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## The Conference is organized under the auspices of

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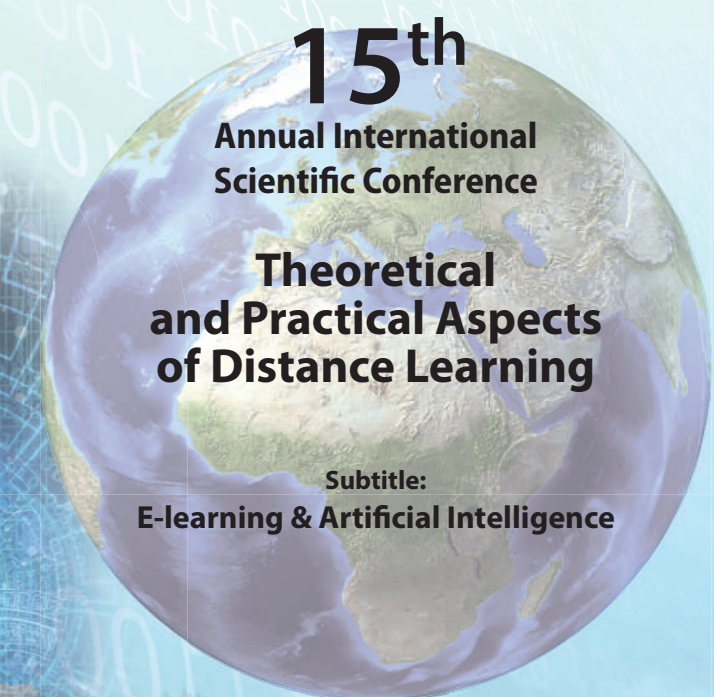
**IADIS – International Association for Development**

**of the Information Society**, a non-profit association

**Polish Pedagogical Society**, Branch in Cieszyn

**Polish Scientific Society for Internet Education**

**Association of Academic E-learning**, Poland



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 23<sup>th</sup> and Tuesday 24<sup>th</sup> October 2023**

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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. Rożdżeńskiego 16, 40-202 Katowice, Conference Hall and online via ZOOM

## 22<sup>th</sup> October (Sunday)

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

## 23<sup>th</sup> 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 Siwec, 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. Rożdżeńskiego 16, 40-202 Katowice)

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

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

## 24<sup>th</sup> 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