1.

Record Nr.	UNINA9910743396103321
Titolo	Advanced Modelling and Innovations in Water Resources Engineering : Select Proceedings of AMIWRE 2021 / / edited by Chintalacheruvu Madhusudana Rao, K. C. Patra, D. Jhajharia, Sangeeta Kumari
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-16-4629-5
	981-16-4628-7
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (772 pages)
Collana	Lecture Notes in Civil Engineering, , 2366-2565 ; ; 176
Disciplina	333.91
Soggetti	Environmental engineering
	Civil engineering
	Environmental protection
	Hydraulic engineering
	Environmental Civil Engineering
	Soil and Water Protection
	Hydraulic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Trends of Rainfall and Temperature over Chhattisgarh during 1901-2010 -- Estimation and Simulation of Flows into an Off Taking Canal Using Ansys -- Drought Evaluation of Tiruchirapalli City, India using Three Meteorological Indices -- Forecasting of Meteorological Drought Using Machine Learning -- Assessment of Economic Value of Doddabommasandra Lake Using Contingent Valuation Method and Travel Cost Method -- Meteorological Drought Analysis using SPI-6 for Marathwada Region, Maharashtra State, India -- Analysis and Comparison of Fuzzy Logic and Neural Network based Study for Rainfall Predictions and Hydrological Modelling: A Case Study of Ahmedabad. .
Sommario/riassunto	This book presents select proceedings of the national conference on Advanced Modelling and Innovations in Water Resources Engineering (AMIWRE 2021) and examines numerous advancements in the field of water resources engineering and management towards sustainable development of environment. The topics covered includes river basin

planning and development, reservoir planning and management, integrated water management, reservoir sedimentation, soil erosion and sedimentation, agricultural technologies for climate change mitigation, uncertainty analysis in hydrology, water distribution networks, floods and droughts management, water quality modelling, environmental modelling, environmental impact assessment, urban water management, open channel hydraulics, hydraulic structures, groundwater hydraulics, groundwater flow and contaminant transport modelling, computational fluid dynamics, ocean engineering, HEC-RAC, SWAT, MIKE, MODFLOW models applications, numerical analysis in water resources engineering, climate change impacts on hydrology, optimization techniques in water resources, soft computing techniques and applications in water resources and remote sensing / geospatial techniques in water resources. This book will be beneficial for water sectors development mainly agricultural production, reservoir operations, improvement of water quality, flood and drought controls, designing hydraulic structures and geospatial analysis. This book will be a valuable reference for faculties, research scholars, students, design engineers, industrialists, R & D personnel and practitioners working in water resources engineering and its related fields.

2. Record Nr.	UNINA9910484198403321
Titolo	Advances in Applied Artificial Intelligence : 19th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2006, Annecy, France, June 27-30, 2006, Proceedings / / edited by Moonis Ali, Richard Dapoigny
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2006
ISBN	3-540-35454-9
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (XLVI, 1356 p.)
Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 4031
Altri autori (Persone)	AliMoonis DapoignyRichard
Disciplina	006.3
Soggetti	Artificial intelligence Computer science Pattern recognition systems Software engineering Application software User interfaces (Computer systems) Human-computer interaction Artificial Intelligence Theory of Computation Automated Pattern Recognition Software Engineering Computer and Information Systems Applications User Interfaces and Human Computer Interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Contributions -- Multi-agent Systems -- Decision-Support -- Genetic Algorithms -- Heuristic Search -- Data-Mining and Knowledge Discovery -- Planning and Scheduling -- Fuzzy Logic -- Computer Vision -- Case-Based Reasoning -- Knowledge Engineering -- Machine Learning -- Model-Based Reasoning -- Speech Recognition -- Systems for Real Life Applications -- Applications -- Special Session on

	Bioinformatics -- Special Session on Ontology and Text -- Special Session on Data for Discovery in Engineering -- Special Session on Intelligent Control Systems -- Special Session on Intelligent Systems for Industry -- Special Session on Applications of Data Mining.
Sommario/riassunto	"Intelligent Design and complex problem solving are twined like wife and husband." In the current competitive global industrial environment there are many pr- lems which need intelligent systems technology for optimal solutions. The central theme of the 19th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IEA/AIE 2006) is to focus on the research methodologies and practical implementations of these methodologies for intelligent solutions of problems in real-world applications. We are pleased to present the papers in these proceedings which cover va- ous aspects of applications of applied intelligent systems. We received more than 330 papers from many countries and each paper was reviewed by at least two reviewers. Only 134 papers were selected for presentation in the normal and special sessions. The normal sessions cover the following topics: planning and scheduling, multi-agent systems, fuzzy logic, data mining and knowledge d- covery, genetic algorithms, decision support, expert systems, neural networks, computer vision, speech recognition, systems for real-life applications, machine learning, model-based reasoning, heuristic search, and knowledge engineering. We also organized several special sessions in the areas of bioinformatics, - tology, knowledge discovery, intelligent control systems, intelligent industrial s- tems, and applications of data mining. The conference program also included four invited lecturers given by Fausto Giunchiglia, Erik Sandewall, Sylviane Gentil and Trevor Martin.