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Titolo	Chinese research perspectives on educational development . Volume 2 // edited by Yang Dongping
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ISBN	90-04-27078-7
Descrizione fisica	1 online resource (296 p.)
Collana	Chinese Research Perspectives on Education
Disciplina	370.1
Soggetti	Education and state - China Education - Aims and objectives - China Educational change - China China
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preliminary Material -- General Report Reform of Education in China Stepping Forward with a Solid Pace and Going a Long Way / Fangping Cheng and Dongping Yang -- Regional Features and New Issues on the Balanced Development of Compulsory Education / Zunmin Wu -- Competition on the Transition of Primary School Graduates to Junior High Schools in Large Cities and Governance of Mathematical Olympiad Training / Xinling Li -- An Investigation of Adjustment of School Mapping in Rural Areas / Shuai Wang -- Research on the Learning and Life of Primary and Secondary Students in Rural Schools / Jinyan Zhou and Xiang Qi -- Local Practices and Civilian Efforts on Revitalization of Small-Scale Schools in Rural Areas / Chao Lü -- New Progress on Higher Education Reform / Min Yang -- Enabling Migrant Workers' Children to Take the College Entrance Exam in the City Where Their Parents Work and Live Moving Forward / Bingqi Xiong -- Beyond Rural and Urban Differences: Impact of Educational Resources and Family Resources on Children from Urban and Rural Areas / Jialing Han , Yauiong Gao , Yan Zhang and Chengming Han -- From Shandong to Shanxi Province: A Reflection on the Reform of School Teaching in Primary and Middle Schools / Chunqing Chai -- Non-Government

Funded Education: Development Transition and Policy Innovation / Jianfeng Fang -- Exploration on Building of Parents Committee in Primary and Middle Schools in Shandong Province / Yongjian Lu -- A Survey on Specially-set-post Teachers in Rural Schools: Present Situation and Issues / Guoming Wang , Xuenan Wang and A Xia Re Ha Mo -- Survey of the Sense of Educational Equality Expressed by the Public in Some Major Cities of China for the Year 2012 / Min Yang -- An Analysis of Public Expenditures on Education in 2011 / Ling Zhou -- Top Ten News Reports on Education in 2012 -- A Collection of Topics of Chinese Composition Used in the College Entrance Examinations Administered in 2012 -- Speech Delivered in Tsinghua University (Full Text) / Jiabao Wen -- The List of Winners of the Third Session of "Local Educational Institution Creativity Awards" -- International Forum on New Education: Ningbo Declaration -- Why I Criticize the High School Affiliated to Renmin University of China / Dongping Yang -- What do We Lack, How Shall We Face—Preface of "Textbook on Humanistic Literacy" Edited by Ma Xiaoping / Liqun Qian -- My Ideal University / Daoyu Liu -- Equal Opportunity for All Students -- A Letter Written by Poet Hu Lanlan to Ministry of Education: Save those Children Kidnapped by Homework and Test Scores -- Being Myself: Speech Made by a Middle School Student under the National Flag in Qidong Middle School, Jiangsu Province -- Index.

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#### Sommario/riassunto

Chinese Research Perspectives on Educational Development, Volume 2 is an English translation of selected articles from the 2013 Annual Report on Educational Development in China , produced by the 21st Century Education Development Research Academy in China. In this volume, readers are brought up to date on the main educational issues and events of 2012. 2012, the second year since the Outline of China's National Plan for Medium and Long Term Education Reform and Development 2010-2020 was implemented, witnessed the deepening of education reform in terms of promoting education equity and improving rural education and balanced development of compulsory education. This volume starts with a general report by Cheng Fangping and Yang Dongping that explains the new progress as well as barriers of education reform in 2012. Researchers and practitioners discuss the development and reform of rural schools, education for migrant workers' children, impacts of educational resources on urban and rural children, new progress of higher education, among other topics in this volume. Chinese Research Perspectives on Educational Development, Volume 2 informs the Western readers of the current educational development in policy, practice, and research in China. Chinese Research Perspectives on Educational Development is a co-publication of Brill and Social Sciences Academic Press (China).

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2. Record Nr.	UNINA9910299774103321
Autore	Diwekar Urmila
Titolo	BONUS Algorithm for Large Scale Stochastic Nonlinear Programming Problems // by Urmila Diwekar, Amy David
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2015
ISBN	1-4939-2282-3
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (154 p.)
Collana	SpringerBriefs in Optimization, , 2190-8354
Disciplina	519.7
Soggetti	Operations research Management science System theory Dynamics Ergodic theory Algorithms Operations Research, Management Science Systems Theory, Control Dynamical Systems and Ergodic Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Uncertainty Analysis and Sampling Techniques -- 3. Probability Density Functions and Kernel Density Estimation -- 4. The BONUS Algorithm -- 5. Water Management under Weather Uncertainty -- 6. Real Time Optimization for Water Management -- 7. Sensor Placement under Uncertainty for Power Plants -- 8. The L-Shaped BONUS Algorithm -- 9. The Environmental Trading Problem -- 10. Water Security Networks -- References -- Index.
Sommario/riassunto	This book presents the details of the BONUS algorithm and its real world applications in areas like sensor placement in large scale drinking water networks, sensor placement in advanced power systems, water management in power systems, and capacity expansion of energy systems. A generalized method for stochastic nonlinear programming based on a sampling based approach for uncertainty analysis and statistical reweighting to obtain probability information is

demonstrated in this book. Stochastic optimization problems are difficult to solve since they involve dealing with optimization and uncertainty loops. There are two fundamental approaches used to solve such problems. The first being the decomposition techniques and the second method identifies problem specific structures and transforms the problem into a deterministic nonlinear programming problem. These techniques have significant limitations on either the objective function type or the underlying distributions for the uncertain variables. Moreover, these methods assume that there are a small number of scenarios to be evaluated for calculation of the probabilistic objective function and constraints. This book begins to tackle these issues by describing a generalized method for stochastic nonlinear programming problems. This title is best suited for practitioners, researchers and students in engineering, operations research, and management science who desire a complete understanding of the BONUS algorithm and its applications to the real world.

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