

**XXV International Conference on  
Data Analytics and Management in Data Intensive Domains  
DAMDID/RCDL 2023**

**National Research University 'Higher School of Economics'  
Faculty of Computer Science  
October 24-27, 2023**

<https://damdid2023.hse.ru/>

**Paper submission:** <https://easychair.org/my/conference?conf=damdid2023#>

### **Call for Contributions**

**Aims and scope.** Exponential growth of data practically in all human activity areas, consolidating role to be played by informatics and IT for the development of methods and facilities for data analysis and management in various data intensive domains (DID), study of experience in applying these methods and stimulating their advancement have motivated organization of this conference. Main objective of this conference is to promote the acceleration of research, improvement of their efficiency (quality and visibility of results, competitive ability) at the expense of the enhancement of methods and facilities for data analysis and management in DID. It is expected that the mutual complementarity of approaches in interdisciplinary DID will contribute to the creation of the corporate culture generalizing methods for data analysis and infrastructures development applicable in diverse DID.

**Target audience.** DAMDID conference is a multidisciplinary forum of researchers and practitioners from various domains of science and research promoting cooperation and exchange of ideas in the area of data analysis and management in DID (domain is data intensive if its development is induced by elaboration of data that not necessarily might be “Big”). For participation at the conference the specialists from such DID as X-informatics (where X = astro, bio, chemo, geo, medicine, neuro, physics, etc.), social science, economy, etc., as well

from the areas of statistics, informatics, data mining, machine learning, data science, new technologies and IT, business, etc. are invited.

We welcome papers on interdisciplinary research, but we encourage authors to focus not only on the problems of the domain, but also on the rationale for choosing computer science methods and to analyze the research results from a computer science perspective.

### **Host organizers**

- National Research University “Higher School of Economics”
- Federal Research Center “Computer Science and Control” of the Russian Academy of Sciences
- Moscow ACM SIGMOD Chapter

**Venue.** The XXV International Conference “Data Analytics and Management in Data Intensive Domains” (DAMDID/RCDL 2023) will be held during 24-27 October 2023 in Moscow at the Faculty of Computer Science, National Research University “Higher School of Economics”, 11 Pokrovsky blvd.

### **Important dates**

- Submission deadline for papers: May 15, 2023
- Submission deadline for tutorials: June 1, 2023
- Notification for the first round: July 17, 2023
- Final notification of acceptance: September 1, 2023
- Deadline for camera-ready versions of the accepted papers: October 2, 2023
- Conference: October 24-27, 2023

**Conference language.** Official languages of the conference are both English and Russian. A submission may be presented in any language. Authors may use both languages for their presentation during the conference, slides should be provided in English.

**Conference topics.** The open list of topics proposed for submission is organized in form of the tracks presented in the list given below.

### **Tracks for data analysis, problem solving, experiment organization**

- Problem statement and solving

- Organization of experiments
- Hypotheses and models as constituents of research experiments
- Advanced data intensive analysis methods and procedures
- Conceptual modeling
- Research support in data infrastructures, data intensive use cases

### **Tracks for data management**

- Methods, tools and infrastructures for data acquisition and storage
- Data integration
- Information extraction from observational data in astronomy, spectroscopy, material science, medicine, etc.
- Information extraction from texts
- Research data infrastructures and their applications
- Semantic Web

**Conference Proceedings.** Soon after the conference post-proceedings volumes will be submitted to the **Lobachevskii Journal of Mathematics** (<https://www.springer.com/journal/12202>), to the **Pattern Recognition and Image Analysis** (<https://www.springer.com/journal/11493>), and to the **Automation and Remote Control** (<https://www.springer.com/journal/10513>) for the sake of better visibility of the conference publications by the international scientific community, as well as for indexing the papers in Scopus and Web of Science. Supplementary volume will be submitted to scientific journals like **Systems and Means of Informatics** ([http://www.ipiran.ru/english/journal\\_Systems/index.asp](http://www.ipiran.ru/english/journal_Systems/index.asp)), **Information Technologies and Computing Systems** (<http://www.jitcs.ru/>), or **Artificial Intelligence and Decision Making** (<https://www.aidt.ru/>) for indexing the papers in RSCI.

Previous DAMDID proceedings in Springer's Communications in Computer and Information Science (CCIS, <http://www.springer.com/series/7899>) for 2016-2021 are available at <https://link.springer.com/conference/damdid>. Previous proceedings in CEUR for 2011-2021 are available at <https://ceur-ws.org/>. Proceedings of 2022 are in press as special issues of the Lobachevskii Journal of Mathematics and the Pattern Recognition and Image Analysis; supplementary proceedings are in press as a special issue of the Proceedings of the Institute for Systems Analysis (<http://www.isa.ru/proceedings/>).

**Categories of submissions and reviewing.** The conference structure will include the plenary keynotes and tutorials presented by the leading researchers, regular sessions containing regular and short presentations of the research results obtained in various conference tracks, as well as demo/poster sessions. For young researchers the PhD Workshop is planned. Co-located with the conference the satellite events are also planned including workshops (open and by invitation) and invited sessions. Paper submission rules and templates can be found at the website. Papers in any category should be submitted via EasyChair system.

Two-round single-blind peer-reviewing will be organized. During the first round each paper (demo) is reviewed by at least three PC members. As a result of the first round a paper (demo) can be accepted as a full paper (demo), extended abstract, rejected or recommended to be revised w.r.t. remarks in reviews. All papers recommended to be revised are subjects for the second round of reviewing. During the second round a paper (demo) is reviewed again. As a result of the second round a paper (demo) can be accepted as a full paper (demo), short paper (demo) or rejected.

Top-rated full papers in English (50% of submissions) are included into the Q3 journal volumes (Lobachevskii Journal of Mathematics, Pattern Recognition and Image Analysis, Automation and Remote Control). Other full and short papers (demos) are included in the RCSI journals volumes.

**Program Committee Co-chairs**

- Dmitry Ignatov, NRU Higher School of Economics, Russia
- Sergey Stupnikov, FRC Computer Science and Control, RAS, Russia