

Smart Cities And The Co Creation Paradigm

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Responsible Design, Implementation and Use of Information and Communication Technology - Marié Hattingh 2020-04-06

This two-volume set constitutes the proceedings of the 19th IFIP WG 6.11 Conference on e-Business, e-Services, and e-Society, I3E 2020, held in Skukuza, South Africa, in April 2020.* The total of 80 full and 7 short papers presented in these volumes were carefully reviewed and selected from 191 submissions. The papers are organized in the following topical sections: Part I: block chain; fourth industrial revolution; eBusiness; business processes; big data and machine learning; and ICT and education Part II: eGovernment; eHealth; security; social media; knowledge and knowledge management; ICT and gender equality and development; information systems for governance; and user experience and usability *Due to the global COVID-19 pandemic and the consequential worldwide imposed travel restrictions and lockdown, the I3E 2020 conference event scheduled to take place in Skukuza, South Africa, was unfortunately cancelled.

Crafting Innovative Places for Australia's Knowledge Economy - Edward J. Blakely 2019-01-07

This book integrates planning, policy, economics, and urban design into an approach to crafting innovative places. Exploring new paradigms of innovative places under the framework of globalisation, urbanisation, and new technology, it argues against state-centric policies to innovation and focuses on how a globalized approach can shape innovative capacity and competitiveness. It notably situates the innovative place making paradigm in a broader

context of globalisation, urbanisation, the knowledge economy and technological advancement, and employs an international perspective that includes a wide range of case studies from America, Europe, Asia, and Australia. Developing a co-design and co-creation paradigm that integrates governments, the private sector and the community into shared understanding and collaborative action in crafting innovative places, it discusses place-based innovation in Australian context to inform policy making and planning, and to contribute to policy debates on programs of smart cities and communities.

The Smart City and the Co-creation of Value - Nobuyuki Tokoro 2015-11-11

The original point that differentiates this text from otherwise similar texts is that it looks at the building of smart cities from the viewpoint of an interchange of knowledge among companies in different industries, or "Ba" as shared context in motion, and emphasizes that the resulting value becomes a source of new corporate competitive advantage. In recent years numerous publications have appeared that analyze smart cities from various perspectives including urban planning and administration, network theory, and innovation. However, few are academic texts that approach the subject from the viewpoint of corporate competitive advantage against a theoretical background in management studies, as this one does. This book is the first full-scale academic work to analyze smart cities from the viewpoint of corporate competitive advantage. Research into corporate competitive advantage includes the positioning and the resource-based views, with the former focusing on companies'

external environment and the latter on their internal resources. Although these theories' foci of attention necessarily differ, they both developed as tools for analyzing companies' relative merits and their chances of succeeding in the marketplace, and they take the common premise that competitive advantage is built through competition among companies. In contrast, this book sees corporate competitive advantage as arising not through competition but through "co-creation" among companies. It differs in its approach from existing theories in thinking that emphasizing co-creation over competition enables an analysis that better describes actual conditions when considering smart cities and corporate competitive advantage. Put another way, when new values arise from attempts to exchange and fuse knowledge, expertise, and other factors at the "ba" where companies from different industries collaborate, these values are surely brought about through co-creation among companies. Another point regarding this book's original perspective on competitive advantage is its emphasis on the relationship between the creation of social value and competitive advantage. The question of the extent to which socially useful values can be created in the markets of the 21st century is closely linked to corporate competitive advantage. The issues of building smart cities and corporate competitive advantage are themes that this perspective can firmly grasp. This book intends to take up three different projects from among the smart-city building developments taking shape in Japan, and undertake case studies based on the theoretical framework outlined above. The central themes will analyze the mechanism of co-creation among companies and the relationship of created value to competitive advantage. This analysis aims to demonstrate one model relating to corporate competitive advantage in the 21st century.

The Right to the Smart City - Paolo Cardullo
2019-06-07

Globally, Smart Cities initiatives are pursued which reproduce the interests of capital and neoliberal government, rather than wider public good. This book explores smart urbanism and 'the right to the city', examining citizenship, social justice, commoning, civic participation, and

co-creation to imagine a different kind of Smart City.

Smart Assisted Living - Feng Chen 2019-08-20
Smart Homes (SH) offer a promising approach to assisted living for the ageing population. Yet the main obstacle to the rapid development and deployment of Smart Home (SH) solutions essentially arises from the nature of the SH field, which is multidisciplinary and involves diverse applications and various stakeholders. Accordingly, an alternative to a one-size-fits-all approach is needed in order to advance the state of the art towards an open SH infrastructure. This book makes a valuable and critical contribution to smart assisted living research through the development of new effective, integrated, and interoperable SH solutions. It focuses on four underlying aspects: (1) Sensing and Monitoring Technologies; (2) Context Interference and Behaviour Analysis; (3) Personalisation and Adaptive Interaction, and (4) Open Smart Home and Service Infrastructures, demonstrating how fundamental theories, models and algorithms can be exploited to solve real-world problems. This comprehensive and timely book offers a unique and essential reference guide for policymakers, funding bodies, researchers, technology developers and managers, end users, carers, clinicians, healthcare service providers, educators and students, helping them adopt and implement smart assisted living systems.

Smart Cities and Digital Transformation - Miltiadis D. Lytras 2023-06-14

Smart Cities and Digital Transformation offers a three-tiered approach to tomorrow's cities in terms of limitless innovation, sustainable development and empowering communities. *New Challenges in Economic Policy, Business, and Management* - Anna Ujwary-Gil 2020-01-01
The first part of this volume broadens the understanding of contemporary industrial policy in local, regional, national, and international contexts. The chapter by Wojnicka-Sycz (2020) undertakes one of the most important challenges in RIS3, i.e. the evaluation of the impact of regional SS industries on the development of Polish regions. Based on the spatial panel models for 2012–2017, she reveals the positive impact of SS industries' employment dynamics on regional GDP per capita. The chapter responds to the research gap in a direct measurement of how SS

areas affect regional development. The results provide the rationale for policy-makers to pursue these strategies further. The chapter contributes to regional New Industrial Policy by proving the efficiency of SS in strengthening regional performance. Factors and barriers to the development of smart mobility in mediumsized Polish cities are the focus of the chapter by Kachniewska (2020). The author applies a comprehensive set of methods to tackle this issue and identifies the conditions for smart mobility, drawing primarily on expert opinions. The results enable a natural generalization of the identified determinants to the similar context of Polish towns, the more important that the research on medium cities is much rarer than studies on metropolises. This contribution belongs to the research streams of city governance and databased services, which are closely connected to and dependent on industrial digital transformation. Moreover, smart mobility addresses the objective of environmental protection, one of the crucial targets of NIP. Godlewska-Dzioboń (2020) performs international comparisons between Central and Eastern European Countries in 2020–2018. Particularly, she focuses on the sectoral transformation of the employment structure in these countries. Besides the important observations of spatial dynamics in sectoral structures, the chapter points to the increased importance of services relative to manufacturing in contemporary structural transformations. Thus, it justifies the expanded scope of New Industrial Policy that encompasses not only industry, recently refreshed with 4.0 Revolution, but also services, particularly the digital ones. The chapter by Czech (2020) identifies the impact of global debt on the national amounts outstanding of credit default swap contracts (CDS) in nonfinancial institutions. She finds the dynamics of the CDS notional amounts outstanding in response to global household indebtedness and total non-financial sector indebtedness in domestic banks. This contribution brings valuable practical insights about the core and dynamics of CDS and their usefulness in alleviating risks in international exchange. We find this input particularly relevant for industries and enterprises operating in global value chains. Widera (2020) performs a spatial analysis of the induced population potential of

the communes in the Opolska region in 2000 and 2018. The econometric analysis revealed both the own potential of the communes and the interactions with neighboring communes to develop this potential. These findings are important to theorize about the bottom-level sources of territorial units' potential, both internal and those stemming from spatial interactions. We find these conclusions relevant to understand local-level origins of regional transformations, as well as interdependencies among local territorial units. The next two parts of this volume present micro-level and bottomup contexts for industrial policy. Particularly, these are the insights from management and business research and from the research on governing various stakeholder interests and networks. In the second part, based on management and business theory and empirical evidence, the authors discuss human resource and technological challenges faced by the contemporary industry. Potoczek (2020) performs a bibliometric research to recognize the advancement of the process approach in organizations. She finds the research on process improvement as emerging. The major research community in that area belongs to the IT field, while management researchers are still a minor group. The author recommends the increased interest from the management field as conducive to the 4.0 transformation of organizational processes. These results provide policy-relevant input to the understanding of how academic research tackles digital transformation in organizational processes. The chapter by Igielski (2020) uses a survey among a sample of large enterprise senior managers headquartered in Poland to check whether and how they develop employee skills for the challenges of Industry 4.0. The results are pessimistic since they reveal the lack of adaptive and developmental actions in this regard. Nevertheless, there is also a positive sign, namely the awareness of the challenges posed by the 4.0 revolution. Thus, the chapter is valuable for the recommendations as to competence development in industrial transition to the digital economy. Flak (2020) presents an interesting test for the system of organizational terms as to its usefulness in the practice of motivating people and in a dedicated software. Based on a research experiment in real-life

business settings, the author proves the applicability of theory-driven organizational terms in software applications supporting managers in their motivating functions. The chapter contributes important observations as to the interrelations among managerial and technological resources in motivating employees. Sztorc (2020) investigates lean management tools at hotels in Poland, based on a large sample of hotel representatives. The results are helpful in understanding the types of lean management tools, as well as their major targets in the researched organizations. The input of the study rests in filling the research gap as to the particular tools of lean management applied in the hotel industry to improve services and processes. The focus of this chapter on a particular industry provides a relevant basis for further application and upgrading of this service sector. The chapter by Mazurkiewicz (2020) offers an assessment of the impact of national culture on career orientation and career values among Polish and Chinese students of economics. Surprisingly, the value system does not differ much between the two national samples, despite the distinct characteristics of the two national cultures, according to Hofstede's method. Consequently, the author assumes national culture as moderator of career values rather than their determinant. These results provide a contribution to the understanding of job motivations among future corporate employees, a critical determinant of all industrial transitions. Kowalik (2020) investigates the economic benefits perceived by student participants of scientific projects. Based on the survey, the author reveals students' recognition of scientific projects as bringing economic effects. The study offers practical implications for young people engaging in research activities, as well as for research policy that might acknowledge additional important outcomes, besides purely scientific objectives. The third part discusses how governing networks and interests can ensure sustainable and socially responsible industries and enterprises. Sectoral and industrial collaborations are supposed to enhance industrial convergence (EOCIC, 2019). In this vein, Lis (2020) focuses on collaborative attitudes in clusters and technological parks. Cluster organizations are established to rip the

localization and agglomeration economies, as well as synergies from cooperative links. Despite some history of operations, the surveyed Polish cluster initiatives and technology parks still reveal low development of enterprise cooperation. The author suggests self-evaluation of management and participants of the researched organizations to understand the accomplished level of collaboration and derive practical implications. This contribution is important to understand the performance of some organizational measures of industrial policy and their real input to industrial transformation. The chapter by Kowalczyk (2020) investigates sociocultural conditions of CSR-practices in the construction industry of selected European countries. Based on a survey with a large convenience sample, the author confirms the strength of stakeholder pressure on CSR practice as well as the mediating role of company culture in this relationship. At the same time, country differences were indicated as significant for CSR practice and worth further explanation of its variance. This study is valuable for the explanation of interests and stakeholder pressure affecting a particular industry, thus determining the development conditions of that industry. Another industry-specific study has been proposed by Kurzak-Mabrouk (2020), who focuses on food businesses. This chapter addresses the critical strategic direction of NIP that refers to sustainable and responsible growth with regard to environmental protection. The author performed the interviews with top and middle managers of a large representative sample of Polish food companies. The findings are optimistic, since the majority of companies undertake the efforts towards comprehensive sustainable development strategies voluntarily, and not only due to legal enforcement. Still, the researched enterprises do not fully apply these strategies as yet. Resonating with the study by Lis (2020), Flieger (2020) identifies network types according to the collaboration maturity level in a local government unit. The research on collaborative networks in public organizations still remains unique. Therefore, this study fills the research gap. The author uses a casebased approach to identify the network features that change according to the maturity level of relationships. The findings are useful for the

practice of developing collaboration in local governments and contribute to our understanding of the context for industrial development.

Distributed, Ambient and Pervasive Interactions - Norbert Streitz 2021-07-07

This conference proceedings LNCS 12782 constitutes the refereed proceedings of the 9th International Conference on Distributed, Ambient and Pervasive Interactions, DAPI 2021, held as part of the 23rd International Conference, HCI International 2021, which took place in July 2021. The conference was held virtually due to the COVID-19 pandemic. The total of 1276 papers and 241 posters included in the 39 HCII 2021 proceedings volumes was carefully reviewed and selected from 5222 submissions. The papers of DAPI 2021, Distributed, Ambient and Pervasive Interactions, are organized in topical sections named: Smart Cities; IoT, Sensors and Smart Environments; Learning and Culture in Intelligent Environments; Designing Intelligent Environments.

Smart Cities and Smart Spaces: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2018-09-07

As populations have continued to grow and expand, many people have made their homes in cities around the globe. With this increase in city living, it is becoming vital to create intelligent urban environments that efficiently support this growth and simultaneously provide friendly and progressive environments to both businesses and citizens alike. *Smart Cities and Smart Spaces: Concepts, Methodologies, Tools, and Applications* is an innovative reference source that discusses social, economic, and environmental issues surrounding the evolution of smart cities. Highlighting a range of topics such as smart destinations, urban planning, and intelligent communities, this multi-volume book is designed for engineers, architects, facility managers, policymakers, academicians, and researchers interested in expanding their knowledge on the emerging trends and topics involving smart cities.

Smart Cities for Sustainable Development - Ram Kumar Mishra 2022-05-25

This book reviews the structure, applications, technologies, governance, environmental

sustainability, smart communities, gender space and other issues related to smart cities. The book is divided into four parts. The first one entails the conceptual background, growth and development. The second part presents diverse issues on smart cities in terms of environmental sustainability, the role of the community, and gender space, among others. The third part revolves around economic and technological issues, and the fourth is a compilation of case studies in connection with smart cities. This collection of diverse issues from different locations presents a holistic view of smart cities contributed by authors who have undertaken research projects and implemented their own unique perspectives and methods. A variety of innovative concepts such as digital governance, polycentric structures, geodata repositories, geoweb services and advanced geospatial technologies in smart city planning, urban microclimatic parameters, and urban heat islands provide invaluable knowledge for researchers and practitioners in these fields.

ECSM2016-Proceedings of the 3rd European Conference on Social Media - Christine Bernadas 2016-06-21

Sustainable Smart Cities - Amjad Almusaed 2023-03-08

Rapid urbanization has led to many problems in cities, including climate change, deteriorating infrastructure, disorganized labor forces, and diminishing resources. This book presents a well-grounded vision for the kind of future city we need to live in by encapsulating the most salient and practical implementations of the many responsibilities and functions that characterize the modern metropolis. Furthermore, this book uses the idea of sustainability to show and analyze many theories and approaches to handling the topic of modern sustainable smart cities, as well as the effects they have on human life and the natural environment through sustainable development objectives and aims supported by the United Nations.

Co-Creation and Smart Cities - Shenja van der Graaf 2021-11-15

Co-creation and Smart Cities: Looking Beyond Technology highlights a more robust value-based perspective on public service development and delivery, helping structure co-creation processes

that foster responsible innovation and a systemic, value-based approach to sustainable urban development.

Setting Foundations for the Creation of Public Value in Smart Cities - Manuel Pedro Rodriguez Bolivar 2019-02-12

This book seeks to contribute to prior research facing the discussion about public value creation in Smart Cities and the role of governments. In the early 21st century, the rapid transition to a highly urbanized population has made societies and their governments around the world to be meeting unprecedented challenges regarding key themes such as sustainability, new governance models and the creation of networks. Also, cities today face increasing challenges when it comes to providing advanced (digital) services to their constituency. The use of information and communication technologies (usually ICTs) and data is thought to rationalize and improve government and have the potential to transform governance and organizational issues. These questions link up to the ever-evolving concept of Smart Cities. In fact, the rise of the Smart City and Smart City thinking is a direct response to such challenges, as well as providing a means of integrating fast evolving technology into our living environment. This focus on the public value creation in Smart Cities could be of interest for academics, researchers, policy-makers, public managers, international organizations and technical experts involved in and responsible for the governance, development and design of Smart Cities

Public Relations and the Power of Creativity - Sarah Bowman 2018-10-04

This volume demonstrates a range of possibilities for creative thinking about public relations management and collaboration in different settings and with different purposes. The chapters hint at opportunities, point towards innovation, and challenge our thinking about the power of creativity.

Transforming City Governments for Successful Smart Cities - Manuel Pedro Rodríguez-Bolívar 2015-07-01

There has been much attention paid to the idea of Smart Cities as researchers have sought to define and characterize the main aspects of the concept, including the role of creative industries in urban growth, the importance of social capital

in urban development, and the role of urban sustainability. This book develops a critical view of the Smart City concept, the incentives and role of governments in promoting the development of Smart Cities and the analysis of experiences of e-government projects addressed to enhance Smart Cities. This book further analyzes the perceptions of stakeholders, such as public managers or politicians, regarding the incentives and role of governments in Smart Cities and the critical analysis of e-government projects to promote Smart Cities' development, making the book valuable to academics, researchers, policy-makers, public managers, international organizations and technical experts in understanding the role of government to enhance Smart Cities' projects.

Artificial Intelligence, Machine Learning, and Optimization Tools for Smart Cities - Panos M. Pardalos 2022-01-09

This volume offers a wealth of interdisciplinary approaches to artificial intelligence, machine learning and optimization tools, which contribute to the optimization of urban features towards forming smart, sustainable, and livable future cities. Special features include: New research on the design of city elements and smart systems with respect to new technologies and scientific thinking Discussions on the theoretical background that lead to smart cities for the future New technologies and principles of research that can promote ideas of artificial intelligence and machine learning in optimized urban environments The book engages students and researchers in the subjects of artificial intelligence, machine learning, and optimization tools in smart sustainable cities as eminent international experts contribute their research results and thinking in its chapters. Overall, its audience can benefit from a variety of disciplines including, architecture, engineering, physics, mathematics, computer science, and related fields.

Advances in the Leading Paradigms of Urbanism and their Amalgamation - Simon Elias Bibri 2020-06-20

This book explores the recent advances in the leading paradigms of urbanism, namely compact cities, eco-cities, and data-driven smart cities, and the evolving approach to their amalgamation under the umbrella term of smart sustainable

cities. It addresses these advances by investigating how and to what extent the strategies of compact cities and eco-cities and their merger have been enhanced and strengthened through new planning and development practices, and are being supported and leveraged by the applied solutions pertaining to data-driven smart cities. The ultimate goal is to advance sustainability and harness its synergistic effects on multiple scales. This entails developing and implementing more effective approaches to the balanced integration of the three dimensions of sustainability, as well as to producing combined effects of the strategies and solutions of the prevailing approaches to urbanism that are greater than the sum of their separate effects in terms of the tripartite value of sustainability. Sustainable urban development is today seen as one of the keys towards unlocking the quest for a sustainable world. And the big data revolution is set to erupt in cities throughout the world, heralding an era where instrumentation, datafication, and computation are increasingly pervading the very fabric of cities and the spaces we live in thanks to the IoT. Big data and the IoT technologies are seen as powerful forces that have tremendous potential for advancing urban sustainability. Indeed, they are instigating a massive change in the way sustainable cities can tackle the kind of special conundrums, wicked problems, and significant challenges they inherently embody as complex systems. They offer a multitudinous array of innovative solutions and sophisticated approaches informed by groundbreaking research and data-driven science. As such, they are becoming essential to the functioning of sustainable cities. Besides, yet knowing to what extent we are making progress towards sustainable cities is problematic, adding to the fragmented, conflicting picture that arises of change on the ground in the face of the escalating rate and scale of urbanization and in the light of emerging ICT and its novel applications. In a nutshell, new circumstances require new responses. This timely and multifaceted book is intended for a wide readership. As such, it will appeal to researchers, academics, urban scientists, urbanists, planners, designers, policy-makers, and futurists, as well as all readers interested in sustainable cities and

their ongoing and future data-driven transformation.

[Designing, Developing, and Facilitating Smart Cities](#) - Vangelis Angelakis 2016-12-04

This book discusses how smart cities strive to deploy and interconnect infrastructures and services to guarantee that authorities and citizens have access to reliable and global customized services. The book addresses the wide range of topics present in the design, development and running of smart cities, ranging from big data management, Internet of Things, and sustainable urban planning. The authors cover - from concept to practice - both the technical aspects of smart cities enabled primarily by the Internet of Things and the socio-economic motivations and impacts of smart city development. The reader will find smart city deployment motivations, technological enablers and solutions, as well as state of the art cases of smart city implementations and services. ·

· Provides a single compendium of the technological, political, and social aspects of smart cities; · Discusses how the successful deployment of smart Cities requires a unified infrastructure to support the diverse set of applications that can be used towards urban development; · Addresses design, development and running of smart cities, including big data management and Internet of Things applications.

Handbook of Research on Strategic Alliances and Value Co-Creation in the Service Industry - Rozenes, Shai 2017-01-06

Value creation is a pivotal aspect of the modern business industry. By implementing these strategies into initiatives and processes, deeper alliances between customers and organizations can be established. The Handbook of Research on Strategic Alliances and Value Co-Creation in the Service Industry is a comprehensive source of scholarly material on frameworks for the effective management of value co-creation in contemporary business contexts. Highlighting relevant perspectives across a range of topics, such as public relations, service-dominant logic, and consumer culture theory, this publication is ideally designed for professionals, researchers, graduate students, academics, and practitioners interested in emerging developments in the service industry.

The Age of Intelligent Cities - Nicos Komninos

2014-08-27

This book concludes a trilogy that began with *Intelligent Cities: Innovation, Knowledge Systems and digital spaces* (Routledge 2002) and *Intelligent Cities and Globalisation of Innovation Networks* (Routledge 2008). Together these books examine intelligent cities as environments of innovation and collaborative problem-solving. In this final book, the focus is on planning, strategy and governance of intelligent cities. Divided into three parts, each section elaborates upon complementary aspects of intelligent city strategy and planning. Part I is about the drivers and architectures of the spatial intelligence of cities, while Part II turns to planning processes and discusses top-down and bottom-up planning for intelligent cities. Cities such as Amsterdam, Manchester, Stockholm and Helsinki are examples of cities that have used bottom-up planning through the gradual implementation of successive initiatives for regeneration. On the other hand, Living PlanIT, Neapolis in Cyprus, and Saudi Arabia intelligent cities have started with the top-down approach, setting up urban operating systems and common central platforms. Part III focuses on intelligent city strategies; how cities should manage the drivers of spatial intelligence, create smart environments, mobilise communities, and offer new solutions to address city problems. Main findings of the book are related to a series of models which capture fundamental aspects of intelligent cities making and operation. These models consider structure, function, planning, strategies toward intelligent environments and a model of governance based on mobilisation of communities, knowledge architectures, and innovation cycles.

[Participatory Design Theory](#) - Oswald Devisch
2018-10-03

In recent years, many countries all over Europe have witnessed a demand for a more direct form of democracy, ranging from improved clarity of information to being directly involved in decision-making procedures. Increasingly, governments are putting citizen participation at the centre of their policy objectives, striving for more transparency, to engage and empower local individuals and communities to collaborate on public projects and to encourage self-organization. This book explores the role of

participatory design in keeping these participatory processes public. It addresses four specific lines of enquiry: how can the use and/or development of technologies and social media help to diversify, to coproduce, to interrupt and to document democratic design experiments? Aimed at researchers and academics in the fields of urban planning and participatory design, this book includes contributions from a range of experts across Europe including the UK, Belgium, the Netherlands, Italy, Denmark, Austria, Spain, France, Romania, Hungary and Finland.

[Computer Aided Systems Theory - EUROCAST 2019](#) - Roberto Moreno-Díaz 2020-04-15

The two-volume set LNCS 12013 and 12014 constitutes the thoroughly refereed proceedings of the 17th International Conference on Computer Aided Systems Theory, EUROCAST 2019, held in Las Palmas de Gran Canaria, Spain, in February 2019. The 123 full papers presented were carefully reviewed and selected from 172 submissions. The papers are organized in the following topical sections: Part I: systems theory and applications; pioneers and landmarks in the development of information and communication technologies; stochastic models and applications to natural, social and technical systems; theory and applications of metaheuristic algorithms; model-based system design, verification and simulation. Part II: applications of signal processing technology; artificial intelligence and data mining for intelligent transportation systems and smart mobility; computer vision, machine learning for image analysis and applications; computer and systems based methods and electronic technologies in medicine; advances in biomedical signal and image processing; systems concepts and methods in touristic flows; systems in industrial robotics, automation and IoT.

Co-Creation for Sustainability - Christopher Ansell 2022-08-02

The ebook edition of this title is Open Access and freely available to read online. *Co-Creation for Sustainability* brings global SDGs to the local level, explaining local co-creation practices, the creation of collaborative platforms, and the empowerment of stakeholders to have a positive collective impact.

Urban Play and the Playable City: A Critical Perspective - Yoram Chisik 2022-02-17

Sharing Cities - Duncan McLaren 2015-11-20

The future of humanity is urban, and the nature of urban space enables, and necessitates, sharing -- of resources, goods and services, experiences. Yet traditional forms of sharing have been undermined in modern cities by social fragmentation and commercialization of the public realm. In *Sharing Cities*, Duncan McLaren and Julian Agyeman argue that the intersection of cities' highly networked physical space with new digital technologies and new mediated forms of sharing offers cities the opportunity to connect smart technology to justice, solidarity, and sustainability. McLaren and Agyeman explore the opportunities and risks for sustainability, solidarity, and justice in the changing nature of sharing. McLaren and Agyeman propose a new "sharing paradigm," which goes beyond the faddish "sharing economy" -- seen in such ventures as Uber and TaskRabbit -- to envision models of sharing that are not always commercial but also communal, encouraging trust and collaboration. Detailed case studies of San Francisco, Seoul, Copenhagen, Medellín, Amsterdam, and Bengaluru (formerly Bangalore) contextualize the authors' discussions of collaborative consumption and production; the shared public realm, both physical and virtual; the design of sharing to enhance equity and justice; and the prospects for scaling up the sharing paradigm through city governance. They show how sharing could shift values and norms, enable civic engagement and political activism, and rebuild a shared urban commons. Their case for sharing and solidarity offers a powerful alternative for urban futures to conventional "race-to-the-bottom" narratives of competition, enclosure, and division.

Beyond Smart Cities - José A. Ondiviela 2021-10-21

Cities are experiencing unprecedented times. In addition to managing the best possible post-pandemic recovery, cities are at the beginning of the 4th industrial revolution, and all want to play a relevant role in it. To achieve this, they must retain and attract the necessary talent. There is a fierce competition where cities transform to become as attractive as possible. But what makes a city attractive (from emotional and rational sides) to talented citizens? For mayors and city directors: how can I prepare my city for

this goal? What kind of transformations in the medium-long term should I develop? And in the short term, what processes and technologies (SmartCity) should I put in place? And from the point of view of citizens: how do I choose the best city to develop my full potential? Which one offers me the best citizenship contract? Where am I going to enjoy the best services with the highest quality of life and lower taxes/cost of life? In addition, the city must be attractive, with a strong identity and dynamism and promising future. Can I find the cities that best suit my aesthetic and emotional preferences, and that also offer me the services that I consider a priority at the lowest cost to my pocket? Find all the answers in this book.

[The Routledge Companion to Smart Cities](#) - Katharine S. Willis 2020-04-10

The Routledge Companion to Smart Cities explores the question of what it means for a city to be 'smart', raises some of the tensions emerging in smart city developments and considers the implications for future ways of inhabiting and understanding the urban condition. The volume draws together a critical and cross-disciplinary overview of the emerging topic of smart cities and explores it from a range of theoretical and empirical viewpoints. This timely book brings together key thinkers and projects from a wide range of fields and perspectives into one volume to provide a valuable resource that would enable the reader to take their own critical position within the topic. To situate the topic of the smart city for the reader and establish key concepts, the volume sets out the various interpretations and aspects of what constitutes and defines smart cities. It investigates and considers the range of factors that shape the characteristics of smart cities and draws together different disciplinary perspectives. The consideration of what shapes the smart city is explored through discussing three broad 'parts' - issues of governance, the nature of urban development and how visions are realised - and includes chapters that draw on empirical studies to frame the discussion with an understanding not just of the nature of the smart city but also how it is studied, understood and reflected upon. The Companion will appeal to academics and advanced undergraduates and postgraduates from across many disciplines

including Urban Studies, Geography, Urban Planning, Sociology and Architecture, by providing state of the art reviews of key themes by leading scholars in the field, arranged under clearly themed sections.

Co-Creation in Theory and Practice - Horvath, Christina 2020-09-09

This innovative book provides a critical analysis of diverse experiences of Co-creation in neighbourhood settings across the Global North and Global South. A unique collection of international researchers, artists and activists explore how creative, arts-based methods of community engagement can help tackle marginalisation and stigmatisation, whilst empowering communities to effect positive change towards more socially just cities. Focusing on community collaboration, arts practice, and knowledge sharing, this book proposes various methods of Co-Creation for community engagement and assesses the effectiveness of different practices in highlighting, challenging, and reversing issues that most affect urban cohesion in contemporary cities.

The Co-Creation Paradigm - Venkat Ramaswamy 2014-04-09

A fundamental shift is underway that will change how we conceive of value. In an era of increasing interconnectedness, individuals, as opposed to institutions, stand at the center of value creation. To adapt to this tectonic shift, organizations can no longer unilaterally devise products and services. They must engage stakeholders—from customers and employees to suppliers, partners, and citizens at large—as co-creators. Co-creation guru Venkat Ramaswamy and Kerimcan Ozcan call for enterprises to be mindful of lived experiences, to build engagement platforms and management systems that are designed for creative collaboration, and to develop "win more-win more" strategies that enhance our wealth, welfare, and, well-being. Richly illustrated with examples of co-creation in action, *The Co-Creation Paradigm* provides a blueprint for the co-creative enterprise, economy, and society, while presenting a conceptual framework that will guide organizations across sectors in adopting this transformational approach. Challenging some of our most deeply held ideas about business and value, this book outlines the

future of "business as usual."

Towards a Sustainable Construction Industry: The Role of Innovation and Digitalisation - Clinton Aigbavboa 2023-04-23

This book gathers papers from the 12th Construction Industry Development Board (CIDB) Postgraduate Research Conference, which was held at the International Convention Centre, East London, Eastern Cape, South Africa, from July 10 to 12, 2022. The conference directly addresses the objectives of SDG9: "Building resilient infrastructure, promoting inclusive and sustainable industrialization and fostering innovation". Moreover, the conference is designed to promote capacity development and transformation within the built-environment space by providing an all-inclusive platform to established and emerging researchers to discuss the recent advancements needed to move the industry forward.

Research and Innovation Forum 2021 - Anna Visvizi 2021-09-20

This book features research presented and discussed during the Research and Innovation Forum (Rii Forum) 2021. The Covid-19 pandemic and its social, political, and economic implications had confirmed that a more thorough debate on these issues and topics was needed. For this reason, the Rii Forum 2021 was devoted to the broadly defined question of the short- and long-term impact of the pandemic on our societies. This volume serves as an essential resource to understand the diverse ways in which Covid-19 impacted our societies, including the capacity to innovate, advances in technology, the evolution of the healthcare systems, business model innovation, the prospects of growth, the stability of political systems, and the future of education.

Organizing for Digital Innovation - Alessandra Lazazzara 2018-06-29

This book presents a collection of research papers exploring the human side of digital innovation management, with a specific focus on what people say and share on social media, how they respond to the introduction of specific IT tools, and how digital innovations are impacting sustainability and inclusion. Given the plurality of views that it offers, the book is particularly relevant for digital technology users, companies, scientists and governments. The overall spread

of digital and technological advances is enhanced or hampered by people's skills, behaviors and attitudes. The challenge of balancing the digital dimension with humans situated in specific contexts, relations and networks has sparked a growing interest in how people use and respond to digital innovations. The content of the book is based on a selection of the best papers – original double-blind peer-reviewed contributions – presented at the annual conference of the Italian chapter of the AIS, which was held in Milan, Italy, in October 2017.

Smart Product-Service Systems - Pai Zheng
2021-06-23

Smart Product-Service Systems draws on innovative practice and academic research to demonstrate the unique benefits of Smart PSS and help facilitate its effective implementation. This comprehensive guide explains how Smart PSS reshapes product-service design in several unique aspects, including a closed-loop product design and redesign manner, value co-creation with integrated human-machine intelligence, and solution design context-awareness. Readers in industry as well as academia will find this to be an invaluable guide to the current body of technical knowledge on Smart Product-Service Systems (Smart PSS), future research trajectories, and experiences of implementation. Rapid development of information and communication technologies, artificial intelligence, and digital technologies have driven today's industries towards the so-called digital servitization era. As a result, a promising IT-driven business paradigm, known as Smart Product-Service Systems (Smart PSS) has emerged, where a large amount of low cost, high performance smart, connected products are leveraged, together with their generated on-demand services, as a single solution bundle to meet individual customer needs. Explains what factors a company needs to consider in their transition towards digital servitization and its advantages Describes how this field relates to the sustainability movement, and how Smart PSS can be implemented in a sustainable way Includes detailed case studies from different industries, including DELTA Electronics Inc. Singapore (smart commercialization), COMAC aviation industry (smart manufacturing servitization), and Van High Tech (smart building

services)

Industrial and Urban Growth Policies at the Sub-National, National, and Global Levels -

Benna, Umar G. 2019-02-19

Recent global shifts in population have led to the fast urbanization of Africa. For Africa and the developing world, choosing the right policy strategies, processes, and tools are essential to turning urban centers into engines of industry and economic prosperity. Industrial and Urban Growth Policies at the Sub-National, National, and Global Levels is a pivotal reference source that examines current and evolving conditions of industrial and urban policies and their relationships around the world, especially between developed and developing economies. While highlighting topics such as the Fourth Industrial Revolution, urban policy, and global common good, this publication seeks to deepen and broaden the understanding of transformation in industrial development and responses to emerging urbanization processes. This book is ideally designed for industrial planners, entrepreneurs, urban development authorities, policymakers, academicians, researchers, and students.

Smart Cities and Tourism: Co-creating experiences, challenges and opportunities -

Dimitrios Buhalis 2022-10-01

Smart cities are cities which use different types of electronic methods and sensors to collect data. With international contributions from well-respected international academics, it brings state-of-art knowledge on marketing management (and related areas e.g., urban studies) from a new modern perspective within the smart cities.

Strategic Innovative Marketing and Tourism -
Androniki Kavoura 2020-03-09

This book covers a very broad range of topics in marketing, communication, and tourism, focusing especially on new perspectives and technologies that promise to influence the future direction of marketing research and practice in a digital and innovational era. Among the areas covered are product and brand management, strategic marketing, B2B marketing and sales management, international marketing, business communication and advertising, digital and social marketing, tourism and hospitality marketing and management, destination branding and cultural

management, and event marketing. The book comprises the proceedings of the International Conference on Strategic Innovative Marketing and Tourism (ICSIMAT) 2019, where researchers, academics, and government and industry practitioners from around the world came together to discuss best practices, the latest research, new paradigms, and advances in theory. It will be of interest to a wide audience, including members of the academic community, MSc and PhD students, and marketing and tourism professionals.

Research Anthology on Smart Grid and Microgrid Development - Management

Association, Information Resources 2021-09-24

Smart grid and microgrid technology are growing exponentially as they are adopted throughout the world. These new technologies have revolutionized the way electricity is produced, delivered, and consumed, and offer a plethora of benefits as well as the potential for further growth. It is critical to examine the current stage of smart grid and microgrid development as well as the direction they are headed as they continue to expand in order to ensure that cost-effective, reliable, and efficient systems are put in place. The Research Anthology on Smart Grid and Microgrid Development is an all-encompassing reference source of the latest innovations and trends within smart grid and microgrid development. Detailing benefits, challenges, and opportunities, it is a crucial resource to fully understand the current opportunities that smart grids and microgrids present around the world. Covering a wide range of topics such as traditional grids, future smart grids, electrical distribution systems, and microgrid integration, it is ideal for engineers, policymakers, systems developers, technologists, researchers, government officials, academicians, environmental groups, regulators, utilities specialists, industry professionals, and students. [Handbook of Planning Support Science](#) - Stan Geertman 2020-02-28

Encompassing a broad range of innovative studies on planning support science, this timely Handbook examines how the consequences of pressing societal challenges can be addressed

using computer-based systems. Chapters explore the use of new streams of big and open data as well as data from traditional sources, offering significant critical insights into the field.

Smarter as the New Urban Agenda - J. Ramon Gil-Garcia 2015-09-07

This book will provide one of the first comprehensive approaches to the study of smart city governments with theories and concepts for understanding and researching 21st century city governments innovative methodologies for the analysis and evaluation of smart city initiatives. The term "smart city" is now generally used to represent efforts that in different ways describe a comprehensive vision of a city for the present and future. A smarter city infuses information into its physical infrastructure to improve conveniences, facilitate mobility, add efficiencies, conserve energy, improve the quality of air and water, identify problems and fix them quickly, recover rapidly from disasters, collect data to make better decisions, deploy resources effectively and share data to enable collaboration across entities and domains. These and other similar efforts are expected to make cities more intelligent in terms of efficiency, effectiveness, productivity, transparency, and sustainability, among other important aspects. Given this changing social, institutional and technology environment, it seems feasible and likeable to attain smarter cities and by extension, smarter governments: virtually integrated, networked, interconnected, responsive, and efficient. This book will help build the bridge between sound research and practice expertise in the area of smarter cities and will be of interest to researchers and students in the e-government, public administration, political science, communication, information science, administrative sciences and management, sociology, computer science, and information technology. As well as government officials and public managers who will find practical recommendations based on rigorous studies that will contain insights and guidance for the development, management, and evaluation of complex smart cities and smart government initiatives.