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Handbook of Research on Hydroinformatics: Technologies, Theories and Applications

HANDBOOK OF RESEARCH ON

HYDROINFORMATICS Technologies, Theories and Applications



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Researchers and decision makers who study natural resources and, in particular, water resource management, have acknowledged the significant role of hydroinformatics.

The Handbook of Research on Hydroinformatics: Technologies, Theories and Applications describes how hydroinformatics applications, tools and decision aids are manifested and can be integrated and enhanced in organizations, while presenting hydroinformatics as a function of both human and technological interactions. This book provides the latest research on the use of hydroinformatics to establish sustained linkages between the water system and other related systems.

Topics Covered:

- Integrated watershed management
- Building capacity for better water decision making
- Decision support systems
- Water knowledge sharing based on global technology
- Water resources management
- Service oriented hydrology intelligence
- Hydrologic modelling and forecasting
- Flood risk analysis
- Evolutionary computation
- Urban water management

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Tagelsir Mohamed Gasmelseid holds BSc, MSc, postgraduate diploma, MPhil and PhD degrees in information systems. He published some articles in referred journal and contributed to some international conferences. His research interests include multi-agent, mobile and context aware systems, agent oriented software engineering and simulation, service oriented architectures and the use of software agents in management and decision support systems for Hydroinformatics, electronic commerce, medical informatics and electronic government. He is affiliated as an associate professor, Information Systems, College of Computer Sciences and Information Technology, King Faisal University (Saudi Arabia).



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