

The 8th IEEE International Conference on Data Science and Systems(DSS-2022)

Dec. 18-20, 2022, Chengdu, China

Call for Papers

As an interdisciplinary area, Data Science draws scientific inquiry from a broad range of subject areas such as statistics, mathematics, computer science, machine learning, data mining, optimization, information retrieval, databases, cloud computing, social science, network science, computer vision, natural language processing, etc. Data Science is on the essence of deriving valuable insights from data. With the continuing data explosion in many fields, such as sciences and engineering, finance, media, online information resources, it is necessary to develop data intensive systems to process such large volumes of data. This brings up many research issues, in forms of capturing and accessing data effectively and efficiently, processing it while still achieving high performance and high throughput, and storing it efficiently for future use.

The 8th IEEE International Conference on Data Science and Systems (DSS-2022) is the next event in a series of successful events, i.e., DSDIS-2015, DSS-2016, DSS-2017, DSS-2018, DSS-2019, DSS-2020 and DSS-2021. The main conference will be held on 18th-20th December 2022 at Chengdu, China, and will provide a prime international forum for researchers, industry practitioners and domain experts to exchange the latest advances in Data Science and Data Systems as well as their synergy.

Track 1: Data Science

- Foundational Theories of Data Science
- Data Classification and Taxonomy
- Data Metrics and Metrology
- Data Analytics
- Social Network Analysis and Mining
- Security, Privacy and Trust in Data

Track 2: Data Processing Technology

- Data Representation and Processing
- Machine Learning and Deep Learning
- Graph Neural Networks
- Semi-supervised and Unsupervised Learning
- Statistical, Mathematical and Probabilistic Modeling and Theories
- Information Retrieval
- Data Visualization

Paper Submission

Each paper is limited to 8 pages (or 10 pages with over length charge) including figures and references using IEEE Computer Society Proceedings Manuscripts style (two columns, single spaced, 10 fonts).

All papers need to be submitted electronically through the website with PDF: [Coming soon](#)

For further information, please visit our website: [Coming soon](#)

Paper Publication

Accepted conference papers will be published by IEEE (IEEE-DL and EI indexed). At least one author of each accepted paper is required to register and present their work at the conference; otherwise the paper will not be included in the proceedings. Selected papers, after further extensions and revisions, will be recommended to special issues.

Co-located with Five Other Conferences

- o The 2022 IEEE Int'l Conf. on Embedded Software and Systems (ICCESS-2022)
- o The 2022 IEEE Int'l Conf. on Smart City (SmartCity-2022)
- o The 2022 IEEE Int'l Conf. on High Performance Computing and Communications (HPCC-2022)
- o The 2022 IEEE Int'l Conf. on Data, Information, Knowledge and Wisdom (DIKW-2022)
- o The 2022 IEEE Int'l Conf. on Dependability in Sensor, Cloud and Big Data Systems and Applications (DependSys-2022)

Organizing Committee

General Chairs

Gautam Srivastava, *Brandon Univ., Canada*
Guoliang Li, *Tsinghua Univ., China*
Jirong Wen, *Renmin Univ., China*

Program Chairs

Bin Cui, *Peking Univ., China*
Chuan Li, *Sichuan Univ., China*
Anwer Al-Dulaimi, *EXFO Inc., Canada*

Steering Chairs

Laurence T. Yang, *St. Francis Xavier Univ., Canada*
Beniamino Di Martino, *Second Univ. of Naples, Italy*

Publicity Chairs

Ruichen Dong, *Sichuan Univ., China*
Dong Tao, *Sichuan Univ., China*

Workshop Chair

Wenqiang Lei, *Sichuan Univ., China*

Web Chairs

Jiawei Wang, *St. Francis Xavier Univ., Canada*
Tinghua Zhang, *Hainan Univ., China*

Track 3: Data Systems

- Storage and File Systems
- High Performance Access Toolkits
- Compiler and Runtime Support
- Real-time Data Intensive Systems
- Multi/many-core Platforms
- Big Data and Cloud Computing

Track 4: Data Applications

- Business and Finance Applications
- Industrial Data Applications
- Bioinformatics Applications
- Healthcare and Medical Services
- Applications in Soil and Water
- HPC Systems for Data Applications
- Future Data Applications

Sponsors



Special Session
Jun. 30, 2022

Submission Deadline
Sep. 01, 2022

Author Notification
Oct. 15, 2022

Final Manuscript Due
Nov. 10, 2022