

The 1st Italian Conference on Big Data and Data Science

The Italian Conference on Big Data and Data Science (ITADATA) is the annual event of the CINI National Laboratory on Big Data, gathering the Italian community on Big Data made of researchers and professionals from academia, industry and government working in the area of Big Data and Data Science, as well as in other related fields such as security, privacy and HPC.

ITADATA aims to discuss the future of Big Data and Data Science, considering the multidisciplinary, complex, heterogeneous, and data-centric environment where modern distributed systems are operating, as well as the increasing reliance of modern business processes on timely management and analysis of large amounts of data. In this context, the central role of Data Science in the design and development of the technologies supporting the extraction of value from data in multidisciplinary areas at increasing complexity is also considered.

ITADATA covers both theoretical and practical research pertaining to data, from data governance to data processing and analysis. It also covers research in related domains where data and Data Science technologies are key, such as cloud, edge and IoT, intelligent and high performance computing, blockchain, security and privacy, assurance and certification.

ITADATA 2022 is the inaugural edition of the Conference, hosted by Dipartimento di Informatica "Giovanni Degli Antoni" at the Università degli Studi di Milano. It is structured into a main research track on Big Data and Data Science, a presentation track providing visionary and work in progress ideas, and complemented with 5 tutorials and 5 thematic workshops. ITADATA 2022 also hosts two outstanding keynote speakers (Dr. Francesco Bonfiglio and Prof. Stefano Ceri) and two panels on Big Data for Data Science and Data sovereignty. ITADATA 2022 attracted submissions from national and international researchers of different disciplines of interest. More specifically, the conference received a total of 31 submissions. Following a rigorous double-blind review process, each submission was reviewed by at least three experts in the relevant areas for each paper, based on their significance, novelty, technical quality, presentation, and practical impact. After an intense post-review discussion by the program committee, the conference accepted 15 papers as research papers and 12 as presentations, 3 of the latter have been finally selected for extension and inclusion in the proceedings.

ITADATA 2022 was made possible by the effort of many volunteers who dedicated time and energy for the success of the conference. We would like to thank them all as well as the program committee members for their effort in reading, reviewing, and selecting the papers. Finally, we would like to thank all authors who submitted their work to the conference and all the participants. We hope you find the conference stimulating and helpful for your future research activities.

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