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Bridging the Knowledge Divide IGI Global
Help the world bridge the digital divide by learning an easy-to-use method that allows everyone to enjoy the benefits of the Internet using just a phone and their voice. Computer and technology expert Emdad Khan pinpoints the factors that affect the use of technology, including the language divide. While the English-speaking world dominates the Internet, it's

possible for all people to reap its benefits using just their voice in their native language. The Voice Internet ushers in a new era of access to technology. It eliminates the need to learn a new language, is affordable, and overcomes problems associated with many devices, such as needing to use a small keypad and screen. Get ready to learn • how Voice Internet technology rides on existing infrastructure; • how to take further steps to harness the benefits of the Internet; and • how this technology can positively affect economies and cultures. If you are a decision maker, governmental policy

maker, teacher, entrepreneur, philanthropist, or someone concerned with helping humanity enjoy access to the Internet, then this guidebook provides you with the knowledge to take action. Bridge the gaps that limit the usage of technology and open up the Internet for Everyone.

Bridging the Digital Divide World Scientific
"The impressive advances of information and communication technologies (ICT) in some Asian countries have led some people to proclaim a fundamental change in the world economy. It is essential still to study the

experience of developing countries thoroughly and critically. The authors and editors have made an admirable contribution to make such an evaluation and fill a big gap in our knowledge. But it is still relatively difficult to find reliable information about the changes taking place in China or any other developing country. One of the many good features of this evaluation is that it takes into account the specific relationship of ICT with the wider social and economic system and the national system of innovation of each country."

Bridging the Mobile Digital Divide in Sub-Saharan Africa: Costing under Demographic Change and Urbanization OECD Publishing

Today's children are tomorrow's citizens. Good health and well-being in the early years are the foundations for well-adjusted and productive adult lives and a thriving society. But children are being let down in Australia and elsewhere by the lack of knowledge transfer between the worlds of research, policy and practice. Improving such transfer is the job of knowledge brokers - the various ways they can operate are explored in this book through

case examples and the lessons learned from experienced proponents. The book concludes by posing three sets of ideas to shape the future of knowledge brokering. *Technology, Community and Public Policy* iUniverse

A guide that examines the history and current state of 2.5D printing and explores the relationship between two and three dimensions 2.5D Printing: Bridging the Gap Between 2D and 3D Applications examines the relationship between two- and three-dimensional printing and explores the current ideas, methods, and applications. It provides insights about the diversity of our material culture and heritage and how this knowledge can be used to design and develop new methods for texture printing. The authors review the evolving research and interest in working towards developing methods to: capture, measure and model the surface qualities of 3D and 2D objects, represent the appearance of surface, material and textural qualities, and print or reproduce the material and textural qualities. The text reflects information on the topic from a broad range of fields including science, technology, art, design, conservation,

perception, and computer modelling. 2.5D Printing: Bridging the Gap Between 2D and 3D Applications provides a survey of traditional methods of capturing 2.5D through painting and sculpture, and how the human perception is able to judge and compare differences. This important text: Bridges the gap between the technical and perceptual domains of 2D and 3D printing Discusses perceptual texture, color, illusion, and visual impact to offer a unique perspective Explores how to print a convincing rendering of texture that integrates the synthesis of texture in fine art paintings, with digital deposition printing Describes contemporary methods for capturing surface qualities and methods for modelling and measuring, and ways that it is currently being used Considers the impact of 2.5D for future technologies 2.5D Printing is a hands-on guide that provides visual inspiration, comparisons between traditional and digital technologies, case studies, and a wealth of references to the world of texture printing. Please visit the companion website at: www.wiley.com/go/bridging2d3d . www.wiley.com/go/bridging2d3d

Digital Gaps: Bridging Multiple Gaps to Run Cohesive Digital Business Prentice Hall

Bridging the Digital Divide Technology, Community and Public Policy John Wiley & Sons

The Right to Science and States' Obligations to Regulate the Global Science System in the Digital Age IGI Global

Work-based learning is Joe Raelin's unique way of incorporating a number of action strategies—such as action learning, action science, and communities of practice—into a comprehensive framework to help people learn collectively with others. In this thoroughly updated and revised edition, he demonstrates how to engage our reflective powers to challenge those taken-for-granted assumptions that unwittingly hold us back from questioning standard ways of operating. A well-known popular author, Joe is an avid student of the many traditions that support work-based learning, so he presents an inclusive model that has wide appeal across disciplines and occupations. He provides readers with the most recent updates in the field, such as his coverage

of virtual team learning, portfolios, multisource feedback, critical and global action learning, and changes in educational policy. Whether you're an organizational or college educator, this book will help you make learning accessible to everyone—and even contagious within your organization! [Opening Access, Closing the Knowledge Gap?](#) IGI Global

Crossing the Bridge of the Digital Divide: A Walk with Global Leaders explores the combined effect of the rapid growth of information as an increasingly fragmented information base, a large component of which is available only to people with money and/or acceptable institutional affiliations. In the recent past, the outcome of these challenges has been characterized as the "digital divide" between the information "haves" and "have nots" along racial and socio-economic lines that seem to widen as time passes. To address the issues of digital equity and digital inequality in an effort to bridge the digital divide, educational scholars, researchers and practitioners are in positions to ensure equitable opportunities are made available for

people of all ages, races, ability, sexual orientation, and ethnicity in support of social justice for bridging the digital divide. The digital divide addresses issues concerning equal opportunity, equity and access that have an effect on the development of marginalized and otherwise disenfranchised populations within and across systems nationally and internationally. The contributing authors—representing United States, Canada, South Africa, New Zealand, and the UK—posit that education institutions can serve as the bridge to close the digital divide for students who do not have access to information technology in their homes. At a time when more computers are made available in schools than ever before, the digital divide continues to widen and fewer people in the lowest SES groups are given the opportunity to join the world of computer technology and the internet. As a result, the influence of leadership activity on institutional racism, gender discrimination, inequality of opportunity, inequity of educational processes, digital exclusion, and justice have gained currency and attention. The contributing national and international authors

examine the digital divide in terms of social justice leadership, equity and access. It is within this context that the authors offer discussions from a lens of their choice, i.e. conceptual, review of literature, epistemological, etc. By adopting an educational approach to bridging the digital divide, researchers and practitioners can connect and extend long established lines of conceptual and empirical inquiry aimed at improving organizational practices and thereby gain insights that might be otherwise overlooked, or assumed. This holds great promise for generating, refining, and testing theories of leadership for equity and access, and helps strengthen already vibrant lines of inquiry on social justice.

How Information Technology Is Reshaping the Economy Springer

Bridging the Digital Divide investigates problems of unequal access to information technology. The author redefines this problem, examines its severity, and lays out what the future implications might be if the digital divide continues to exist. Examines unequal access to information technology in the United States. Analyses the success or failure of policies designed

to address the digital divide. Draws on extensive fieldwork in several US cities. Makes recommendations for future public policy. Series editor: Manuel Castells.

[Bridging Knowledge and Its Implications for Our Perspectives of the World](#) Walter de Gruyter

This book develops and examines the concepts and strategies for rural empowerment through the formation of a community-driven social knowledge management (SKM) framework aided by social technology. The framework is aimed at mobilizing knowledge resources to bridge the rural-urban knowledge divide while securing rural empowerment using digital connections and social collaborations built on strategies of self-sustenance and self-development. With key empirical findings supplemented by relevant theoretical structures, case studies, illustrative figures and a lucid style, the book combines social technologies and social development to derive a social knowledge management platform. It shows how the proposed SKM framework can enhance knowledge capabilities of rural actors by facilitating connection among rural-urban entities

through formation of purposive virtual communities, which allow social agents to create, modify and share content collaboratively. The volume brings forward diverse issues such as conceptual foundations; bridging the rural-urban knowledge and information divide; issues of information and knowledge asymmetry; a knowledge-theoretic perspective of rural empowerment; knowledge capability, freedom of choice and wellbeing, to provide a comprehensive outlook on building a knowledge society through digital empowerment. This book will be useful to scholars and researchers of development studies, rural sociology, management studies, IT/IS, knowledge management and ICT for development, public policy, sociology, political economy and development economics. It will benefit professionals and policymakers, government and nongovernment bodies and international agencies involved with policy decisions related to application of technologies for rural development, social workers and those in the development sector.

Master Plan SAGE

The digital age has made it easy for

anyone, even those with limited technology proficiency, to create some form of media. With so many different types of media and the sheer volume of information coming from a wide array of sources, media literacy has become an essential skill that can be very difficult to learn and teach. The Handbook of Research on Media Literacy Research and Applications Across Disciplines aims to present cross-disciplinary examinations of media literacy, specifically investigating its challenges and solutions and its implications for P-20 education. An assemblage of innovative findings centered on national and international perspectives, with topics including critical thinking and decision-making processes, smart consumerism, recognizing point-of-view, media influence, responsible media creation, cyber threats, media literacy instruction, among others, this book is ideally designed for educators, researchers, activists, instructional designers, media specialists, and professionals.

Without a Net: Librarians Bridging the Digital Divide IGI Global

Technology has become ubiquitous in

nearly every contemporary situation, while digital media have acquired considerable importance in the lives of young people. Alongside their interest in digital media, schooling constitutes a core component of the life of children and adolescents. Youth's use of digital media creates tensions between traditions and expectations of renewal within the school. The once-sharp divide between school and leisure time is eroding. How will the school as an institution relate to this comprehensive process of change known as the digital revolution? How can the school build a bridge between the world of youth and school material to enable students to learn in a new digital age? This endeavor is named polycontextual bridging in this book. What are the good examples of polycontextual bridging? What novel educational goals can be achieved by net-related activities when incorporated into the school, and how can out-of-school learning be successfully framed by educational purposes? These questions are addressed from different perspectives by several scholars in this book. The chapters in this volume offer the most thorough, up-to-date discussion on

the challenges of technology use in school education. In tackling the critical issues created by technology, this book provides an important resource for student teachers, teachers, education scholars and those interested in a critical examination of digital expectations and experiences in school education. This book is motivated by a pressing need to come to grips with the dilemmas caused by an apparent clash of learning cultures in the individual classroom, in the schools, in the education of teachers, and in the institutions of teacher education. The book is also a tribute to Gavriel Salomon and his research on the cognitive effects of media's symbol systems, media and learning, and the design of cognitive tools and technology-afforded learning environments. The book also contains his masterpiece "It's not just the tool, but the educational rationale that counts". Further, three internationally recognized experts - Howard Gardner, David Perkins, and Daniel Bar-Tal - describe Salomon's remarkable academic contributions. This book is an attempt to explicate, illustrate, and critically examine the idea of polycontextual bridging between youth's

leisure cultures and school material to enable students to learn in a new digital age. The authors do not present a common front on the complex question of the proper use of information and communication technology in the school but instead present a diversity of arguments and viewpoints. The book is an attempt to raise questions and start a debate.

Librarianship as a Bridge to an Information and Knowledge Society in Africa John Wiley & Sons

With the development of information technology, the connotation of the Digital Divide has evolved constantly. At present, we have entered the new era of "Digital Economy" and newer information technologies such as Big Data, Artificial Intelligence, Internet of Things, and Cloud Computing have been widely developed and applied. New technologies should also be included in the measurement of the Digital Divide. At the same time, the physical gap in traditional information technology has been greatly reduced. Under the condition that physical access conditions are similar, the gap in digital technology skills and use is highlighted.

Under such circumstances, the measurement of the Digital Divide should be more concerned with Digital Literacy and Digital Experience. Under the background of the Digital Economy, the existence of the Digital Divide means that there is a huge first-mover advantage for the party at a more advanced position. Countries, regions and communities with faster information development will be able to use information dividends promptly to promote their own economic development. However, the party that is far lagging behind will have fewer opportunities to participate in the information-based Digital Economy. At the same time that economic development is at a disadvantage, because under the new economy condition, more work and social activities are closely related to information technology, therefore, opportunities for the information poor to participate in online education, training, entertainment, shopping and communication have also become fewer, and these have exacerbated social inequalities. In this study, qualitative analysis and quantitative analysis were used to study the Digital Divide evaluation system in the

era of Digital Economy. In the qualitative part of this article, we summarize the definition of Digital Economy, the definition of Digital Divide and the measurement theory of regional Digital Divide by studying the literature, laying a solid theoretical foundation for the research of this article. Starting from the six aspects of Digital Technology Infrastructure, ICT Readiness, Economy Development, Government Innovation Support, Education and Digital Literature, Digital Contents and Applications, we put forward research hypotheses and build the corresponding evaluation system model. In the quantitative research part of this paper, empirical research methods were used to verify the hypothesis and model. Among them, through a large amount of domestic research data collected from China Statistical Yearbook, with SPSS statistical analysis software to process the data, this paper proposes a complete index system of informatization and Digital Divide evaluation in the Digital Economy era and weights distribution for the system, using Factor Analysis, Analytic Hierarchy Process and Expert Interview Methods. On this basis, this article

understands the current situation of informatization development and regional Digital Divide by the calculation of the index. Through the Clustering Analysis and Average Deviation Analysis, we analyze the causes of the Digital Divide formation, understand the gap of regional informatization and digital development, and find the weakness in digital development. Then, we put forward some suggestions that can effectively improve bridging the Digital Divide to solve the "information gap", "knowledge division" and "rich and poor division" between regions due to the development and application level gap. It provides reference for bridging the Digital Divide and promoting regional information, economic and cultural balanced development. This will enable digital technology to be more utilized in the process of promoting the development of the Digital Economy. Giving full play to the connectivity of the Internet will allow the Digital Economy to benefit more regions and enhance the well-being of the entire society.

Bridging the Digital Divide John Wiley & Sons
Competitive strategies and higher

education-industry collaboration policies are playing an important role in fostering the reputation and international rankings of higher education institutions. The positive impact of these policies may best be observed in economic and social outputs of many countries such as the USA, Singapore, South Korea, EU countries, and Turkey. However, the number of academic publications that specifically concentrate on the impact of these policies on higher education institutions and authorities remains relatively limited. Digital Transformation and Internationalization Strategies in Organizations covers a wide range of issues and topics, including employment systems, quality management systems, international ranking systems in higher education, education and language policies in higher education, and business models employed in techno-parks. This book helps higher education institutions manage their manpower and become cognizant of the factors that may exert a drastic impact on their success. It is ideal for managers, executives, IT consultants, researchers, practitioners, academics, professors, and undergraduate and

postgraduate students.

Digital Workplace Learning IGI Global
Recent developments of Internet-based digital technologies have revealed a huge potential of developing open, collaborative and network-centred innovation. However, firms face major challenges in using new technologies for rapid prototyping, data-mining, simulation, visualization, etc. to support their Open Innovation strategies. Responding to the need for further conceptual and empirical research on technology-enhanced open innovation, this book provides fresh and topical insights on how firms from different sectors have successfully implemented digital technologies for Open Innovation. Based on rich empirical data, this book discusses the benefits and drawbacks, the processes, the characteristics and the management practices of ICT-driven Open Innovation in private as well as public organizations.

Bridging the Gap Between Theory and Practice Routledge
The Corona pandemic as never before shows the advantages of Open Science and Open Access (OA), understood as the unrestricted access to research data,

software and publications over the internet. It might prove to become the final push for the long-predicted “access revolution” in the academic publishing system, completing the paradigm shift from a system based on subscriptions to one in which scientific publications are freely available for readers over the internet. This paradigm shift is already underway, with major research funding organisations at the national and international levels massively supporting it. The call for OA has now also been taken up by the Committee on Economic, Social and Cultural Rights, which in its recent General Comment No. 25 on the so-called “right to science” under Art. 15(1)(b) of the ICESCR explicitly asks states to promote OA. Following the line of argument of OA proponents, the Committee finds that OA is beneficial to scientific progress and furthermore a tool to bridge the “knowledge gap”. The aim of this paper is to examine the GC and its implications for the global academic publishing system in the digital age. Analysing and critically assessing the GC, which highlights that “benefitting” from science includes access to science as such

and not only to its material outcomes, the paper argues that the added value of the GC, and indeed the independent meaning of the right to science which so far primarily was seen as an enabler for other social rights, lies in this dimension. However, when it comes to OA, the GC is not nuanced enough. Without closer scrutiny, it assumes that OA is generally beneficial to the right to science. This risks to give the human rights blessing to practices deemed highly problematic by many: The OA model which is about to become the global standard risks to benefit the already privileged, namely researchers and publishers in the Global North, further sidelining those at the margins. Rather than narrowing existing gaps, it risks to further deepen them. A human rights approach to science, the paper concludes, needs to address these global connections and implications rather than to overlook them.

Bridging the Technological Gap Springer

Two experts on the information economy explore the true economic value of technology and innovation. A wave of business innovation is driving the

productivity resurgence in the U.S. economy. In *Wired for Innovation*, Erik Brynjolfsson and Adam Saunders describe how information technology directly or indirectly created this productivity explosion, reversing decades of slow growth. They argue that the companies with the highest level of returns to their technology investment are doing more than just buying technology; they are inventing new forms of organizational capital to become digital organizations. These innovations include a cluster of organizational and business-process changes, including broader sharing of information, decentralized decision-making, linking pay and promotions to performance, pruning of non-core products and processes, and greater investments in training and education. Innovation continues through booms and busts. This book provides an essential guide for policy makers and economists who need to understand how information technology is transforming the economy and how it will create value in the coming decade.

Digital Transformation and Internationalization Strategies in Organizations Bridging the Digital

DivideTechnology, Community and Public Policy

Examines factors that collectively create and sustain the present inequalities in student access to digital technologies, and discusses some of the challenges and opportunities for addressing the issue. The 15 chapters explore philosophical and sociocultural aspects of digital equity, consider the needs of particular populations of learners, and suggest organizational structures and policies for instituting systematic change. Annotation copyrighted by Book News, Inc., Portland, OR.

The Digital Divide World Scientific
Digital connectivity, including through the modern cellular network technologies, is expected to play a key role for the Future of Work in sub-Saharan Africa (SSA). We estimate the cost of introducing a full-scale 4G network by 2025 in SSA and an operable 5G network by 2040. We adapt the costing model of Lombardo (2019) by accounting for the significant demographic transformation and rapid urbanization in SSA. We use the WorldPop and GADM databases and the UN's medium-variant population projections to project the

population densities at the highest level of administrative division for each SSA country in 2025 and 2040. For full 4G connectivity, the required capital and operational costs stands approximately at US\$14 billion by 2025 and for 5G connectivity, costs amount to US\$57 billion in 2040, conditional on having the 4G in place by 2025. These costs roughly translate to 8.4 percent of annual subscriber income, on a median basis, by 2025 for 4G and 4.9 percent of subscriber income by 2040 for 5G. Having the infrastructure in place is not sufficient to bridge the mobile Digital Divide. In addition, policies are needed to address affordability and knowledge gaps.

Bridging Theory and Application Lulu Press, Inc

Contrary to optimistic visions of a free internet for all, the problem of the 'digital divide' – the disparity between those with access to internet technology and those without – has persisted for close to twenty-five years. In this textbook, Jan van Dijk considers the state of digital inequality and what we can do to tackle it. Through an accessible framework based on empirical research, he explores the

motivations and challenges of seeking access and the development of requisite digital skills. He addresses key questions such as: Does digital inequality reduce or reinforce existing, traditional inequalities? Does it create new, previously unknown social inequalities? While digital inequality affects all aspects of society and the problem is here to stay, Van Dijk outlines policies we can put in place to mitigate it. The Digital Divide is required reading for students and scholars of media, communication, sociology, and related disciplines, as well as for policymakers.

Bridging the Digital Divide IGI Global

This collection of articles is the first attempt by academics and professional writers to delve into the world of content management systems. The knowledge economy's greatest asset and primary problem is information management: finding it, validating it, re-purposing it, keeping it current, and keeping it safe. In the last few years content management software has become as common as word-processing software was five years ago. But unlike word processors, which are designed for single authorization and local storage, content management systems

are designed to accommodate large-scale information production, with many authors providing many different pieces of

information kept in a web-accessible database, any piece of which might find its way into electronic documents that the author doesn't even know exist. These

software systems are complex, to say the least, and their impact on the field of writing will be immense.

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