

Association for the Development of the Information Society

in collaboration with



Institute of Mathematics
and Informatics,
Bulgarian Academy
of Sciences

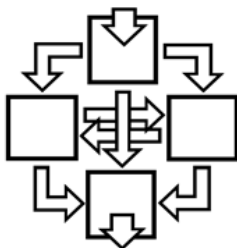


Sofia University
"St. Kliment Ohridski"



Plovdiv University
"Paisii Hilendarski"

15th International Conference *Education and Research in the Information Society*



PROGRAM

October 13 – 14, 2022
Plovdiv, Bulgaria

October 13, 2022 (Thursday)

Opening session

Chair: Ivan Koychev

10:10 **Welcome Addresses**

10:20 **Albena Antonova, Boyan Bontchev.** *Designing Smart Services to Support Teachers to Create Personalized and Adaptable Video-Games for Learning*

10:40 **Olga Georgieva.** *Clustering for Gene Expression Analysis*

11:00 Coffee break

Session I: Natural language processing and knowledge discovery from data and text

11:20 **Valentin Zmiycharov, Gergana Lazarova, Todor Tsonkov, Ivan Koychev.** *StructExtSum - Bulgarian legislation text extractive summarization by structure understanding*

11:40 **Mariya Zhekova, George Pashev, George Totkov.** *An Algorithm for Translation of a Natural Language Question into SQL Query*

12:00 **Elena Tuparova, Andrey Tagarev, Nikola Tulechki, Svetla Boytcheva.** *Analyzing the Evolution of Disinformation on Facebook - a Pilot Study*

12:20 **Veselina Tepavicharova, George Pashev.** *Towards Automated "Lone Wolf" Terrorists Tracking in Facebook*

12:40 Lunch break

Session II: Software development and e-learning of software

- 13:30 **Mariya Zhekova, Nedyalko Katrandzhiev, Harutyun Derderian.** *Automatic conversion of image design into HTML and CSS code*
- 13:50 **Tsvetelin Andreev.** *Bloom with a BLOOM (a computer model of a loom)*
- 14:10 **Todor Ivanov, Nikola Valchanov.** *Deployment model for distributed applications*
- 14:30 **Zdravka Strahinova, Nikola Valchanov.** *On a pluggable model of a code generation platform*

14:50 Coffee break

Session III: Solving problems of e-learning and security by using modelling and analyses

- 15:10 **Hristina Kostadinova, George Totkov, Stoyan Atanasov.** *Automatized SWOT Analysis of the Quality Level in Higher Education Institutions*
- 15:30 **Silvia Gaftandzhieva, Rositsa Doneva, Milen Bliznakov.** *Data Analytics, Students' Academic Performance and Decision-Making in Higher Education*
- 15:50 **Margarita Gocheva, Elena Somova and Nikolay Kasakliev.** *Mobile Game-based Learning Model for Primary School Learners*
- 16:10 **Georgi Tuparov.** *Sandbox Databases in SQL University Courses – State of the art*
- 16:30 **Zlatogor Minchev.** *Proactive Identification of Digital Future Security Transcendents with Mixed Results Assessment*

18:00 Cocktail

October 14, 2022 (Friday)

Session III (continued): Solving problems of e-learning and security by using modelling and analyses

- 10:00 **Silvia Gaftandzhieva, Rositsa Doneva, Milen Bliznakov.** *Data analytics to stimulate career paths in academy*
- 10:20 **Deyana Peykova, Ivelina Velcheva.** *Innovative practices in teachers' and students' trainings*

10:40 Coffee break

Семинар на тема „Дигитална трансформация в музеите и библиотеките: пространства от данни“.
(проект DISTILL, Софийски Университет „Св. Климент Охридски“ и Лаборатория по музеология към Йонийския Университет, Корфу, Гърция)
Chair: Milena Dobрева

- 11:00 Увод в темата: Развитие на европейско пространство от данни за културно наследство
Позициониране на културните институции в пространството от данни

12:30 Lunch break

- 13:00 Потребителите в дигиталното пространство - кой какви данни търси?
Работа по мини проект

14:20 Coffee break

- 14:40 Използване на сбирките като данни в образователни инициативи
Полезни ресурси
Представяне на мини проектите
Заклучение

16:00 **Closing Ceremony**