
innovation. Key
Features: Multidisciplinary and interdisciplinary
Theory, Practice and Policy perspectives with
contributors from all these economic segments
Diversity of themes covered
Keywords: Open Innovation; Innovation Management; Innovation Economics; Crowdsourcing; Living Labs; Ecosystems; Skills and Competencies; Quadruple Helix Model; Communities of Practice; Strategy; Open Data; Multidisciplinary
"In a world of accelerating change,

open innovation is of growing interest to both researchers and practitioners as a powerful mechanism for understanding and driving renewal of smart service systems and networks. This book provides multiple perspectives on open innovation theory and practice for academic, industry, and government leaders including public policy makers seeking sustainable economic growth. The breadth and depth of the chapters is wonderful stimulation for inspiring needed "adaptive T-shaped makers" of tomorrow's innovation ecosystems." Dr James C Spohrer Director, IBM University Programs (IBM UP) and Cognitive Systems Institute "How best to innovate and

grow in an open internet world economy? This book takes Open Innovation into the real world. Required reading for all who want faster innovation now." Robert Madelin Director-General for DG CONNECT: Communications Networks, Content and Technology, European Commission '

Learning and Collective Creativity

Routledge

This book brings together leading representatives of activity-theoretically-oriented and socioculturally-oriented research around the world, to discuss creativity as a collective endeavour strongly related to learning to face the societal challenges of

our world. As history shows, major accomplishments in arts and technological innovations have allowed us to see the world differently and to identify new learning perspectives for the future which were seldom limited to individual action or isolated activities. This book, while primarily focused on educational institutions, extends its examination of creativity and learning to include other settings (such as government agencies) beyond the limits of schooling.

Information Systems and Technology for Organizational Agility, Intelligence, and Resilience *IGI Global*

Knowledge of scientific and technological

developments, and the flexible communication and decision making, knowledge sharing, and collaboration that stem from them, can enable organizations and individuals to be successful and viable competitors in today's global economy. Information Systems and Technology for Organizational Agility, Intelligence, and Resilience aims to advise and support organizational agents who want ensure success in terms of financial, social, and environmental aspects, as well as in the aspect of human development, in a more sustainable way. The premier reference work provides examples of conceptual research, methodologies, empirical cases, and

success cases for academics, researchers, intermediaries, and organizations looking to use information systems and technology to boost their agility, intelligence, and resilience.

Advanced Computational Methods for Knowledge Engineering *Springer Science & Business Media*

The proceedings consists of 30 papers which have been selected and invited from the submissions to the 2nd International Conference on Computer Science, Applied Mathematics and Applications (ICCSAMA 2014) held on 8-9 May, 2014 in

Budapest, Hungary. The conference is organized into 7 sessions: Advanced Optimization Methods and Their Applications, Queueing Models and Performance Evaluation, Software Development and Testing, Computational Methods for Mobile and Wireless Networks, Computational Methods for Knowledge Engineering, Logic Based Methods for Decision Making and Data Mining and Nonlinear Systems and Applications, respectively. All chapters in the book discuss theoretical and practical issues connected with computational methods and optimization methods for knowledge engineering. The editors hope that this

volume can be useful for graduate and Ph.D. students and researchers in Computer Science and Applied Mathematics. It is the hope of the editors that readers of this volume can find many inspiring ideas and use them to their research. Many such challenges are suggested by particular approaches and models presented in individual chapters of this book.

Routledge Companion to Intelligence Studies *Routledge*

The Routledge Companion to Intelligence Studies provides a broad overview of the growing field of intelligence studies. The recent growth of interest in intelligence

and security studies has led to an increased demand for popular depictions of intelligence and reference works to explain the architecture and underpinnings of intelligence activity. Divided into five comprehensive sections, this Companion provides a strong survey of the cutting-edge research in the field of intelligence studies: Part I: The evolution of intelligence studies; Part II: Abstract approaches to intelligence; Part III: Historical approaches to intelligence; Part IV: Systems of intelligence; Part V: Contemporary challenges. With a broad focus on the origins, practices and nature of intelligence,

the book not only addresses classical issues, but also examines topics of recent interest in security studies. The overarching aim is to reveal the rich tapestry of intelligence studies in both a sophisticated and accessible way. This Companion will be essential reading for students of intelligence studies and strategic studies, and highly recommended for students of defence studies, foreign policy, Cold War studies, diplomacy and international relations in general.

**Fostering 21st
Century Digital
Literacy and
Technical
Competency IGI
Global**

The 21st century has seen an expansion in

digital technology and the ways in which it affects everyday life. These technologies have become essential in the growth of social communication and mass media. *Fostering 21st Century Digital Literacy and Technical Competency* offers the latest in research on the technological advances on computer proficiency in the educational system and society. This collection of research brings together theories and experiences in order to create a common framework and is essential for educators and professionals in the technology fields.

Understanding the Globalization of Intelligence *Springer*

In this concise introduction to the

complexities of contemporary western intelligence and its dynamics during an era of globalization, Adam Svendsen discusses intelligence cooperation in the early 21st century, with a sharp focus on counter-terrorism and WMD counter-proliferation during the 'War on Terror.'

Publications Combined: Over 20 National Intelligence University Studies Focusing On Domestic Intelligence *Jeffrey Frank Jones*

Over 3,300 total pages Introduction: The National Intelligence University is the Intelligence Community's sole accredited, federal degree-granting institution. The main

campus is located in Bethesda, MD and it also has Academic Centers located around the world. The faculty of NIU are subject matter experts from around the intelligence community who bring a wealth of knowledge and practical experience, as well as academic qualifications, to the classroom. Included titles: BRINGING INTELLIGENCE ABOUT Practitioners Reflect on Best Practices ANTICIPATING SURPRISE Analysis for Strategic Warning Learning With Professionals: Selected Works from the Joint Military Intelligence College THE CREATION OF THE NATIONAL IMAGERY AND MAPPING AGENCY: CONGRESS'S ROLE AS OVERSEER The Coast Guard Intelligence Program Enters the Intelligence Community A Case Study of Congressional Influence on Intelligence Community Evolution THE BLUE PLANET INFORMAL INTERNATIONAL POLICE NETWORKS AND NATIONAL INTELLIGENCE TEACHING INTELLIGENCE AT COLLEGES AND UNIVERSITIES SHAKESPEARE FOR ANALYSTS: LITERATURE AND INTELLIGENCE Out of Bounds: Innovation and Change in Law Enforcement Intelligence Analysis Managing the Private Spies Use of Commercial Augmentation for Intelligence Operations Intelligence

Professionalism in the Americas Y: The Sources of Islamic Revolutionary Conduct GLOBAL WAR ON TERRORISM: ANALYZING THE STRATEGIC THREAT SENSEMAKING - A STRUCTURE FOR AN INTELLIGENCE REVOLUTION Finding Leaders Preparing the Intelligence Community for Succession Management EXPERIENCES TO GO: TEACHING WITH INTELLIGENCE CASE STUDIES Democratization of Intelligence Crime Scene Intelligence An Experiment in Forensic Entomology BENEATH THE SURFACE INTELLIGENCE PREPARATION OF THE BATTLESPACE for COUNTERTERRORISM A FLOURISHING CRAFT: TEACHING INTELLIGENCE STUDIES INTELLIGENCE ANALYSIS IN THEATER JOINT INTELLIGENCE CENTERS: AN EXPERIMENT IN APPLYING STRUCTURED METHODS The Common Competencies for State, Local, and Tribal Intelligence Analysts

Team Creativity and Innovation *Oxford University Press*

"For the past two decades, creativity and innovation have been viewed by researchers as critical to organizational success and survival. The purpose of this edited book is to provide a state-of-the-art review of the major concepts, current research, and practice issues related to team creativity and

innovation"--

**The Semantic
Sphere 1** *John Wiley &
Sons*

The new digital media offers us an unprecedented memory capacity, an ubiquitous communication channel and a growing computing power. How can we exploit this medium to augment our personal and social cognitive processes at the service of human development?

Combining a deep knowledge of humanities and social sciences as well as a familiarity with computer science

issues, this book explains the collaborative construction of a global hypercortex coordinated by a computable metalanguage. By recognizing fully the symbolic and social nature of human cognition, we could transform our current opaque global brain into a reflexive collective intelligence.

**ICICKM 2010-
Proceedings of the
7th International
Conference on
Intellectual Capital,
knowledge
Management and
Organisational
Learning** *Academic
Conferences Limited*