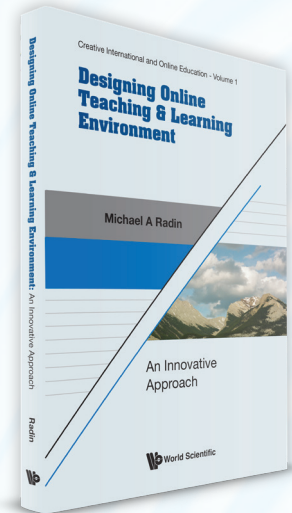
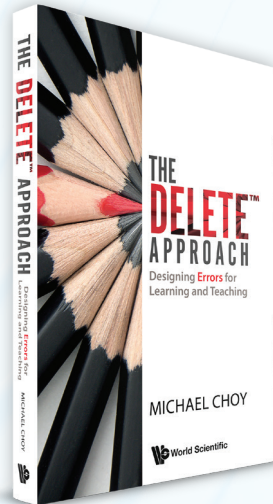
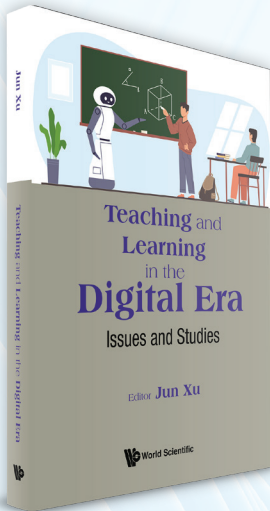


Now available on WorldSciNet

# EDUCATION



Available in Print and Digital



## Teaching and Learning in the Digital Era

Issues and Studies

edited by **Jun Xu** (*King's Own Institute, Australia*)

This compendium looks at the current status and practices of teaching and learning facilitated/enabled by digital technologies, reviews challenges/issues associated with classroom teaching, online teaching and hybrid-learning, and discusses success factors and future directions of teaching and learning in the digital era. The book also provides a number of studies at different perspectives of using digital technologies for teaching and learning.

This useful reference text benefits teaching staff or administrators at education institutions (especially higher education providers) to update their professional knowledge and skills.

**Readership:** Researchers, professionals, academics and graduate students in AI/Machine Learning, databases and digital security.

**364pp** **Apr 2024**  
**978-981-128-561-5** **US\$148** **£135**  
**978-981-128-563-9(ebook)** **US\$118** **£110**

## The DELETE™ Approach

Designing Errors for Learning and Teaching

by **Michael Choy** (*Tech Tree, Singapore*)

This book describes a new pedagogical approach to learning design by intentionally designing and incorporating errors into learning experiences. DELETE™ stands for Designing Errors for Learning and Teaching and it is an approach that targets the roles that errors can play in establishing the contextual boundaries of rules and operating procedures for learners. With clarity of boundaries, learners understand the context under which rules apply and don't apply, resulting in the development of competencies and capabilities and, subsequently, expertise.

The book provides stories and experiences as well as actual resources (e.g., case studies, critical incidents, Math problem sums) demonstrating the use of DELETE™ when designing lesson plans, learning resources and assessment items.

**Readership:** Educators and training providers looking for a new pedagogical approach to learning designs.

**456pp** **Oct 2023**  
**978-981-127-806-8** **US\$68** **£65**  
**978-981-127-808-2(ebook)** **US\$54** **£50**

Creative International and Online Education - Vol 1

## Designing Online Teaching & Learning Environment

An Innovative Approach

by **Michael A Radin** (*Rochester Institute of Technology, USA*)

This book first presents the evolution of education, from traditional face-to-face to the current remote and online education and its various iterations. The author shares experiences and insights on the most effective teaching techniques in both environments, some recent approaches, and highlights where there is need for continued improvement. Educators are provided with practical suggestions and examples to aid them in the design, promotion, and teaching of online courses worldwide.

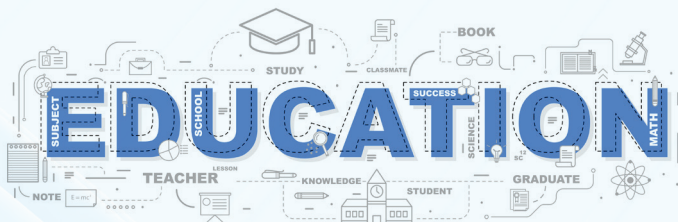
The reader is invited on a hands-on journey to discover the potential of the online educational experience, with thought-provoking questions to encourage reflection and growth along the way.

**Readership:** Undergraduate and graduate students in education, university courses in pedagogy or business programs, students taking online courses.

**248pp** **Oct 2023**  
**978-981-127-423-7** **US\$88** **£80**  
**978-981-127-530-2(pbk)** **US\$48** **£45**  
**978-981-127-425-1(ebook)** **US\$38** **£35**

More titles at <https://www.worldscientific.com/page/education>





WSPC-ECNU Series on China - Vol 8

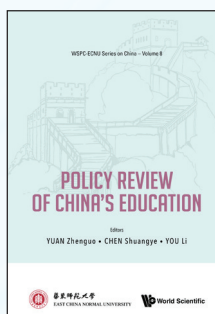
## China's Education Policy Review (2018 – 2021)

edited by **Zhenguo Yuan, Shuangye Chen & Li You** (*East China Normal University, China*)

*China's Education Policy Review (2018 – 2021)* collects important researches of China's education policies mainly conducted by the academics at East China Normal University (ECNU) in recent years. The book covers various aspects of educational policy studies in China including Regulatory Policies on Private Supplementary Tutoring in China, Accelerated Move for AI Education in China, New Higher Education Policy, non-governmental education, etc. It showcases the significant contributions to scholarship in education policies studies in China.

**Readership:** Policymakers, academics, professionals, undergraduate and graduate students interested in Chinese education.

300pp  
**978-981-124-663-0**      **May 2024**  
**US\$88**      **£80**  
**978-981-124-665-4(ebook)**      **US\$70**      **£65**

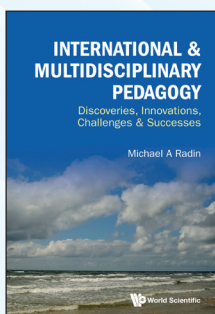


## International & Multidisciplinary Pedagogy Discoveries, Innovations, Challenges & Successes

by **Michael A Radin** (*Rochester Institute of Technology, USA*)

The book's primary objectives are to welcome you to the abundant and meaningful international and multidisciplinary education discovery journey. The book will provide practical examples how to design, promote and teach various courses and seminars abroad. Most importantly, the book will focus on applying feedback as vital tools that will guide us to the designing, promoting and teaching mathematics and multidisciplinary courses and seminars. The book's most important goal is to make international and multidisciplinary education accessible to everyone.

172pp  
**978-981-126-107-7**      **Jan 2023**  
**US\$78**      **£70**  
**978-981-126-211-1(pbk)**      **US\$38**      **£35**  
**978-981-126-109-1(ebook)**      **US\$30**      **£30**



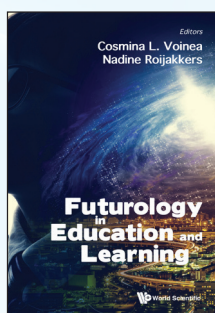
## Futurology in Education and Learning

edited by **Cosmina L Voinea & Nadine Roijackers** (*Open University of the Netherlands, The Netherlands*)

The book represents an accessible and comprehensive point of reference for both the academic and the practitioner world in showing how education can be transformed and innovated to become more sustainable and resilient. The recent covid crisis shows that the education system and approaches used are not sustainable but can be ambushed and reactive. This is a unique book that offers new empirical insights for practitioners and policy makers of the field. Our approach in designing this book was a critical reflection of field expertise and scholarly experience, tailored to the knowledge needs dictated by the novelty and complexity of the topic.

**Readership:** Academics, practitioners and policy makers in the field of Education.

156pp  
**978-981-126-885-4**      **Jan 2023**  
**US\$68**      **£65**  
**978-981-126-889-2(ebook)**      **US\$54**      **£50**



Exploring Complexity - Vol 9

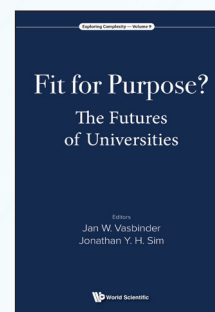
## Fit for Purpose?

The Futures of Universities

edited by **Jan Wouter Vastbinder** (*Para Limes, The Netherlands*) & **Jonathan Y H Sim** (*National University of Singapore, Singapore*)

Schools and universities educate (mostly young) people, to equip them to deal with the future as it unfolds from the present. The question is whether these schools and universities are fit for that purpose even in slow-paced times of relative stability. In this book, ten leading thinkers and eighteen students from different continents, countries and cultures present their views on futures of universities and whether present-day universities are fit for purpose. It is an exploration, meant to inform, inspire and crystallize discussions.

288pp  
**978-981-126-891-5**      **Dec 2022**  
**US\$48**      **£45**  
**978-981-126-895-3(ebook)**      **US\$38**      **£35**



Digital Transformation: Accelerating Organizational Intelligence - Vol 1

## Digital Transformation for the University of the Future

edited by **Jay Liebowitz** (*Seton Hall University, USA*)

With the COVID-19 pandemic, we have seen universities worldwide having to "pivot" quickly to transform their education delivery to an online environment, as well as having to conduct their business operations virtually/remotely. For those universities who embraced digital transformation, they were able to adapt quickly to this new learning environment. This book will highlight what is needed in terms of digital transformation for the universities of the future in terms of technologies, processes, culture, and leadership considerations.

268pp  
**978-981-125-414-7**      **Sep 2022**  
**US\$98**      **£90**  
**978-981-125-416-1(ebook)**      **US\$78**      **£70**



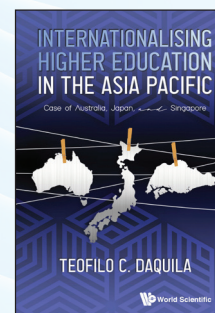
## Internationalising Higher Education in the Asia Pacific

Case of Australia, Japan and Singapore

by **Teofilo C Daquila** (*National University of Singapore, Singapore*)

This book is highly recommended for anyone interested in the internationalisation of higher education, its determinants and multiple perspectives, the competitiveness and internationalisation experiences and strategies of universities. Daquila examines three leading universities in the world as case studies to determine their internationalisation experiences and the extent of their competitiveness. These are the University of Melbourne, the National University of Singapore, and Kyoto University.

328pp  
**978-981-125-221-1**      **Sep 2022**  
**US\$118**      **£110**  
**978-981-125-223-5(ebook)**      **US\$94**      **£85**



More titles at

<https://www.worldscientific.com/page/education>



**FIND THESE BOOKS VALUABLE TO YOUR COMMUNITY? RECOMMEND THEM TO YOUR LIBRARIAN.**



## Adult Learning and Decision Making

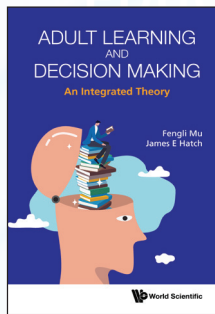
An Integrated Theory

by **Fengli Mu** (*China University of Political Science and Law, China*) & **James E Hatch** (*Western University, Canada*)

Lifelong learning assists us in having a successful career, promotes mental health, and helps us to adapt to the constant changes we experience. Rapid changes in our technological and social environment mean that we must learn more and learn faster than ever before. Given the importance of learning, it is essential to understand what we learn and how we learn. These learning elements and the relationships among them can best be understood through a theory of adult learning. The goal of this book is to propose such a theory.

**Readership:** Academics in fields of education and psychology; students in fields of education and psychology; instructors of adult education; researchers on teaching and learning.

**288pp** **Feb 2023**  
**978-981-126-183-1** **US\$98** **£90**  
**978-981-126-185-5(ebook)** **US\$78** **£70**



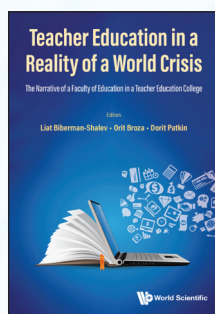
## Teacher Education in a Reality of a World Crisis

The Narrative of a Faculty of Education in a Teacher Education College

edited by **Liat Biberman-Shalev** (*Levinsky College of Education, Israel*), **Orit Broza** (*Levinsky College of Education, Israel*) & **Dorit Patkin** (*Levinsky College of Education, Israel*)

The COVID-19 pandemic outbreak has affected the entire globe and various countries worldwide have faced educational crises that entailed the re-organization of educational institutions for coping with the complex reality. The proposed book aims to shed light on the way a faculty of education has been organized in this reality of crisis. The anthology of the book chapters enables readers to become aware of generic challenges and ways of coping in compliance with the education programs offered by the faculty.

**356pp** **Jun 2022**  
**978-981-125-731-5** **US\$118** **£110**  
**978-981-125-733-9(ebook)** **US\$94** **£85**



East China Normal University Scientific Reports - Vol 15

## Achieving Greater Educational Impact through Data Intelligence

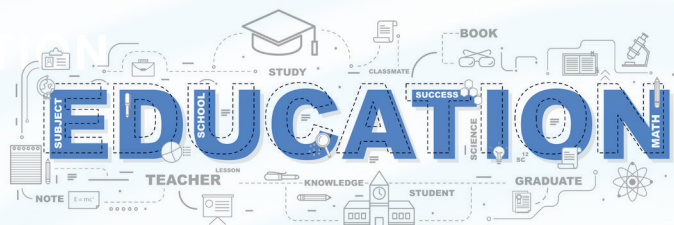
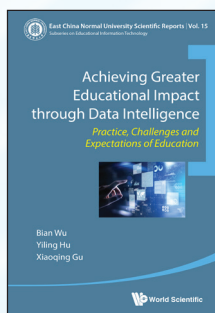
Practice, Challenges and Expectations of Education

by **Bian Wu** (*East China Normal University, China*), **Yiling Hu** (*East China Normal University, China*) & **Xiaoqing Gu** (*East China Normal University, China*)

What is data intelligence? How can data intelligence influence education system systematically? The paradigm shift of scientific research implies a coming age of data-driven educational research and practice. This book presents research and practice of data intelligence in education from three levels: (i) educational governance, (ii) teaching practice, and (iii) student learning. Each chapter gives an analysis of fundamental knowledge, key themes, the state-of-the-art technologies and education application cases. This interdisciplinary book is essential reading for anyone interested in applying big data technology in education.

**Readership:** Advanced undergraduate and graduate students, and researchers in the fields of education technology, education administration and learning science, as well as K-12 teachers and school principals.

**216pp** **Dec 2021**  
**978-981-123-290-9** **US\$88** **£80**  
**978-981-123-292-3(ebook)** **US\$70** **£65**



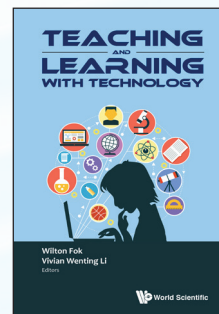
## Teaching and Learning with Technology

Proceedings of the 2016 Global Conference on Teaching and Learning with Technology (CTLT 2016)

edited by **Wilton Fok** (*The University of Hong Kong, Hong Kong*) & **Vivian Wenting Li** (*Aventis School of Management, Singapore*)

This is the conference proceedings for the 2016 Global Conference on Teaching and Learning with Technology (CTLT 2016), hosted by Aventis School of Management, Singapore. It includes papers by a group of international academics and researchers. It covers the most interesting ideas and applications related to the innovative use of technology within different learning environments. Includes the most recent research findings in the field of education and learning, with a special emphasis on the technological aspect.

**332pp** **Mar 2017**  
**978-981-3148-81-9** **US\$148** **£123**  
**978-981-3148-83-3(ebook)** **US\$118** **£98**



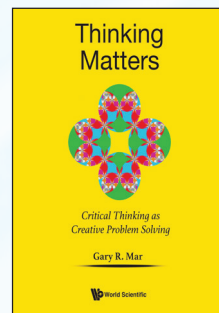
## Thinking Matters

Critical Thinking as Creative Problem Solving

by **Gary R Mar** (*Stony Brook University, USA*)

Any course in a university should do more than teach information — in nearly every field, 'facts' become obsolete quickly. The goals of *Thinking Matters* are to help you to be more creative, fluid, and perceptive in solving problems. The first module *Thinking Matters: Critical Thinking as Creative Problem Solving* introduces the student to all the topics — logic, probability, argument forms and fallacies, ethical reasoning, algorithms, and computational thinking — through logic puzzles and games and mathematical magic tricks.

**232pp** **Aug 2021**  
**978-981-121-684-8** **US\$98** **£90**  
**978-981-121-624-4(pbk)** **US\$48** **£45**  
**978-981-121-626-8(ebook)** **US\$38** **£35**



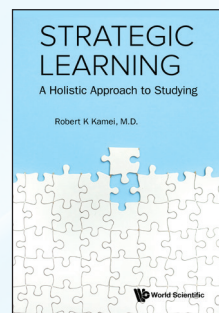
## Strategic Learning

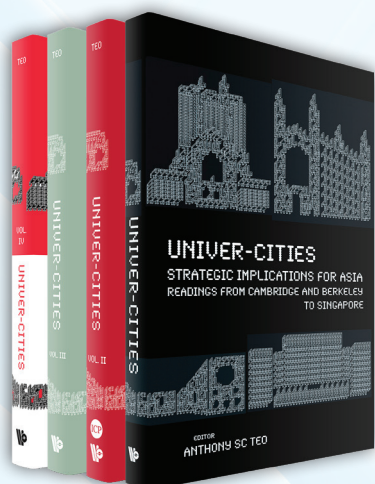
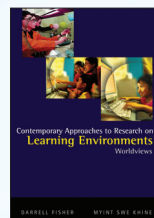
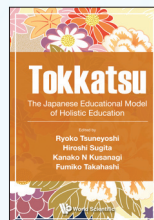
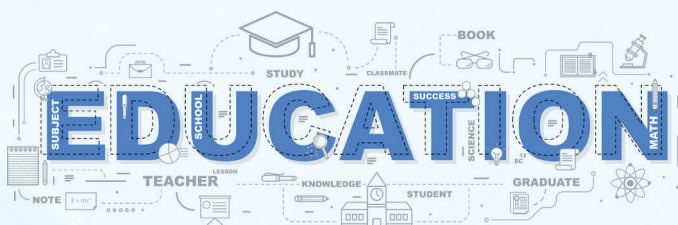
A Holistic Approach to Studying

by **Robert K Kamei** (*National University of Singapore, Singapore & Duke University, USA*)

Most "how to learn" books focus only on study techniques. However, knowing these study techniques doesn't guarantee they will be successfully implemented. This book takes learners through the author's holistic method to help students learn better and meet whatever learning challenges they face. Learners of all ages who wish to optimize their learning will benefit from this book, as well as educators seeking an approach to help their students learn better.

**200pp** **Aug 2021**  
**978-981-122-663-2** **US\$58** **£55**  
**978-981-122-777-6(pbk)** **US\$28** **£25**  
**978-981-122-665-6(ebook)** **US\$14.95** **£14.95**





Univer-Cities

## Univer-Cities

(In 4 Volumes)

**Volume I: Strategic Implications for Asia**

**Volume II: Strategic View of the Future**

**Volume III: Strategic Dilemmas of Medical Origins and Selected Modalities**

**Volume IV: Reshaping Strategies to Meet Radical Change, Pandemics and Inequality**

edited by **Anthony SC Teo** (Singapore University of Social Sciences, Singapore)

*"An excellent piece of work with significance to our times and global higher education today. The intricate symbiosis and stories between universities in cities hosting them are cleverly captured by the contributors. All great universities need their cities and vice versa."*

**Winnie Eley, Pro Vice-Chancellor (International and Advancement), University of Newcastle, Australia**

The Univer-Cities series serves as a reference for academic leaders and graduands who seek to understand the symbiotic role of universities and cities in our disruptive world. The series presents case studies of exemplary Asian universities uplifting the well-being of their communities including the National University of Singapore, Nanyang Technological University, Universiti Malaya, Universiti Kebangsaan Malaysia, Peking University, Tsinghua University, Hong Kong University, Hong Kong University of Science and Technology, and University of Newcastle, Australia. Established universities in the Western world such as University of California, Berkeley, MIT, Cambridge University and University of Zurich and their societal contributions are also covered in this series.

This series calls for the university leadership to tap on their research capabilities for community advancement, urban planning, innovation systems and regional economic growth.

**Readership:** Academic leadership of Institutions of Higher Learning, educators, campus planners, architects, place-making consultants, city planners, mayors, futurists, policy analysts in think tanks.

1060pp	Jan 2001	
978-981-124-895-5(Set)(pbk)	US\$160	£145
978-981-124-897-9(Set)(ebook)	US\$98	£98

## Tokkatsu

The Japanese Educational Model of Holistic Education

edited by **Ryoko Tsuneyoshi** (University of Tokyo, Japan), **Hiroshi Sugita** (Kokugakuin University, Japan), **Kanako N Kusanagi** (University of Tokyo, Japan) & **Fumiko Takahashi** (University of Tokyo, Japan)

Though there has been much discussion on the academic aspects of Japanese education abroad (e.g., high scores on international tests, lesson study), there has been little information on the non-academic aspects of Japanese schooling. This non-academic aspect is called Tokkatsu (tokubetsu katsudo). These activities include classroom activities such as discussions, morning and afternoon meetings, and more, bound together by the common goals of the Tokkatsu framework. This book is the foremost attempt to address a gap in English literature on Tokkatsu.

344pp	Nov 2019	
978-981-3232-66-2	US\$124	£115
978-981-121-417-2(pbk)	US\$38	£35
978-981-3232-68-6(ebook)	US\$19.95	£19.95

## The Case for Cases: Teaching with Cases

How to Teach Using the Case Method

by **Philip Zerrillo** (Singapore Management University, Singapore)

This book is intended to support faculty in designing and conducting case teaching. The book is a practical "how to" guide for faculty setting up and delivering a case based class. It can be used by instructors of all levels as it discusses issues such as class culture, teaching pace, grading, board usage etc.

108pp	Oct 2018	
978-981-3273-34-4	US\$39	£35
978-981-122-128-6(pbk)	US\$22	£20
978-981-3273-36-8(ebook)	US\$14.95	£14.95

## Contemporary Approaches to Research on Learning Environments

Worldviews

edited by **Darrell Fisher** (Curtin University of Technology, Australia) & **Myint Swe Khine** (Murdoch University, Australia)

Learning environment research has undergone considerable growth in the past thirty years and has now reached a stage of notable diversity and internationalization. Earlier studies often used questionnaires to assess learning environments, but today both qualitative and quantitative approaches are used. This volume brings together prominent educators and researchers from around the world to share their contemporary research on educational learning environments.

688pp	May 2006	
978-981-256-508-2	US\$248	£220
978-981-256-511-2(pbk)	US\$77	£64
978-981-4479-30-1(ebook)	US\$62	£51

## Technology and the Disruption of Higher Education

by **Henry C Lucas, Jr** (University of Maryland, USA)

This book presents details on MOOCs, blended and online classes and their role in transforming higher education based on the author's experiences teaching all of these types of courses. These technology-enabled approaches to teaching and learning offer tremendous opportunities to schools, but they also threaten the traditional university. The book identifies some of these threats and opportunities and offers suggested strategies to take advantage of the technology.

248pp	Sep 2016	
978-981-3144-29-3	US\$58	£48
978-981-3144-30-9(pbk)	US\$28	£23
978-981-3144-32-3(ebook)	US\$14.95	£14.95

**For orders or enquiries, please contact:**

**USA:** World Scientific Publishing Co. Inc. Email: wspc\_us@wspc.com

**UK:** World Scientific Publishing (UK) Ltd. Email: IPSUK.Orders@ingramcontent.com

**ASIA:** World Scientific Publishing Co. Pte. Ltd. Email: sales@wspc.com

\* Prices subject to change without prior notice