

Association for the Development of the Information Society

in collaboration with



Institute of Mathematics
and Informatics,
Bulgarian Academy
of Sciences

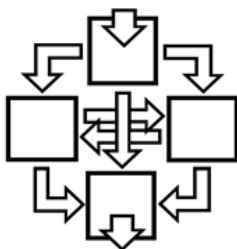


Sofia University
"St. Kliment Ohridski"



Plovdiv University
"Paisii Hilendarski"

16th International Conference *Education and Research in the Information Society*



PROGRAM

October 12, 2023

House of Science and Technique

Plovdiv, Bulgaria

and online using Zoom

October 12, 2023 (Thursday)

11:00 **Opening session**

Chair: Ivan Koychev (Sofia University, Bulgaria)

Session I:

Chair:

11:10 **Welcome Addresses**

11:20 ***Introducing ChatGPT and Generative AI Instruments to University Lecturers – Proposing a Learning Experience Design for a CPD Training***, Albena Antonova (Sofia University, Bulgaria).

11:40 ***Research information in the light of artificial intelligence: quality and data ecologies***, Otmane Azeroual (German Centre for Higher Education Research and Science Studies (DZHW), Germany), **Tibor Koltay** (Eszterházy Károly Catholic University, Hungary).

12:00 ***Modern quasi-gradient stochastic algorithms***, Vladimir Norkin (Igor Sikorsky Kyiv Polytechnic Institute, National Technical University, Ukraine), **Anton Kozyriev** (Igor Sikorsky Kyiv Polytechnic Institute, National Technical University, Ukraine).

12:30 **Lunch break**

Session II:

Chair:

- 13:30 **Medical Term Extraction and Linking in Bulgarian Using Large Language Models**, **Sylvia Vassileva** (Sofia University, Bulgaria), **Svetla Boytcheva** (Ontotext), **Ivan Koychev** (Sofia University, Bulgaria).
- 13:50 **A Novel Hybrid Model for Assamese Text Mining using CNN-LSTM-ASMTc**, **Nayan Jyoti Kalita** (The Assam Royal Global University, India), **Prof Shikhar Kumar Sarma** (Gauhati University, India), **Dr Anupam Das** (The Assam Royal Global University, India).
- 14:10 **Intelligent Adaptation of Difficulty and NPC Behavior in Serious Video Games for Learning**, **Boyan Bontchev** (Sofia University, Bulgaria), **Ivan Naydenov** (Sofia University, Bulgaria), **Ilko Adamov** (Sofia University, Bulgaria).
- 14:30 **Impact of an Educational Maze Game on School Students**, **Valentina Terzieva** (Institute of Information and Communication Technologies - BAS, Sofia, Bulgaria).
- 14:50 Coffee break

Session III:

Chair:

- 15:20 **Learning Analytics in Education: A Review of Research from the Recent Past**, **Kalin Dimitrov** (American University in Bulgaria, Blagoevgrad, Bulgaria), **Eugenia Kovatcheva** (University of Library Science and Information Technology, Sofia, Bulgaria).
- 15:40 **Using software solutions for quality assessment in school education**, **Silvia Gaftandzhieva** (Plovdiv University, Bulgaria), **Mariya Docheva** (Plovdiv University, Bulgaria), **Rositsa Doneva** (Plovdiv University, Bulgaria), **George Pashev** (Plovdiv University, Bulgaria), **George Totkov** (Plovdiv University, Bulgaria).
- 16:00 **Applying Quantitative Methods to Digital Literary Studies: Social Media Data Mining to Study of Reader Preferences**, **Inessa Kevler** (ITMO University, St. Petersburg, Russia), **Krassimira Ivanova** (Institute of Mathematics and Informatics-BAS, Sofia, Bulgaria).

- 16:20 ***Twitter Sentiment Analysis: How Russian Users of Twitter Reacted to the Repurchase and Rebranding of International Companies***, **Anastasiia Medvedenko** (ITMO University, St. Petersburg, Russia), **Ekaterina Gruzova** (ITMO University, St. Petersburg, Russia), **Svetlana Gaivoronskaya** (ITMO University, St. Petersburg, Russia), **Snezhana Besolova** (ITMO University, St. Petersburg, Russia), **Krassimira Ivanova** (Institute of Mathematics and Informatics - BAS, Sofia, Bulgaria).
- 16:40 ***Longitudinal Stability of Wheeled Mobile Robots with movable center of mass***, **Stoyan Lilov** (Institute of Robotics - BAS, Bulgaria), **Vanya Markova** (Institute of Robotics - BAS, Bulgaria), **Nickolay Popov** (Institute of Robotics - BAS, Bulgaria), **Ventseslav Shopov** (Institute of Robotics-BAS, Bulgaria).

17:00 **Closing Ceremony**