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Autore	Shen Yang <1739-1827, >
Titolo	Case studies of information technology application in education : utilising the internet, big data, artificial intelligence, and cloud in challenging times // Yang Shen [and five others]
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Collana	Lecture Notes in Educational Technology Series
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Soggetti	Artificial intelligence - Educational applications Computer-assisted instruction Education - Data processing Educational technology Tecnologia educativa Processament de dades Intel·ligència artificial Ensenyament assistit per ordinador Llibres electrònics
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part 1. Case study for the application of Internet in education -- 1 Based on information technology, "Learning - speaking" Action Plan: from "micro-class community" began -- 2 Adaptive evaluation system APP development: achieve project-based learning (Internet) -- 3 "Micro-Course of teaching group" : promote balanced development of education in different regions -- 4 "1+N" Compulsory Courses Special Delivery Class: Exploring the Integration of Urban and Rural Education -- 5 The Four Rules of Normalization of "Internet +" Teaching -- 6 Disciplines are fully covered by mobile terminals -- 7 A new way of informatization for poor schools of ethnic minorities -- 8 Digital-based "Garden of The Grass" school-based curriculum development -- 9 Urban and rural assistance, across the Straits -- 10 The practice of

digital campus under the background of the new policy of college entrance examination -- 11 A new educational model of 'classified classes online' -- 12 Walk into the "Internet+ Subjects" classroom -- 13 Diverse Star-rating Online Review -- 14 "QR Code" Application in Education and Teaching -- Part2. Case study for the application of big data in education -- 15 "Data" runs: in smart classrooms, teachers and teaching -- 16 Smart Classroom: Find the teaching methodology for teaching students according to their aptitude -- 17 Information Technology: Let students discover their beauty -- 18 Thinking about the Digital Innovation Lab -- 19 All round coverage of big data systems -- 20 data-driven evaluation evolution -- 21 Data-driven and effective teaching action.-22 Wisdom and Ecology, Be the Best of Yourself -- 23 Digital Classrooms for Self-Learning -- 24 "Intellectual Companion": A whole-process educational big data that helps improve regional education quality -- Part 3. Case study for the application of cloud in education -- 25 Fission effect: from "New Form Teaching Guide " to the construction of information think tank -- 25 Data association: From demand to application, Unicom "Cloud" and "Space" -- 27 "Education Cloud" benefits children of migrant workers -- 28 School-based curriculum development: Cloud Farm Education Innovation -- 29 "Rainbow Bridge" for Left-behind Children -- 30 "Cloud and Network and Terminal" intelligent classroom teaching mode -- 31 Construction of "Everyone's Learning Community" -- 32 "One-to-One" Digital Future Classroom -- 33 China Mobile "+ Education": "Cloud Platform" for Rural Education -- Part 4. Case study for the application of AI in education -- 34 3-3-6 classroom teaching model based on smart classroom: The realization of inquiry learning -- 35 The Informatization Road of Educational Reform in Private Schools -- 36 Create a 'double new' driven fun digital campus -- 37 New exploration of educational information: Cause Marketing -- 38 Maker Education, making students masters of learning -- 39 From a "Media Literacy Course" to "Smart Education" -- 40 Making use of information technology to build "independent learning" culture -- 41 Smart Classroom "5-3-3" Mode Practice -- 42 Potential classes based on the 'Learning Community' -- 43 Microlessons: Crossing the "Recent Development Zone".

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## Sommario/riassunto

This book includes 43 case studies showcasing the application of basic education informatization. It shares the experiences of 43 schools in the construction and application of educational informatization in various regions in China. It aims to promote the balanced development of education and expand the coverage of quality education resources. This book also highlights the achievements of these schools in constructing school-based resources, and changing teaching modes and optimizing classroom teaching. This collection of case studies not only reflects the current trend of informatization application moving from 'universal application' to 'integrated innovation' but also uncovers the potential of applying information technology to transform education processes, innovate education environment, and optimize education governance.

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