

Nataliya Shakhovska,
Ivan Izonin,
Sergio Montenegro,
Yannick Estève,
Jaime Campos,
Natalia Kryvinska
(Eds.)



Proceedings of the 2nd International Workshop on
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This volume represents the proceedings of the Workshop, with Posters and Demonstrations track, of the 2nd International Workshop on Informatics & Data-Driven Medicine, held in Lviv, Ukraine, in November, 2019. It comprises 33 contributed papers that were carefully peer-reviewed and selected from 67 submissions.

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Preface

It is our pleasure to present you the proceedings of 2nd International Workshop on Informatics & Data-Driven Medicine, held in Lviv (Ukraine) on November 11-13, 2019.

The main purpose of the IDDM workshop is a discussion of the recent research results in all areas of Computer Sciences in Medicine, Medical Data Retrieval, Finding the Hidden Associations within the full set of data and Intelligent Systems Development.

The conference is soliciting literature review, survey and research papers comments including, whilst not limited to, the following areas of interest:

- Deep Learning Models in Healthcare and Biomedicine;
- Machine learning approaches for Biomedical Engineering;
- Artificial Neural Network for Medical Image Processing;
- Computational Biology and Bioinformatics;
- Information retrieval;
- Information extraction;
- Data mining and data analysis;
- High dimensional approximation, probability, and statistical learning;
- Machine learning approaches for Biomedical Engineering;
- Biomedical image analysis and understanding;
- Methods in natural language processing and text-mining applied to medical records;
- Methods for using ontologies for the annotation and indexing of unstructured content as well as semantic web technologies.

The workshop joined scientists from Ukraine, Germany, France, Austria, Sweden, Turkey, Slovak Republic, Czech Republic, Lithuania, Spain, Serbia, Tunisia, Denmark, and Poland, together with practical doctors.

The language of IDDM Workshop is English.

The workshop took the form of oral presentation by invited keynote speakers plus presentations of peer-reviewed individual papers. There was also an exhibition area for poster and demo sessions.

The Organizing Committee received 67 submissions, out of which 33 were accepted for presentation as a regular papers. These papers and extended abstracts were published in this Volume I of IDDM 2019 proceedings.

The workshop would not have been possible without the support of many people. First of all, we would like to thank our partners Ukrainian Regional Chapter of the International Neural Network Society, SoftServe, Sigma and Global-Logic Ukraine. We would like to thank the General and Program Chairs, organization staff, the members of the Technical Program Committees and external reviewers for their excellent and tireless work. We sincerely wish that all attendees benefited scientifically from the conference and wish them every success in their research. It is the humble wish of the conference organizers that the professional dialogue among the researchers, scientists, engineers and doctors continues beyond the event and that the friendships and collaborations forged will linger and prosper for many years to come.

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