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15th Annual International Scientific Conference – DLCC2023
Theoretical and Practical Aspects of Distance Learning
E-learning & Artificial Intelligence
University of Silesia in Katowice the Faculty of Arts and Sciences of Education in Cieszyn, Poland, Monday 23th and Tuesday 24th October 2023

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15th
Annual International Scientific Conference

Theoretical and Practical Aspects of Distance Learning

Subtitle:
E-learning & Artificial Intelligence

A two-day conference DLCC2023 organized by the Faculty of Arts and Sciences of Education in Cieszyn, Faculty of Social Science, Faculty of Science and Technology in Sosnowiec University of Silesia in Katowice (Poland)

Monday 23th and Tuesday 24th October 2023

www.dlcc.us.edu.pl
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UNIVERSITY OF SILESIA IN KATOWICE

Conference Programme (Time in CET)

DLCC2023 will be held in presence mode venue Novotel Hotel, al. W. Roździeńskiego 16, 40-202 Katowice, Conference Hall and online via ZOOM

22th October (Sunday)

19.00   **Dinner** Novotel Hotel Restaurant (al. W. Roździeński 16, 40-202 Katowice)

23th October (Monday)

09.00–09.10   **Welcoming remarks**

09.10–10.30   **Plenary session** moderated by Eugenia Smyrnova-Trybulska

Pedro Isaias
AI IN EDUCATION: CHATGPT AND BEYOND

Nataliia Morze
CHATGPT – HOW TO TURN AI INTO AN EFFECTIVE ASSISTANT FOR A TEACHER?

Filipe Carrera
ENHANCING STUDENT FLEXIBILITY AND ENGAGEMENT IN ONLINE HIGHER EDUCATION: THE IMPACT OF INSTRUCTOR-CREATED VIDEO MATERIALS

10.30–11.30   **E-round table debate: „E-learning in the Transformation of Education in Digital Society"** moderated by Eugenia Smyrnova-Trybulska and Iwona Mokwa-Tarnowska

AI IN EDUCATION – PERSPECTIVE AND CHALLENGES

Participants: **Prof. Nataliia Morze** – Ukraine
Prof. Piet Kommers – Netherland
Prof. Filip Carrera – Portugal
Prof. Todorka Glushkova – Bulgaria
Prof. Tomayess Issa – Australia
Prof. Xabier Basogain – Spain
Prof. Štefan Gubo – Slovakia

11.30–12.00   **Coffee Break**

12.00–14.00   **Session 1. Chair: Magdalena Roszak**

Todorka Glushkova, Anna Malinova
ADVANTAGES, PROBLEMS AND CHALLENGES IN THE APPLICATION OF AI TECHNOLOGIES IN SCHOOL EDUCATION

Iwona Mokwa-Tarnowska
EVALUATING THE IMPACT OF GAMIFICATION ON LEARNING EFFECTIVENESS IN TECHNICAL VOCABULARY INSTRUCTION

Małgorzata Przybyła-Kasperek, Eugenia Smyrnova-Trybulska, & Piet Kommers
FACTORS IN STUDENTS' VIEWS ON ARTIFICIAL INTELLIGENCE

Milena Janakova, Petr Suchanek
AI INFLUENCING E-LEARNING TO OPTIMIZE SKILLS FOR BUSINESS PROCESSES

Štefan Gubo, Ladislav Végh, Zoltán Fehér, & Ladislav Jaruska
EXAMINATION OF SOLUTION TIMES TO COMPUTER SCIENCE AND PHYSICS TASKS: A STUDY IN SLOVAK AND HUNGARIAN SECONDARY SCHOOL STUDENTS

Edyta Nieduziak
CREATIVITY AGAINST ARTIFICIAL INTELLIGENCE. ON THE POSSIBILITIES AND LIMITATIONS OF USING DISTANCE LEARNING FOR ARTS SUBJECTS

Magdalena Zavodna, Tatiana Havlaskova, Tomas Javorcik, & Katerina Kostolanyova
TEACHER STUDENTS' PERCEPTIONS OF THE ADVANTAGES AND DISADVANTAGES OF ONLINE AND FACE-TO-FACE LEARNING AS A BASIS FOR DESIGNING HYBRID LEARNING

Anna Smelkowska, Agnieszka Karbownik, Barbara Purandare, Sabina Siwiec, Katarzyna Zaorska, Marta Jokiel, Przemysław Keczmer, Karolina Szczeszek, Maurycy Jankowski, Krzysztof Sienicki, & Magdalena Roszak
SUCCESSFUL EXAMPLES OF ASYNCHRONOUS TEACHING – TRENDS IN POLISH MEDICAL INTERACTIVE DISTANCE EDUCATION (GAMES, SIMULATIONS, ANIMATIONS, FILMS)

14.00–15.15   **Lunch** Novotel Hotel Restaurant (al. W. Roździeńskiego 16, 40-202 Katowice)

15.30–17.00   **Excursion to CINIBA, Bankowa 11a**

18.30   **Conference Dinner** Novotel Hotel Restaurant (al. W. Roździeńskiego 16, 40-202 Katowice)

24th October (Tuesday)

Sosnowiec, Będzińska 39, Institute of Computer Science, Hall B4 parter, transport will be provided

09.00–09.05   **Welcoming remarks**

09.05–11.05   **Plenary session** moderated by Iwona Mokwa-Tarnowska and Eugenia Smyrnova-Trybulska

Anna Ślósarz
MOOC LOCALITY

Jolanta Szulc
HOW TO IMPLEMENT AI IN EDUCATION. SCOPE OF RESEARCH AND LITERATURE REVIEW

Isabel Alvarez, Nino Silva
AI IN HIGHER EDUCATION: UTOPIA OR REALITY!

Małgorzata Przybyła-Kasperek, Kornel Chromiński, Eugenia Smyrnova-Trybulska, Nataliia Morze, & Ainur Bazarbayeva
IMPORTANCE, POPULARITY AND ELEMENTS OF EDUCATIONAL PLATFORMS – A STUDY OF THE OPINIONS OF STUDENTS FROM POLAND, UKRAINE AND KAZAKHSTAN

Saima Mehboob
LEVERAGING ARTIFICIAL INTELLIGENCE FOR PLAYFUL AND INCLUSIVE EDUCATION: DEVELOPING SEMI-AUTOMATIC AND ADAPTIVE EDUCATIONAL PATHS

Jan Skalka, Martin Drlik, & Peter Kuna
EXPLORING VIRTUAL REALITY: A THEORETICAL REVIEW OF EDUCATIONAL GOALS, LEARNING DESIGN, AND EVALUATION

Kornel Chromiński, Małgorzata Przybyła-Kasperek, Eugenia Smyrnova-Trybulska, Ainur Bazarbayeva, & Nataliia Morze
COMPARATIVE INTERNATIONAL RESEARCH IN AREA OF EDUCATIONAL PLATFORM AND MOOCS IN OPINION OF IT STUDENTS USING DATA MINING ANALYSING

Valeriia Necherda, Kateryna Bezruk, Zhanna Petrochko, Valentyna Kyrychenko, & Olena Denysiuk
GAMIFICATION AS A MEANS OF FORMATION SOCIALLY SUCCESSFUL PERSONALITY OF A TEENAGER

11.05–11.30   **Coffee Break**

11.30–13.30   **Session 2: „II. New Methods and Technologies in E-learning. Development of Key and Soft Competences by E-learning". Chair: Stefan Gubo and Eugenia Smyrnova-Trybulska**

Ani Epitropova
EVALUATING THE TOOL FOR ENHANCING PRE-SERVICE TEACHERS' DIGITAL COMPETENCIES IN PROFESSIONAL COMMUNICATION AND COLLABORATION

Svitlana Skvortsova, Tetiana Britskan, Tetiana Symonenko, & Kateryna Niedialkova
DEGREE OF READINESS OF TEACHERS OF UKRAINE FOR USE ICT IN THEIR PROFESSIONAL ACTIVITIES: 2019–2022

Tetiana A. Vakaliuk, Dmytro S. Antoniuk, Oksana A. Chernysh, Vlada V. Lukashevych, Anastasiia B. Cheverda, & Valerii V. Kontsedailo
EXPERIENCE OF INVOLVING FUTURE IT PROFESSIONALS IN THE DEVELOPMENT OF LEARNING TOOLS AS AN ELEMENT OF DIGITAL TRANSFORMATION OF EDUCATION

Krzysztof Dziedzic
ADAPTATION OF THE E-LEARNING EXERCISE CREATOR TO THE NEEDS OF PEOPLE WITH DISABILITIES WITH IMPAIRED ACCESS TO EDUCATION

Mariia Astafieva, Oksana Hlushak, Kateryna Hruzdova, & Volodymyr Proshkin
USING MOODLE FOR INQUIRY BASED LEARNING IN MATHEMATICS

Tomasz Kopczyński
PRACTICAL WAYS TO USE AI IN EDUCATION

Małgorzata Przybyła-Kasperek, Filip Smyczek, Eugenia Smyrnova-Trybulska, Nataliia Morze, & Olena Kuzminska
IMPACT OF DATA SOURCES AND BIBLIOMETRIC METHODS ON ASSESSING THE STATE OF ARTIFICIAL INTELLIGENCE IN EDUCATION: A SYSTEMATIC MAPPING ANALYSIS

Workshop: „Priscilla – introduction of a system to support the teaching of artificial intelligence" Hall 203 (Sosnowiec, Będzińska 39)

12.00–13.00   Conducted by Małgorzata Przybyła-Kasperek, Kornel Chromiński, Zbigniew Dendzik, Michał Baczyński, Beata Zielosko, Arkadiusz Nowakowski

13.30–14.45   **Lunch** Axel restaurant, transport will be provided

14.45–16.00   **Session 3. Chair: Tomasz Kopczyński and Eugenia Smyrnova-Trybulska**

Liubov Lokhvytska, Nataliia Martovytska, & Anna Tkachenko
STUDENTS' SCIENTIFIC WORK IN CONDITIONS OF E-LEARNING: REFLECTION OF UNIVERSITY STUDENTS

Oksana A. Chernysh, Tetiana A. Vakaliuk, Y. O. Kanchura, N. P. Plakhotniuk, B. C. Başaran Uysal, & N. A. Panchenko
SURVEY ON THE USE OF ELECTRONIC MULTILINGUAL TERMINOLOGICAL DICTIONARY

Tetiana Symonenko, Svitlana Skvortsova, Kira Hnezdilova, & Tetiana Britskan
DIGITAL TOOLS OF BUSINESS COMMUNICATION IN EDUCATIONAL ORGANIZATIONS OF EUROPE

Angelika Schmid
SOFTWARE GEOGEBRA AS A CONSTRUCTIVISM TEACHING TOOL FOR VISUALIZATION GEOMETRY USING VR AND AR

Yuliia Rudenko, Volodymyr Proshkin, Olha Naboka, Artem Yurchenko, & Olena Semenikhina
USING BLOOM'S TAXONOMY TO ASSESS INFORMATION HYGIENE SKILLS

16.00–16.30   **Coffee Break**

16.30–17.30   **Session 4. Chair: Tomas Javorcik and Eugenia Smyrnova-Trybulska**

Małgorzata Bartoszewicz, Grzegorz Krzyśko, Kamil Cieślak, & Julia Frąckowiak
DIGITAL SUPPORT IN THE IMPLEMENTATION OF CHEMISTRY LABORATORY CLASSES

Iryna Machulina, Liudmila Sorokina, Oksana Shelomovska, Nataliia Sorokina, & Maryna Romaniukha
DEVELOPING INFORMATION CULTURE IN STUDENTS DURING E-LEARNING

Tetiana A. Vakaliuk, Oleksii V. Chyzhmotria, Svitlana O. Didkivska, & Illia Linevych (online)
DEVELOPMENT OF A WEB SERVICE FOR CREATING TESTS BASED ON TEXT ANALYSIS USING NATURAL LANGUAGE PROCESSING TECHNOLOGIES

Hennadii Karimov, Marina Romaniukha, Ivan Karimov, & Natalia Kuzmenko
TRENDS IN DEVELOPING DIGITAL SKILLS OF STUDENTS IN DUAL STUDY MODE

Natalia M. Ruman
PHUBBING AND SOCIAL MEDIA EDUCATION

17.30–17.45   **Conclusions and End of the Conference**