Fifth International Conference on Digital Data Processing (DDP 2025)

University of Bedfordshire, Luton. UK
August 13-15, 2025
(www.socio.org.uk/ddp)
(IEEE Xplore indexed)

As technology advances in different sub-domains of computing, data-driven models are becoming increasingly important. The data-dependent world now faces many challenges in terms of data accuracy and data privacy. High-impact advancements include machine learning, artificial intelligence, deep learning and many more. Data is growing exponentially in terms of diversity and complexity. One organization or industry processes over a few million transactions per hour and stores hundreds of billions of data. We live in a world with a great need for more efficient data analysis and processing. Data analytics can reveal hidden patterns, complex relationships, internal information relations, and even segmentation. Data applications have opened up new possibilities in every aspect of our lives. Studying data and its structure, dynamics, and modern data technologies is ongoing. There is a great deal of literature and research on data management, but it does not address the data processing needs. Many studies focus on developing models and systems for analyzing large datasets.

Data analysis leads to application domains that have a systematic impact on decisions. The knowledge gained from the data analysis enables the generation of critical information for multiple domains. In this conference, we review and discuss the latest trends in data management, the opportunities and challenges, and how they have affected organizations' ability to develop effective business and technology strategies and stay up-to-date in data technology. We also highlight current open research directions in data analytics that need further attention.

The proposed conference will discuss topics not limited to

- Data applications in various domains and activities
- Data in cloud
- Real-world data processing
- Data inaccuracy and reliability issues
- Data Ecosystem
- Business Analytics
- New data analytics techniques
- Physical and management challenges
- Synthetic data
- Data synthesis
- Crowdsourcing and Sensing
- Data modelling
- Deep learning techniques
- Data fusion
- Descriptive analytics, Diagnostic analytics, Predictive Analytics, and Prescriptive analytics
- Machine learning impact on data processing
- Network optimization
- Data in Biomedical Engineering
- Data in Materials science and mechanics
- Data handling and applications in domains

- Wireless Networking Data Management
- Data of Electronic & Embedded Systems
- Multi-media Systems Data
- Artificial Intelligence Models and Systems Data
- E-Computing Data
- Renewable Energies Data

General Chair
Ezendu Ariwa, Warwick University, UK

Program Chairs
Youshan Zhang, Yeshiva University, USA
Simon Fong, University of Macau, Macau

Program Co-chairs
Martin Lopez Nores, University of Vigo, Spain

Publications
All accepted and presented papers will be submitted to IEEE Xplore for publication and indexing.

The DDP 2025 has a co-located workshop on Data Analytics in Biomedicine.

Modified versions of the papers will appear in the following journals.

- Journal of Digital Information Management

- International Journal of Computational Linguistics

- Information Services & Use

Important Dates

Submission of Papers: June 20, 2025
Notification of Acceptance/Rejection: July 15, 2025
Camera-ready: August 10, 2025
Registration: August 10, 2025
Conference Dates: August 18-20, 2025
Post-Conference Proceedings Release: November 30, 2025

Paper submission
Papers should follow the IEEE template. Submissions at http://socio.org.uk/ddp/paper-submission/

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