

**XXIII International Conference on  
“Data Analytics and Management in Data Intensive Domains”  
DAMDID/RCDL’2021  
National University of Science and Technology MISIS,**

**October 26-29, 2021**

[www.damdid2021.misis.ru](http://www.damdid2021.misis.ru)

Paper submission: <https://cmt3.research.microsoft.com/DAMDID2021/>

### **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 researches, 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.

#### **Host organizers**

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

**Venue.** The XXIII International Conference “Data Analytics and Management in Data Intensive Domains” (DAMDID/RCDL’2021) will be held during 26-29 October 2021 in Moscow at the Thermochemistry of Materials SRC, National University of Science and Technology MISIS.

### **Important dates**

- Preliminary title of the paper: March 30, 2021
- Submission deadline for papers: April 30, 2021
- Submission deadline for tutorials: June 1, 2021
- Notification for the first round: July 15, 2021
- Final notification of acceptance: August 16, 2021
- Deadline for camera-ready versions of the accepted papers: August 31, 2021
- Conference: October 26-29, 2021

**Conference language.** Official languages of the conference are both English and Russian. A submission may be presented in any language. CEUR post-proceedings volume may include both English and Russian papers with not more than 50% of Russian papers. Only English papers are considered as candidates for Springer CCIS post-proceedings volume. 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.** Before the conference, its local electronic proceedings will be published, assigned with ISBN and indexed in Russian Science Citation Index. Soon after the conference two post-proceedings volumes will be submitted to **CEUR Workshop Proceedings** (<http://ceur-ws.org/>) and **Springer's Communications in Computer and Information Science** (CCIS, <http://www.springer.com/series/7899>) respectively for the sake of better visibility of the conference publications by the international scientific community, as well as for indexing the papers in dblp (<https://dblp.uni-trier.de/>) and Scopus. Previous CCIS proceedings are available at <https://link.springer.com/conference/damdid>.

**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. For reviewing the papers of any category should be uploaded to the CMT site (<https://cmt3.research.microsoft.com/DAMDID2021/>).

Authors submit extended abstract (1-4 pages) to be published in local proceedings before the conference. If authors would like their paper to be considered as candidate for CCIS or CEUR volume they should provide a full paper (up to 15 pages) additionally.

Two-round 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 or rejected.

Top-rated full papers in English (35-40% of submissions) are included into CCIS volume. Other full and short papers (demos) are included into CEUR volume. Extended abstracts constitute local electronic proceedings.

### **Program Committee Co-chairs**

- Eva Mendez, Universidad Carlos III de Madrid, Spain
- Alexei Pozanenko, Space Research Institute, RAS, Russia