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Autore	Shahidehpour M. <1955->
Titolo	Communication and control in electric power systems : applications of parallel and distributed processing // Mohammad Shahidehpour, Yaoyu Wang
Pubbl/distr/stampa	Piscataway, NJ, : IEEE Press Hoboken, N.J., : Wiley-Interscience, c2003
ISBN	9786610367214 9781280367212 1280367210 9780470357385 047035738X 9780471462910 0471462918 9780471462927 0471462926
Descrizione fisica	1 online resource (557 p.)
Collana	IEEE Press series on power engineering
Altri autori (Persone)	WangYaoyu
Disciplina	621.319/1
Soggetti	Electric power systems - Control Electric power systems - Communication systems Electric power systems - Load dispatching
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 (p. 503-529) and index.
Nota di contenuto	Preface. -- 1. Introduction. -- 2. Parallel and Distributed Processing of Power Systems. -- 3. Information System for Control Centers. -- 4. Common Information Model and Middleware for Integration. -- 5. Parallel and Distributed Load Flow Computation. -- 6. Parallel and Distributed Load Flow of Distribution Systems. -- 7. Parallel and Distributed State Estimation. -- 8. Distributed Power System Security Analysis. -- 9. Hierarchical and Distributed Control of Voltage/VAR. -- 10. Transmission Congestion Management Based on Multi-Agent Theory. -- 11. Integration, Control, and Operation of Distributed Generation. -- 12. Special Topics in Power System Information System.

-- Appendix A. Example System Data. -- Appendix B. Measurement Data for Distributed State Estimation. -- Appendix C. IEEE-30 Bus System Data. -- Appendix D. Acronyms. -- Bibliography. -- Index.

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## Sommario/riassunto

The first extensive reference on these important techniques The restructuring of the electric utility industry has created the need for a mechanism that can effectively coordinate the various entities in a power market, enabling them to communicate efficiently and perform at an optimal level. Communication and Control in Electric Power Systems, the first resource to address its subject in an extended format, introduces parallel and distributed processing techniques as a compelling solution to this critical problem. Drawing on their years of experience in the industry, Mohammad Shahidehpour and Yaoyu Wang deliver comprehensive coverage of parallel and distributed processing techniques with a focus on power system optimization, control, and communication. The authors begin with theoretical background and an overview of the increasingly deregulated power market, then move quickly into the practical applications and implementations of these pivotal techniques. Chapters include: . Integrated Control Center Information. Parallel and Distributed Computation of Power Systems. Common Information Model and Middleware for Integration. Online Distributed Security Assessment and Control. Integration, Control, and Operation of Distributed Generation. Agent Theory and Power Systems Management. e-Commerce of Electricity A ready resource for both students and practitioners, Communication and Control in Electric Power Systems proves an ideal textbook for first-year graduate students in power engineering with an interest in computer communication systems and control center design. Designers, operators, planners, and researchers will likewise appreciate its unique contribution to the professional literature.

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2. Record Nr.	UNINA9910357843903321
Titolo	e-Learning, e-Education, and Online Training : 5th EAI International Conference, eLEOT 2019, Kunming, China, August 18–19, 2019, Proceedings // edited by Guanglu Sun, Jianhou Gan, Shuai Liu, Fei Lang, Zeguang Lu
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-35095-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XV, 440 p. 99 illus., 56 illus. in color.)
Collana	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, , 1867-822X ; ; 299
Disciplina	374.26
Soggetti	Education - Data processing Computers Application software Computer networks Computers and Education Computing Milieux Computer and Information Systems Applications Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Design and Implementation of Adaptive Push APP Based on Android for Fragmented English Reading Resources -- Research on Blended Teaching Mode based on Internet Plus -- Engineering ability construction in flipped classroom teaching approach -- Research on Gamification Teaching of "Network Security Technology" under Improved Flipping Classroom -- Discussion on the Application of WeChat mini Program in the Lifelong Education of Basic Computer Knowledge in the Age of Mobile Learning -- Research and Design of College Courses Resources Sharing Platform Based on WeChat Mini Program -- Design of PLC Technology Courses Based on Blended Learning in Colleges and Universities -- Exploration on the Application of Blended Learning Model in Practical Training Teaching Taking Data

Communication in Wireless Sensor Networks as an Example -- Research and Thinking on Diversified Teaching Methods of Mechanical Theory Massive Open Online Course -- Design and Evaluation of Micro-class Based on WeChat Public platform -- Research on the Construction of Teaching Evaluation System of Mathematics Courses at Applied Undergraduate Colleges in the Context of New Engineering -- Research on College Teaching Management Reform under the Background of MOOC -- MOOC-Based Mixed Teaching Research on Microcomputer Principle Courses in Colleges and Universities -- Discussion on the Reform of the Course "Data Structure" of Higher Vocational Education Based on MOOC Background -- The research of combining MOOC and Classroom teaching in Virtual Instruments Course -- The reform of Data Structure course of MOOC + SPOC diversified practice method -- An Empirical Study on the Integration of MOOCs Resources and College English Education -- Self-correction's Effects on EFL Writing on Web-based Automatic Writing Evaluation Platform -- Exploration of Mechanical Principle Combined Curriculum Reform Based on Network Assisted Platform -- A Design for experimental program of Artificial Intelligence and Machine Vision Based on Online Learning -- Construction of online platform based on the model of honesty and morality education -- Research on Digital Teaching Materials Under the Mode of "Educational Cloud Service + Cloud Terminal" -- A Study on the Application of EDA Technology in the Design of Virtual Digital Electronic Experiment -- Thinking on the C language teaching method for the major of Agricultural Mechanization Engineering -- Application of Artificial Intelligence in Wireless Sensor Network Training Teaching -- Scientific Interpretation of the Connotative Development of Higher Vocational Colleges in Yunnan in the New Era -- The Combination of the Downward Shift of the Teaching Focus and the Sublimation of the Teaching Objectives -- Toward a virtual vocational guidance model -- Teaching Practice Exploration of Economic Mathematics Course of Economic Management Major Under the Background of "New Engineering" -- An Empirical Research on English Learning Strategies of Li Nationality College Students -- Higher Vocational Computer Course Reformation Based on Integration of Industry and Teaching -- An Empirical Analysis of Public English Teachers in Higher Vocational Colleges -- An Empirical Research on the Status Quo of Ideological and Political Teachers in Higher Vocational Colleges in Hainan Province -- The application of heuristic teaching method in explaining the asterisk triangles pattern in C language -- An Empirical Study on the Correlation among Language Attitude, Ethnic Identity, Learning Burnout and English Achievements of Achang Ethnic Minority Students in Trilingual Context -- A Study of Correlation between Self-efficacy, Language Anxiety, Metacognitive Strategies and English Achievements of Achang Ethnic Minority Junior High School Students in the Trilingual Background Assessment and Learning Analytics -- Construction of Scientific Evaluation System for Connotative Development of Higher Vocational Colleges in Yunnan in the New Era -- Cultivation in Higher Vocational Colleges-Take Sanya Aviation and Tourism College as an Example -- The Strength and the Correlation between English Learning Attitudes and Professional Development Needs of Secondary-school English Teachers in Multilingual Areas of China -- The Practice of Content-based Academic English Instruction among Graduate Students of Non-English Major -- A Study of Intercategorical Polysemy Teaching Based on Conceptual Blending Theory in Senior High Schools -- Study on Open Educational Resources Construction in Colleges and Universities in the Information Age -- A Survey on the Internship Status of Students Majoring in Civil Aviation-Take Sanya Aviation and Tourism

College as an Example -- Application of SPOC Model in Training Craftsman Spirit of High-skilled Talents -- An Empirical Study on the Effect of information-based Teaching of Ideological and Political Courses in Higher Vocational Colleges Based on Moso Teach -- Application and Practice of APT Teaching Model in Teaching Metals and Heat Treatment. .

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**Sommario/riassunto**

This book constitutes the proceedings of the 5th International Conference on e-Learning, e-Education, and Online Training, eLEOT 2019, held in Kunming, China, in August 2019. The 46 revised full papers presented were carefully reviewed and selected from 99 submissions. They focus on most recent and innovative trends in this broad area, ranging from distance education to collaborative learning, from interactive learning environments to the modelling of STEM (Science, Technology, Mathematics, Engineering) curricula.

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