



**International Workshop
on Data Mining and Knowledge Engineering**

**October 15-16, 2020
Online & Offline
Stavropol, Russia**

Preface

This volume contains the papers presented at the *International Workshop on Data Mining and Knowledge Engineering* held on October 15-16, 2020 in Stavropol and online.

The International Workshop on Data Mining and Knowledge Engineering aims at bringing together scientists with interests in this field to present recent innovations, find topics of common interest and to stimulate further development of new approaches that greatly make efficient the work of a data analyst when performing data analytics, or when employing machine learning algorithms, over Big Data.

Main topics include (but are not limited to):

- Advanced databases and Web applications
- Advanced classification, clustering and forecasting
- AI model training
- Big data
- Crowdsourcing
- Cloud data management
- Competitive analysis of mining algorithms
- Data augmentation
- Data provenance, cleaning, curation
- Data quality and credibility
- Data-related usability and HCI
- Data semantics, integration and metadata
- Data mining in education
- Data mining visualization
- Interactive data mining
- Internet-of-Things mining
- Machine learning for databases
- Semantic web and knowledge management
- Social network analytics
- Statistical and scientific data mining

Submission of papers, review and preparation of proceeding was carried out using a conference management system *EasyChair*. Research papers appearing in this volume were selected after a blind peer-reviewing by at least two reviewers.

The workshop attracted 62 contributions of which 17 papers were accepted for presentation. Additionally, it included 3 invited talks given by Carlos Grilo, Polytechnic of Leiria, Leiria, Portugal, Hong-In Cheng, Kyungsoong University, Pusan, South Korea and Basan Elena, South Federal University, Taganrog, Russia.

The workshop, originally planned to be held in Stavropol, Russia, hosted by

North-Caucasus Federal University, was finally held in Stavropol and online due to the COVID pandemic hitting all around the world during 2020.

We would like to thank all the authors for their submissions, and our Program Committee members and additional reviewers for their precious work.

October 16, 2020
Online
Stavropol, Russia

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