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Organisation Responsive Open Learning Environments Case Studies of Reform in Mathematics Education Through the Development of Technology-using Teacher Leaders Technology Transfer and Capability in Selected Sectors The Implications of Cost-effectiveness Analysis of Medical Technology: no. 1-17] Background paper no. 2: Case studies of medical technologies. 17 v Cases in Online Interview Research Damping Technologies for Tall Buildings Development Co-operation Report 2021 Shaping a Just Digital Transformation Challenges and Opportunities of Open Educational Resources Management Case Studies: Insights on Agriculture Innovation 2016 A Case Study Analysis of UEC Technologies (PTY) Limited with a Focus on the Growth Strategies Adopted The Convergence of Technologies in the Networking Age Modern Standardization The Role of Knowledge Transfer in Open Innovation The Carbon Chain in Carbon Dioxide Industrial Utilization Technologies State of Wisconsin State Science, Engineering and Technology Project Supply Chain Management Employment, Technology and Construction Development Superconducting Technology Case Study of New Product Development in a Multinational Technology Manufacturing Company Collaborating Online Across Offices in Europe and Asia A Multiple Case Study Analysis of Technology Integration Knowledge by Practicing Elementary Teachers in an Urban Charter School Rediscovering Heritage Through Technology

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In a highly competitive market, digital transformation with internet of things, artificial intelligence, and other innovative technological trends are elements of differentiations and are important milestones in business development and consumer interaction, particularly in services. As a result, there are several new business models anchored in these digital and technological environments and

new experiences provided to services consumers and firms that need to be examined. Impact of Digital Transformation on the Development of New Business Models and Consumer Experience provides relevant theoretical and empirical research findings and innovative and multifaceted perspectives on how digital transformation and other innovative technologies can drive new business models and create valued experiences for consumers and firms. Covering topics such as business models, consumer behavior, and gamification, this publication is ideal for industry professionals, managers, business owners, practitioners, researchers, professors, academicians, and students. This book attempts the challenging task of unravelling the complexities of today's web-based information technology solutions. To achieve this goal, the book provides a guided tour of one specific system, the Moodle learning management system. Using Moodle as the case study, key concepts of computer programming, data storage and databases, web technologies and networking are introduced, emphasising how these technologies work together to achieve the overall solution. The book also introduces the people and organisational contexts around a system like Moodle. It showcases the interrelationships between technologies and people in their varied roles as users, decision makers, developers or system maintainers. The book is directed at readers who are confident in using information technologies (such as browsing the Web) yet have limited understanding of how computers and information technology systems work. It uses informal language to explain complex contexts, supported by sketches and analogies. The book is not a Moodle book in the typical sense. It does not provide a user guide to Moodle, nor does it explain how to teach using Moodle. The book is aimed at readers with interest in understanding information technology solutions. Those readers will gain understanding of key technologies and concepts, transferable to many other systems. Readers with a strong interest in Moodle will gain a solid understanding of how Moodle works, preparing

them for tasks that bridge the interface between users, organisations and developers. The author, Eva Heinrich, holds a masters degree in computer science, a PhD in information systems and a doctorate in education. She teaches computer science and information technology at Massey University, New Zealand, and conducts research into learning technologies and higher education. In the 21st century technology has become an essential part of teaching and learning. This manual provides practical advice on teaching in a wide range of technologies, including the internet and multimedia packages. Using case studies to illustrate the key concepts, this book aims to promote student learning and understanding, and show educators how to use technology to motivate learners and encourage productive interaction. | Introduction

Although the agricultural technology is developing rapidly nowadays, human impacts on the natural environment and global environmental change are still causing the pressing issues, such as food shortage, food safety or health care, which are critical to the human survival and sustainability and urgent for us to figure out the solutions. In 2016, Dr. Tzong-Ru (Jiun-Shen) Lee, the Professor of Marketing Department of Chung Hsing University, Taiwan, and Kuo-Chang Fu, the Chief Operating Officer of Vital Wellspring Education, Singapore, initiated, and Dr. Cheng-I Wei, the Director of International Programs, university of Maryland, USA, called, an international platform has been built for the knowledge exchanging between academicians, researchers, industry players and policymakers in the fields of agriculture, industrial management, food safety, biotechnology, and medical care. Through the sharing of agriculture-related problems and innovative solutions on the annual conference, we hope to spread the useful ideas and to generate the positive impacts on human life further. That is why we decide to publish this book. Through this book, you could gain the information of the international agricultural trend, challenges, and possible solutions. We hope this book will be helpful for you. | Foreword

The

annual International Agriculture Innovation Conference (IAIC) series started in October 2016 as an assembly platform for leading researchers, educators, and developers to present, discuss, and examine various challenging issues relating to agricultural production and innovation. In January 2018, the International Association for Agricultural Sustainability (IAAS) took IAIC under its wing with expectations that IAIC expands its influence by inviting more agriculture-related professionals to participate in conferences. I sincerely welcome you to join our conference and to share your ideas on agriculture sustainability with us. First, I would like to thank the 2016 conference participants who successfully helped us create the IAIC. The IAIC 2016 would not have been successful without their support and cooperation. Next, especially appreciate the assistance and support from the IAIC 2016 conference sponsors — Bethesda Scientific Corporation, Taiwan Organic Ville, Taiwan Lilac Women and Children Welfare Association, Sun-Rise Engineering Consultant Company, Ltd. and Sun Gertain. Last but not least, the keynote speakers of IAIC 2016. This book would not have been published without their efforts and contributions. In order to improve current agricultural circumstances and attain environmental sustainability, agriculture innovation has become the primary strategy nowadays toward achieving these goals. The concept of adapting agricultural innovation to every phase of agricultural production and management is the foundation for this book. This book collects information on various agricultural innovation ideas and technologies that have been applied or are being developed for agricultural operations and management in different countries. I believe this book will provide you with new and inspiring ideas about the future of agriculture development, and illustrate how innovations in methods and techniques influence agriculture production, environmental sustainability, and the quality of people's lives around the world. □ Dr. Cheng-I Wei, Chairman of IAAS □ | Preface In 2016, scholars and experts as keynote

speakers attended in “2016 International Agricultural Innovation Conference, IAIC” presented their researches. In order to share the research works with others, the scholars and experts publish the book “Agriculture Innovation”, and each chapter is described as following. Chapter1 describes agri-industries are challenged with the major task to produce enough food supplies to meet growing demands, and innovation is applied at every phase of agricultural operation, production, management, and marketing. Chapter 2 focuses on agriculture tourism and the types of agricultural tourism activities in Michigan. Chapter 3 describes the definitions associated with urban agriculture, the factor contributing to the recent growth of urban farming in the United States and in Detroit. Chapter 4 introduces the National Institute of Agro biological Sciences, NARO, Japan, mainly about the development of medical model pigs using cloning and genetic recombination technology. Chapter 5 focuses on the accomplishments of Japanese researchers in genomics-based breeding and genome engineering, both aiming to develop desire crops in providing sufficient food to the world population in the 21st century and beyond are introduced. Chapter 6 describes the Finnish innovation system, the Finnish food industry, and Nordic wild berries in Finland. Chapter 7 introduces the new way to operate in the Finnish wild berry business. Chapter 8 focuses on the state of food waste situations and innovation in New Zealand, the seven main concepts also the food chain are covered, food waste reduction initiatives being used in New Zealand along the supply chain, and specific case studies in reducing food waste in New Zealand. Chapter9 introduces traditional and smart packaging methods used in the food packaging industry, the trends that have directly influenced the packaging industry, the most common applications of smart packaging technologies, and the application and acceptance of smart packaging. Chapter 10 mentions current development situation of agriculture in mainland China and innovative development of agriculture in Chinese



mainland. Chapter 11 focuses on innovative agricultural development mode pushes forward China's agriculture modernization and gradually formed a unique development mode featured. Chapter 12 introduces the government policies in developing agriculture in Taiwan with "The New Southbound Policy", "Governmental 'Five-Plus-Two' Policy", "Developing the characteristics of Taiwanese agriculture", "One Town one product", "the operations of agricultural organizations", "cooperation of the industry, official university and research" to enhance the competitiveness of agriculture and to build the agriculture technology advantages. Chapter 13 focuses on increasing the value of Taiwan's agriculture and sustainable development, the government has pursued "agriculture 4.0", "rural regeneration", "innovations in the wholesale market, agriculture online, farmers' market", and "the stray birds project, and production". The authors have expected their researches will make the contribution to the agricultural innovation all over the world. | Contents Foreword Preface Introduction of Authors About IAAS Chapter 01 □ Innovation in Agriculture during Challenging Times □ Cheng-I Wei / Alfreda Wei Chapter 02 □ Agricultural Tourism in Michigan □ Pamela Rae Becker Chapter 03 □ Urban Farming in Detroit □ Pamela Rae Becker Chapter 04 □ New Aspects of Animal Science Research - Contribution to the Medical Field □ Dai-ichiro Fuchimoto / Akio Takenaka Chapter 05 □ Recent Developments of Genomics-based Crop Breeding in Japan □ Takashi Matsumoto / Akio Takenaka Chapter 06 □ Nordic Wild Berries - Superfood for Global Markets □ Pekka Kess Chapter 07 □ Orchestrating International Wild Berry Based Business □ Pekka Kess Chapter 08 □ Food Waste Innovation in New Zealand: Identifying Food Waste Reduction Initiatives along the Food Supply Chain □ Miranda Miroso / Wenting Xu / John Birch Chapter 09 □ Innovations in Smart Packaging for Consumer Confidence, Food Safety and An Improved Supply Chain □ Miranda Miroso / Kayna Lloyd / John Birch Chapter 10 □ Agricultural Innovation in Mainland China □ Zhang Tianzhu / Liu Caixia

/Zhangjie (siyar) / Hou Qian / Yao Kaiqian Chapter 11□Innovative Agricultural Development Mode and Case Analysis in Mainland China□Zhang Tianzhu / Liu Caixia / Zhangjie (siyar) / Hou Qian / Yao Kaiqian Chapter 12□Introduction to Taiwan Agriculture□Tzong-Ru Lee / Chun-Yu Chien Chapter 13□Agricultural Innovation in Taiwan□Tzong-Ru Lee / Chun-Yu Chien

This book is about HCI research in an industrial research setting. It is based on the experiences of two researchers at the IBM T. J. Watson Research Center. Over the last two decades, Drs. John and Clare-Marie Karat have conducted HCI research to create innovative usable technology for users across a variety of domains. We begin the book by introducing the reader to the context of industrial research as well as a set of common themes or guidelines to consider in conducting HCI research in practice. Then case study examples of HCI approaches to the design and evaluation of usable solutions for people are presented and discussed in three domain areas: - item Conversational speech technologies, - item Personalization in eCommerce, and - item Security and privacy policy management technologies

In each of the case studies, the authors illustrate and discuss examples of HCI approaches to design and evaluation that worked well and those that did not. They discuss what was learned over time about different HCI methods in practice, and changes that were made to the HCI tools used over time. The Karats discuss trade-offs and issues related to time, resources, and money and the value derived from different HCI methods in practice. These decisions are ones that need to be made regularly in the industrial sector. Similarities and differences with the types of decisions made in this regard in academia will be discussed. The authors then use the context of the three case studies in the three research domains to draw insights and conclusions about the themes that were introduced in the beginning of the book. The Karats conclude with their perspective about the future of HCI industrial research.

Table of Contents: Introduction: Themes and Structure of the Book

/ Case Study 1: Conversational Speech Technologies: Automatic Speech Recognition (ASR) / Case Study 2: Personalization in eCommerce / Case Study 3: Security and Privacy Policy Management Technologies / Insights and Conclusions / The Future of Industrial HCI Research

The findings from Phase I indicated teacher scores related to statements concerning technology-related components: technology knowledge (Mean = 3.67, SD = .62), technological content knowledge (Mean = 3.67, SD = .45), technological pedagogical knowledge (Mean = 3.74, SD = .68), and technological pedagogical content knowledge (Mean = 3.6, SD = .94) were neutral. Findings from the within-analysis and cross-case analysis revealed that both teachers used all of the components in practice with limited to no use of technological content knowledge. The findings from the within-analysis and cross-case analysis revealed that teachers: (a) had a solid foundation of technology knowledge, (b) had limited knowledge of technological content knowledge, (c) supported pedagogical goals, and (d) addressed student learning needs. In addition, the findings revealed that contextual factors related to the teachers' use of technology integration knowledge were resource-related. The discussion and implications highlighted the need for professional development and up-to-date resources for teachers in urban charter schools. This book contains an interdisciplinary selection of timely articles which cover a wide range of superconducting technologies ranging from high tech medicine (10-12 Gauss) to multipurpose sensors, microwaves, radio engineering, magnet technology for accelerators, magnetic energy storage, and power transmission on the 109 watt scale. It is aimed primarily at the non-specialist and will be suitable as an introductory course book for those in the relevant fields and related industries. As shown in the title several examples of high-c applications are included. While low-T<sub>c</sub> is still the leading technology, for instance, in cables and SQUIDS, case studies in these areas are presented. Academic Paper from the year 2018 in the subject Library Science, Information- /

Documentation Science, grade: 90.0, , language: English, abstract: Computers have become a part and parcel of our everyday life. The consumption of computer has entrenched into each and every facet of human life and no doubt it has made us much more efficient and productive. The purpose of this study is to examine the occupancy rate of computers in the library of University of Wollongong at random time intervals. The observations has been recorded randomly from library by counting the number of computer sets in use at different time intervals throughout the week. The findings of the report states that most of the computers available in the library are in use when observed during the course of week. Findings of the study reveal high usage of computers in the library's ground floor measured by the counting occupied at random time intervals. This research addresses the impact of various practices in supply chain management with EDI and barcoding information technology. While EDI represents the state of art in business forms exchange, bar code represents the state of the art in data collection. Together, these two business solutions, targeted at purchasing, receiving and shipping systems, allow everyone to operate more efficiently and profitably, while reacting more quickly and providing the best customer service available. A case study which examines the effects of EDI and Electronic Order System (EOS) technology at Kang Kuo Company in Republic of China (ROC) is presented. This case study of the Kang Kuo Company provides insights into the use of information technologies through the supply chain in a Taiwan company. By implementing EDI, Barcoding, POS, EOS systems, the Kang Kuo Company has embraced the supply chain management and Quick Response strategies to boost their competitiveness, productivity, and profitability. Case Studies on Information Technology in Higher Education: Implications for Policy and Practice is a collection of cases by researchers and practitioners that investigates examples of integrating IT in higher education, examining both successes and failures in college and university settings. This

timely book offers rare insight into the field of cybersecurity in Russia -- a significant player with regard to cyber-attacks and cyber war. Big Data Technologies for Monitoring of Computer Security presents possible solutions to the relatively new scientific/technical problem of developing an early-warning cybersecurity system for critically important governmental information assets. Using the work being done in Russia on new information security systems as a case study, the book shares valuable insights gained during the process of designing and constructing open segment prototypes of this system. Most books on cybersecurity focus solely on the technical aspects. But Big Data Technologies for Monitoring of Computer Security demonstrates that military and political considerations should be included as well. With a broad market including architects and research engineers in the field of information security, as well as managers of corporate and state structures, including Chief Information Officers of domestic automation services (CIO) and chief information security officers (CISO), this book can also be used as a case study in university courses. First published in 1997, this volume reflects concern about the environmental impact of modern agricultural practices, agriculture's increasing reliance on non-renewable resources, and the long-term productivity of high external-input agricultural systems which has prompted a number of initiatives to promote the adoption and diffusion of more sustainable technologies. For these interventions to be effective, they should be based on an understanding of what induces the producer to switch from conventional to alternative practices. This book provides a review on the determinants of adoption and diffusion of sustainable agricultural technologies, including concepts and theories related to this theme. The Green Revolution in Brazil is examined as a means of establishing the background for an empirical investigation. Data about farms in the State of Espírito Santo are analysed using duration analysis, an econometric technique which allows to assess the

impact of time-varying, economic variables. Thus, adoption is explained as a dynamic process. This book includes a collection of standards-specific case studies. The case studies offer an opportunity to combine the teaching preferences of educators with the goals of the SEC (Standards Education Committee); providing students with “real-world” insight into the technical, political, and economic arenas of engineering. Encourages students to think critically about standards development and technology solutions Reinforces the usage of standards as an impetus for innovation Will help understand the dynamics and impacts of standards A curriculum guide is available to instructors who have adopted the book for a course. To obtain the guide, please send a request to: [ieeeproposals@wiley.com](mailto:ieeeproposals@wiley.com). In an era of constrained research budgets, online interviewing opens up immense possibilities: a researcher can literally conduct a global study without ever leaving home. But more than a decade after these technologies started to become available, there are still few studies on how to utilize online interviews in research. This book provides 10 cases of research conducted using online interviews, with data collected through text-based, videoconferencing, multichannel meetings, and immersive 3-D environments. Each case is followed by two commentaries: one from another expert contributor, the second from Janet Salmons, as editor. Education is a fundamental human right, yet much of the world's population lives with poor literacy. Due to rapidly growing technology and internet usage, open educational resources (OER) are increasingly being used to help transcend barriers to literacy while also aiding in educational attainment. With tremendous developments in ICTs, the education system of today has been enriched by various OERs. The optimal utilization of opportunities provided by the technological developments presents a profound challenge for education systems and has serious implications involving cost, access, equity, pedagogy, and quality. Challenges and Opportunities of Open

Educational Resources Management is an essential research publication that explores access to information and societal and economic hurdles that contribute to informational inaccessibility. Highlighting topics such as e-resources, digital libraries, and information management, this book is ideal for librarians, academicians, computer scientists, researchers, policymakers, and students. Moreover, the book will provide insights and support executives concerned with the management of expertise, knowledge, information, and organizational development in different types of work communities and environments. Damping Technologies for Tall Buildings provides practical advice on the selection, design, installation and testing of damping systems. Richly illustrated with images and schematics, this book presents expert commentary on different damping systems, giving readers a way to accurately compare between different device categories and gain and understand the advantages and disadvantages of each. In addition, the book covers their economical and sustainability implications. Case studies are included to provide a direct understanding on the possible applications of each device category. Provides an expert guide on the selection and deployment of the various types of damping technologies Drawn from extensive contributions from international experts and research projects that represent the current state-of-the-art and design in damping technologies Includes 25+ real case studies collected with very detailed information on damping design, installation, testing and other building implications This book includes a collection of standards-specific case studies. The case studies offer an opportunity to combine the teaching preferences of educators with the goals of the SEC (Standards Education Committee); providing students with “real-world” insight into the technical, political, and economic arenas of engineering. Encourages students to think critically about standards development and technology solutions Reinforces the usage of standards as an impetus for innovation Will help understand the dynamics

and impacts of standards A curriculum guide is available to instructors who have adopted the book for a course. To obtain the guide, please send a request to: [ieeeproposals@wiley.com](mailto:ieeeproposals@wiley.com). Digital transformation is revolutionising economies and societies with rapid technological advances in AI, robotics and the Internet of Things. Low and middle-income countries are struggling to gain a foothold in the global digital economy in the face of limited digital capacity, skills, and fragmented global and regional rules. The ways in which codified and tacit knowledge are sourced, transferred, and combined are critical in furthering open innovation. When used effectively, knowledge sharing and organizational success are significantly increased, improving products and services. The Role of Knowledge Transfer in Open Innovation is a collection of innovative research on a set of analyses, reflections, and recommendations within the framework of knowledge transfer practices in different areas of knowledge and in various industries. While highlighting topics including tacit knowledge, organizational culture, and knowledge representation, this book is ideally designed for professionals, academicians, and researchers seeking current research on the best practices for transfer of knowledge as an intermediate open innovation. This book presents the outcomes of four years of educational research in the EU-supported project called ROLE (Responsive Online Learning Environments). ROLE technology is centered around the concept of self-regulated learning that creates responsible learners, who are capable of critical thinking and able to plan their own learning processes. ROLE allows learners to independently search for appropriate learning resources and then reflect on their own learning process and progress. To accomplish this, ROLE's main objective is to support the development of open personal learning environments (PLE's). ROLE provides a framework consisting of "enabler spaces" on the one hand and tools, content, and services on the other. Utilizing this framework, learners are invited to create their own controlled and preferred



learning environments to trigger and motivate self-regulated learning. Authors of this book are researchers, developers and teachers who have worked in the ROLE project and belong to the ROLE partner consortium consisting of 16 internationally renowned research institutions, including those from 6 EU countries and China. Chapters include numerous practical tutorials to guide the reader in creating innovative and useful learning widgets and present the best practices for the development of PLE's. Written by prominent thought leaders in the global fintech and legal space, The LegalTech Book aggregates diverse expertise into a single, informative volume. Key industry developments are explained in detail, and critical insights from cutting-edge practitioners offer first-hand information and lessons learned. Coverage includes:

- The current status of LegalTech, why now is the time for it to boom, the drivers behind it, and how it relates to FinTech, RegTech, InsurTech, WealthTech and PayTech
- Applications of AI, machine learning and deep learning in the practice of law; e-discovery and due diligence; AI as a legal predictor
- LegalTech making the law accessible to all; online courts, online dispute resolution
- The Uberization of the law; hiring and firing through apps
- Lawbots; social media meets legal advice
- To what extent does LegalTech make lawyers redundant or more efficient?
- Cryptocurrencies, distributed ledger technology and the law
- The Internet of Things, data privacy, automated contracts
- Cybersecurity and data
- Technology vs. the law; driverless cars and liability, legal rights of robots, ownership rights over works created by technology
- Legislators as innovators
- Practical LegalTech solutions helping Legal departments in corporations and legal firms alike to get better legal work done at lower cost

With the proliferation of technology, science became a medium used to create and interpret heritage in a way that redefines human achievements. The recent advances in technology are providing us with a variety of tools aimed at exploring, experiencing and interacting with heritage in a completely new way, which was

unimaginable up until a few decades ago. Suddenly, heritage has become accessible and exciting to those who might not have previously considered it interesting. This book presents a selection of approaches in various topics such as artificial intelligence, gamification, and virtual and augmented reality, and uses practical examples to show how they can be deployed in real-world scenarios. As such, it inspires a wide variety of stakeholders and helps them experience our common heritage through a new lens. Companies from various sectors of the economy are confronted with the new phenomenon of digital transformation and are faced with the challenge of formulating and implementing a company-wide strategy to incorporate what are often viewed as “disruptive” technologies. These technologies are sometimes associated with significant and extremely rapid change, in some cases with even the replacement of established business models. Many of these technologies have been deployed in unison by leading-edge companies acting as the catalyst for significant process change and people skills enhancement. The Handbook of Research on Digital Transformation, Industry Use Cases, and the Impact of Disruptive Technologies examines the phenomenon of digital transformation and the impact of disruptive technologies through the lens of industry case studies where different combinations of these new technologies have been deployed and incorporated into enterprise IT and business strategies. Covering topics including chatbot implementation, multinational companies, cloud computing, internet of things, artificial intelligence, big data and analytics, immersive technologies, and social media, this book is essential for senior management, IT managers, technologists, computer scientists, cybersecurity analysts, academicians, researchers, IT consultancies, professors, and students. New drugs, new devices, improved surgical techniques, and innovative diagnostic procedures and equipment emerge rapidly. But development of these technologies has outpaced evaluation of their safety, efficacy, cost-effectiveness, and ethical

and social consequences. This volume, which is "strongly recommended" by The New England Journal of Medicine "to all those interested in the future of the practice of medicine," examines how new discoveries can be translated into better care, and how the current system's inefficiencies prevent effective health care delivery. In addition, the book offers detailed profiles of 20 organizations currently involved in medical technology assessment, and proposes ways to organize U.S. efforts and create a coordinated national system for evaluating new medical treatments and technology. This title was first published in 2000: An in depth analysis of employment and technology issues in the housing and construction industries of developing countries, in the context of globalization of economies and increased opportunities for advanced technology transfer. Supported by case studies from Asia including the misallocation of resources that led to the Asian crisis of 1997 and the experience of Shanghai in advanced technology transfer. Ganesan advances a number of strategies to achieve higher employment creation, a proper mix of resources and sustained growth. "A multi-year case study examined new product development (NPD) processes in a multinational corporation (MNC) that spanned three continental regions: Europe, Asia-Pacific and USA. The MNC designs and produces display/monitoring systems used by the military, news broadcasters, the TV entertainment industry, and movie producers. NPD was known to be risky with a high failure rate, as cited in the existing literature, and recently observed at the case study MNC"--Abstract. A shift towards implementation of renewable energy has disadvantages, such as power availability, storage capacity, and accompanying costs, and therefore the potential of clean fossil fuel technologies to ensure the stability of electricity generation needs to be reconsidered until these challenges will be overcome. These clean technologies can help prevent the greenhouse effect and, at the same time, guarantee energy security, as coal is a widespread, price-stable raw material that

is available in large quantities. This book focuses on the carbon chain, starting from the formation of CO<sub>2</sub>, through its capture, possible cleaning, to the production of useful products such as dimethylether, methanol, and carbonated cement prefabricates. The comprehensive case study presents the research results of an international team established within the "CCS-CCU technology for carbon footprint reduction using bio-adsorbents" (BIOCO<sub>2</sub>) project.

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