

2021 International Conference on Data, Information, Knowledge and Wisdom (DIKW 2021)

17-19 December 2021
Haikou, Hainan

Data, Information, Knowledge and Wisdom (DIKW)

Data, Information, Knowledge and Wisdom, in short (DIKW), have been used widely as marking terms in various domains for expressing and exchanging understandings. However there are still no unified understandings over the meaning of the DIKW concepts. Data, Information, Knowledge and Wisdom as a whole concept of DIKW is also missing unified understandings of the relationships among them. Therefore there have been proposals and models of DIKW as “layered hierarchy”, “architecture”, “framework”, “network”, “thinking mode”, “pattem”, “style”, “theory”, “methodology”, “model”, “graph”, etc.

2021 International Conference on Data, Information, Knowledge and Wisdom (DIKW 2021) will be held on 17th-19th December 2021 at Haikou, China, which is co-organized by Hainan Association for Science and Technology and the DIKW research group of Hainan University, aims to bring together scientists, researchers, and industrial engineers to exchange experimental and theoretical Data/Information/Knowledge/Wisdom modeling and processing results, novel designs, explainable AI, AI governance, work-in-progress and case studies on theories, design mechanisms and extensions on DIKW transformations and interactions in all areas, in all phases, empirical or theoretical solutions. We hope you will join us for the great gathering, and look forwards to seeing you in the beautiful city Haikou!

DIKW-2021 Scope and Topics

- Application of Knowledge Representation Techniques to Semantic Modeling
- Big Data and Inter Edge-Cloud Computing
- Cooperation in Heterogeneous Systems
- Data Integration, Metadata Management, and Interoperability
- Data, Information and Knowledge Sharing
- Data Mining and Knowledge Discovery
- Data Models, Information Semantics, Query languages
- Data Provenance, Cleaning, Curation
- Data Stream Systems and Sensor Networks
- Data Visualization and Interactive Data Exploration
- Database Privacy, Security, Trust and Design
- Development and Management of Heterogeneous Knowledge Bases
- Digital Libraries
- Domain Modeling and Ontology-Building
- Data, Information and Knowledge Security
- Information Storage and Retrieval and Interface Technology
- Management of Data, Information and Knowledge Hybrid Systems
- Multimedia and Cross-modal “Databases”
- Optimization Techniques of DIKW applications
- Theories of DIKW Models and Performance Evaluation Approaches

Paper Submission Guidelines

All papers need to be submitted electronically through the conference submission website <https://edas.info/N28866> with PDF format.

Selected papers with great extension will be recommended to publish in special issue on “Crossing “Data, Information, Knowledge, and Wisdom” Models—Challenges, Solutions, and Recommendations”, Information(ISSN 2078-2489), which will be submitted to Scopus (Elsevier), Ei Compendex, Emerging Sources Citation Index (ESCI-Web of Science), etc for review and indexing.

All the submitted papers will be peer reviewed by 2-3 reviewers. It takes 20-30 days for the result coming out. If the paper needs revising, it should be resubmitted for peer review again. For papers which accepted by DIKW 2021, we offer options for publishing as follows:

All the registered and presented papers will be included in the volume of Conference Proceeding tentatively, which will be submitted to Engineering Village, Scopus, Thomson Reuters (WoS) and other databases for review and indexing.

*Conference proceeding will be online publishing. Only presented paper can be included in conference proceeding. Conference committee reserves the right to refuse publication of paper without presenting at conference.

Important Dates

Workshop Proposal Due:	Aug. 1, 2021
Paper Submission Deadline:	Sep. 15, 2021
Authors Notification:	Oct. 15, 2021
Final Manuscript Due:	Nov. 15, 2021
Conference Date:	Dec. 17-19, 2021

Organizing Committee

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Contacts

More details can be found via the conference website:

<http://www.ieee-cybernetics.org/2021/dikw/>

For any question please do not hesitate to contact:

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