

# **2023 OkIP International Conference on Data Technology and Engineering (CDTE)**

**Monday, 2 October 2023 - Thursday, 5 October 2023**

**Tiako Center, Oklahoma City, OK, USA & Online**

## **Scientific Tracks**

## **Data Advanced Concepts**

Data Filtering | Data Conversion  
Data Structures | Data Management  
Data Virtualization | Data Integrity  
Data Integration | Data Retrieval  
Data Representation | Data Aggregation  
Data Types | Data Grids | Data Warehouse  
Metadata | Data Integration | Data fusion  
Data Standards | Data Workflow  
Data Interoperability | Data Integrity  
Data Security/Privacy/Trust | Data Control

## **Data Analytics and Processing**

Business Intelligence | Data Governance  
Descriptive analytics | Critical Device Data  
Raw Data | Data Capture | Data Ingestion  
Data Transformation | Data Processing  
Data Visualization | Data Queries  
Analytical Workloads | Prescriptive Analytics  
Historical Data and Business Metrics  
Transactional Workloads | Data Repositories  
Batch and Streaming Data  
Real-time Data | Point-of-Sale Data  
Statistics Exploratory Data Analysis  
Diagnostic Analytics | Cognitive Analytics  
Data Warehouse Management  
Predictive Analytics | Social Data Analytics  
Online Analytical Processing  
Semi-Structured Data | Unstructured Data

## **Databases**

Database System Internals and Performance  
XML Databases | Graph Database  
Temporal Databases | Spatial Databases  
Query Optimization Techniques  
Multimedia Databases | Distributed Databases  
Mobile Databases | WWW and Databases  
NoSQL Databases | Very Large Databases  
Object-Oriented Database Systems  
Database Architecture and Design

## **AI in Data and Big Data**

Data Encryption Techniques  
Data Mining Theoretical Foundation  
Scientific and Statistical Data Mining

Data Mining and Knowledge Discovery  
Data Mining Products/Systems/Languages  
Big Data Search/Mining | Web Mining  
Decision Support Data Systems  
Dimensional Data Modeling  
Big Data Security/Privacy/Trust  
Big Data Infrastructure | Web Analytics  
Text Analytics | Big Data as a Service  
Big Data and Information/Data Quality  
Change Detection | Big Data Applications  
Social Web Search and Mining  
Deep Learning and Big Data  
Big Data Computational Models  
Smart Grid Big Data | Text Mining  
Big Data Cloud Computing  
Big Data Stream Computing  
Intelligent Data Retrieval System

## **Data and Databases Applications**

Database Applications and Experiences  
Scientific and Biological Databases  
Smart Cities and Urban Data Analytics  
Sensor Network Data Management  
In-Network Data Processing  
In-Memory/Purpose-built Databases  
Distributed/Parallel/Peer-to-Peer Databases  
Deep/Dark/Hidden Web Data Management  
Energy-Efficient Data Centers  
Storage Systems Security/Reliability  
Data Loss/Breach Prevention & Protection  
Visual and Audio Data Mining  
Information Visualization  
Open-Source Databases  
Software Engineering Data  
Virtualized Data Center Network  
Medical/Biomedical Big Data  
Medical Data Interoperability/Security

## **Data and Legal Issues**

Data Privacy Issues| Sensitive Data  
Data Regulation Laws | Data Protection Laws  
Privacy-Preserving Techniques  
Data Privacy Issues | Privacy Standards  
Data Collection and Storage Issues  
Intellectual Property/Copyright Laws