



Eötvös Loránd University in Budapest

Faculty of Informatics



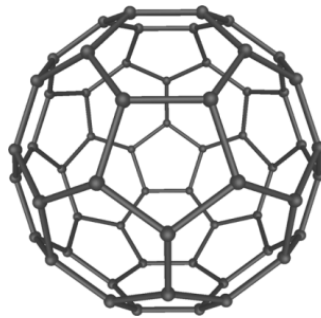
1117 Budapest, Pázmány Péter sétány 1/C.
(Southern building, entrance on the Danube side)

XXIXTH DIDMATTECH 2016

25th-26th August 2016

New methods and technologies in education and practice

Program



2016

XXIXTH DIDMATTECH 2016

25th August 2016

- 09:00 – 10:00 **Registration** (Floor 2, next to the elevators on the Danube side)
- 09:00 – 10:00 **Welcome coffee** (Floor 2)
- 10:00 – 12:00 **Conference Opening Ceremony, Lecture of the invited speaker** (Floor 2, 2.712)
- István Csabai: Galaxies, graphs, genes: Data-intensive approach in sciences
- 12:30 – 13:30 **Lunch** (in Double Delight Restaurant, Infopark, Building "D", 2-min. walk)
- 14:00 – 15:45 **Contributions of the participants in parallel sections**

Section A: Materials and technologies, Programming (Floor 2, 2.202)

Chairpersons: Vladimír Labaš, Gyula Horváth

1. Eva Labašová, Vladimír Labaš: The evaluation of the results of the measurement of the temperature in sliding joint by temperature in sliding joint by thermocouple and thermal camera
2. Alexander Hambalík, Pavol Marák: Possibilities of software recognition of small irregular patterns in biometrics for purposes of fingerprint analysis
3. Ondrej Takáč: The possibility of using thermal cameras
4. Ladislav Várkony: Design and effective calculation of machine components made from composite materials
5. Péter Szlávi, Gábor Törley, László Zsakó: The thinking toolkit of programming

Section B: Modern teaching and learning technologies (Floor 2, 2.124)

Chairpersons: Ildikó Pšenáková, Viktória H. Bakonyi

1. Zoltán Illés, Viktória H. Bakonyi, Zoltán Illés Jnr.: Changing the learning attitude of students by a BYOD system
2. Zoltán Illés: Trending towards a personalized real-time evaluation system based on BYOD
3. Hajnalka Torma: Computational thinking - could we bring it to Hungarian education
4. Ildikó Pšenáková, Veronika Stoffová: Some principles of proper creation of interactive applications
5. Andor Abonyi-Tóth: Designing and implementing a framework and methodology suitable for creating accessible e-learning materials

15:45 – 16:15 **Coffee Break**

XXIXTH DIDMATTECH 2016

25th August 2016

16:15 – 17:40 **Contributions of the participants in parallel sections**

Section A: Algorithms and programming (Floor 2, 2.202)

Chairpersons: Ladislav Várkonyi, Andor Abonyi-Tóth

1. Zsuzsanna Szalayné Tahy, Zoltán Czirkos: Linear search – the breaks in teaching-learning practice
2. Győző Horváth, László Menyhárt, László Zsakó: Viewpoints of programming didactics at a web game implementation
3. László Zsakó, Győző Horváth, Gyula Horváth: Variations on a classic task
4. Sándor Király, Tamás Balla: Code School: A gamified learning portal for computer programming education

Section B: Modern teaching and learning technologies, ICT in education (Floor 2, 2.124)

Chairpersons: Milan Pokorný, Zoltán Illés

1. Milan Pokorný: Interactive elements for algorithms of addition, subtraction, multiplication and division
2. Ladislav Végh: Interactive algorithm animations in education (Interaktiv algoritmus animációk az oktatásban)
3. Krisztina Czakóová: Discovery-based active learning in microworld environment
4. József Udvaros: Visualisation of OOP elements

18:30 – 22:00 Dinner in the Aquarium room of Trófea Restaurant

Address: 1117 Budapest, Hauszmann Alajos utca 6/b.

<http://trofeagrill.com/hu/ettermek-2/ujbudai-ettermek/>

You are kindly requested to find your own way to the restaurant.

Suggested way: Take Tram 1 at Infopark (a 3-min. walk from the conference venue) in the direction of Fehérvári út and get off at the station called Hauszmann Alajos utca/Szerémi út (second stop), and then it takes a 5-min. walk to get to the Trófea Restaurant.

XXIXTH DIDMATTECH 2016

26th August 2016

08:30 – 10:15 Contributions of the participants

Section A: Modern teaching and learning technologies, ICT in education
(Floor 2, 2.202)

Chairpersons: Lilla Koreňová, Gábor Törley

1. Ladislav Várkony, Ryszard Szczebiot: Aplikácie a trendy implementácie vizualizácií a multimédií do (odborného) vzdelávania
2. Stefan Gubo: Using MS EXCEL spreadsheet application in solving maximum flow problems
3. Lilla Koreňová: Possibilities of mobile technologies in elementary education
4. Ákos Valent: Smart solutions in education
5. Veronika Stoffová, Roman Horváth: The Graphical Support for the Didactic Games Creation

10:15 – 10:45 Coffee Break

10:45 – 12:00 Contributions of the participants

Section A: Modern teaching and learning technologies (Floor 2, 2.202)

Chairpersons: Ján Stoffa, Győző Horváth

1. Attila Mahler: Computational thinking in education
2. Martin Ďurko: Computation: Determinants and nature of the second stage of human cognitive processes
3. Veronika Stoffová, Milan Štrbo: Educational technologies to support language teaching
4. Ján Stoffa, Veronika Stoffová: Special aspects of scientific terms

12:00 – 12:30 Closing Ceremony - Evaluation and conclusion of the conference
(Floor 2, 2.712)

12:35 – 13:35 Lunch (in Double Delight Restaurant, Infopark, Building "D", 2-min. walk)