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The Conference is organized under the auspices of

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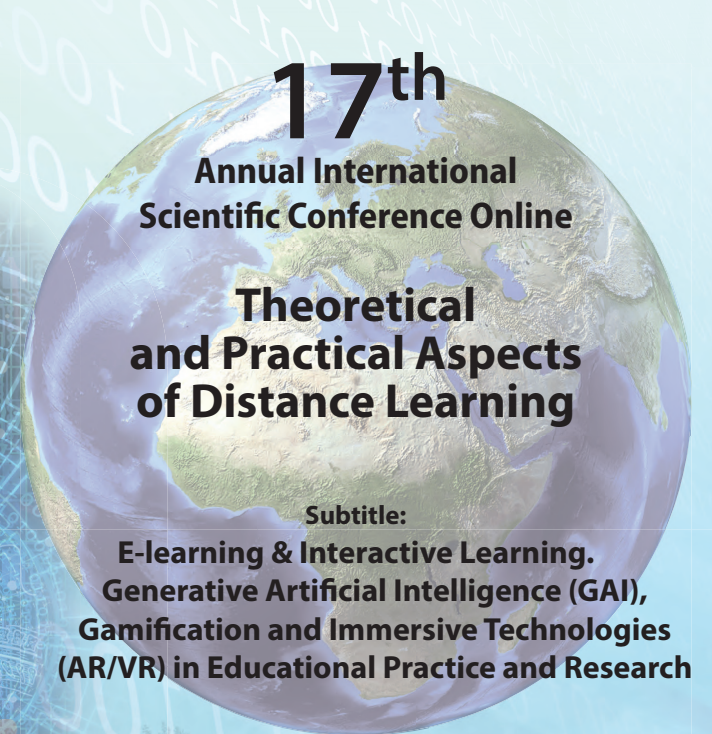
IADIS – International Association for Development

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 DLCC2025 organized by the Faculty
of Arts and Educational Sciences in Cieszyn,
Faculty of Social Science, Faculty of Science
and Technology in Sosnowiec
University of Silesia in Katowice (Poland)**

Wednesday 15th and Thursday 16th October 2025

www.dlcc.us.edu.pl
www.fitped.eu

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UNIVERSITY OF SILESIA
IN KATOWICE



Conference Programme (Time in CET)



DLCC2025 will be held in person at the Conference Hall, Bielska 62, and online via ZOOM
Venue: Bielska 62, Cieszyn, Conference hall, the Faculty of Arts and Educational Science University of Silesia in Katowice

14th October (Tuesday)

19.00 Welcoming Dinner (Restaurant, Liburnia hotel, Liburnia 10, 43-400 Cieszyn, www.liburniahotel.pl)

15th October (Wednesday)

09.00–09.15 Welcoming Remarks

09.15–10.15 Plenary Session moderated by Eugenia Smyrnova-Trybulska

KeyNote Speaker **Prof. Dr. Piet Kommers** (Twente University, the Netherlands)

GENERATIVE AI AND AUGMENTED REALITY FOR DEEP LEARNING

10.15–10.30 Coffee Break

10.30–12.00 Conference Session moderated by Iwona Mokwa-Tarnowska

Snježana Babić

DETERMINANTS OF STUDENTS’ PERCEIVED USEFULNESS OF LARGE LANGUAGE MODELS: THE ROLE OF RELEVANCE, ENJOYMENT, AND EASE OF USE

Svitlana Skvortsova, Tetiana Symonenko, Kira Hnezdilova, Nataliia Andrusiak

ARTIFICIAL INTELLIGENCE IN UKRAINIAN SECONDARY EDUCATION: EMPIRICAL INSIGHTS INTO ITS INTEGRATION IN TEACHING PRACTICE

Nataliia Morze, Olha Barna, Oksana Pasichnyk
TRANSFORMING SCHOOL INFORMATICS EDUCATION IN THE AI ERA: PARADIGM SHIFT, PEDAGOGICAL INNOVATIONS, AND DIGITAL COMPETENCE

Galina Momcheva, Todorka Glushkova
AI THREAT MODELLING ACTIVE LEARNING

Filipe Carrera

HOW TO TRANSFORM YOUR ONLINE TRAINING INTO IMPACTFUL EXPERIENCES

Michal Kabát, Juraj Kovalčík, Magdaléna Švecová, Martin Paučin

ACTIVATING THE POTENTIAL OF GENERATION Z THROUGH MINDLESS GAMES: A LITERATURE REVIEW AND PRE-RESEARCH FRAMEWORK

12.00–12.45 Workshop: “Learning with Interactive Robot Kebbi Air, AI and IoT in Pre-school and Primary Education” (Conference Hall)

Conducted by **Eugenia Smyrnova-Trybulska, Małgorzata Przybyła-Kasperek, Kornel Chromiński, Tomasz Kopczyński**

12.45–13.30 Workshop: “Overview of proprietary VR modules related to geometry” (Conference Hall)

Conducted by **Jacek Stańdo, Tomasz Kopczyński, Adam Nowak, Anita Dąbrowicz-Tłałka, Katarzyna Kujawska, Magdalena Musielak**

13.30–15.00 Lunch (Restauracja Kamienica Konczakowskich Rynek 19, Cieszyn)

15.00–18.00 Excursion to the Castle in Grodziec (Dworska 1, 43-386 Grodziec)

18.30 Dinner (“U Konczakowskich” Restaurant (Restauracja Kamienica Konczakowskich, Rynek 19, Cieszyn)

16th October (Thursday)

09.00–10.00 Roundtable Debate: “E-learning & Interactive Learning. Generative Artificial Intelligence (GAI), Gamification and Immersive Technologies (AR/VR) in Educational Practice and Research” with the participation of experts from different countries moderated by Eugenia Smyrnova-Trybulska and Iwona Mokwa-Tarnowska

Experts: **Prof. Piet Kommers** – the Netherlands
Prof. Todorka Glushkova – Bulgaria
Prof. Nataliia Morze – Ukraine
Prof. Snježana Babić – Croatia
Prof. Štefan Gubo – Slovakia
Prof. Małgorzata Przybyła-Kasperek – Poland
Prof. Filipe Carrera – Portugal
Dr Miroslav Hruby – Czechia

10.00–11.30 Plenary Session moderated by Małgorzata Przybyła-Kasperek

Jacek Stańdo, Anita Dąbrowicz-Tłałka, Katarzyna Kujawska, Magdalena Musielak
FROM BLACKBOARD TO VR: A MODERN LOOK AT SOLVING SYSTEMS OF LINEAR EQUATIONS

Iwona Mokwa-Tarnowska
THROUGH UNIVERSITY STUDENTS’ HEADSETS: TO IMMERSE OR NOT TO IMMERSE IN NEW LEARNING EXPERIENCES

Svitlana Skvortsova, Tetiana Symonenko, Kira Hnezdilova, Yana Haievets
THE USE OF AI-BASED CHATBOTS IN THE PROFESSIONAL ACTIVITIES OF SECONDARY SCHOOL TEACHERS IN UKRAINE: RESULTS OF AN EMPIRICAL STUDY

Eugenia Smyrnova-Trybulska, Oksana Buinytska, Valeriia Smirnova
ARTIFICIAL INTELLIGENCE TECHNOLOGIES FOR RESEARCHERS: ANALYSIS OF THE EXPERIENCE OF UNIVERSITIES IN UKRAINE AND THE EUROPEAN UNION

Martin Drlik, Jan Skalka
TOWARDS CHOOSING APPROPRIATE RESEARCH DESIGN FOR EVALUATING GENERATIVE AI’S IMPACT ON SOLVING COMPLEX TASKS

Todorka Glushkova
INTERDISCIPLINARY APPROACHES TO DEVELOPING DIGITAL COMPETENCIES THROUGH STEAME EDUCATION

11.30–11.45 Coffee Break
11.45–13.30 Conference Session (Conference Hall) moderated by Tetiana Symonenko

Miroslav Hrubý
E-LEARNING IN COMPUTER HARDWARE TEACHING AND LEARNING

Stefan Gubo
INNOVATIVE PHOTOGRAMMETRIC METHODS IN THE DIGITISATION OF CULTURAL HERITAGE

Allaa Barefah
MAPPING THE USE OF DELONE AND MCLEAN INFORMATION SYSTEM SUCCESS MODEL WITH EMERGING TECHNOLOGIES: A SYSTEMATIC LITERATURE REVIEW OF EMPIRICAL RESEARCH

Jan Skalka, Matúš Valko
UNCOVERING COMMON DIMENSIONS IN PLAYER TYPOLOGIES: A STATISTICAL ANALYSIS OF USER MODELS
Joanna Katarzyna Wójcik, Joanna Świętoniowska
MICRO-CREDENTIALS AS EMERGING ACADEMIC PRACTICE: INSIGHTS FROM A PILOT IMPLEMENTATION IN POLISH HIGHER EDUCATION

Mariia Astafieva, Oksana Hlushak, Oksana Lytvyn, Volodymyr Proshkin, Svetlana Semeniaka
ARTIFICIAL INTELLIGENCE IN LEARNING MATHEMATICS: AN ANALYSIS OF STUDENT EXPERIENCE

Nian-Shing Chen, Eugenia Smyrnova-Trybulska, Małgorzata Przybyła-Kasperek
EMPOWERING PRE-SERVICE TEACHERS IN THE ERA OF GENERATIVE AI: PERCEPTIONS AND EXPERIENCES OF TRAINING WITH PEDAGOGICAL AI AGENTS AND R&T LEARNING SYSTEMS

12.00–13.00 Workshop: “FITPED-GAI: Empowering Future Educators with Generative AI” (Hall B 3.6)

Conducted by **Małgorzata Przybyła-Kasperek, Kornel Chromiński**

13.30–14.30 Lunch

14.45–16.00 Conference Session moderated by Miroslav Hruby

Ján Skalka, Matúš Valko, Martin Drlik, Mária Pappová
TOWARDS A UNIFIED MODEL FOR CONTENT PERSONALIZATION IN VIRTUAL ENVIRONMENTS

Liubov Lokhvytska, Nataliia Levinets, Nataliia Martovytska, Tetiana Sheleg, Tetiana Zorochkina
ARTIFICIAL INTELLIGENCE IN TEACHING ENGLISH TO PRESCHOOLERS

Małgorzata Przybyła-Kasperek, Jakub Sacewicz, Paweł Pawełczyk
ANALYSIS OF E-LEARNING COURSE ACTIVITY AT THE FACULTY OF SCIENCE AND TECHNOLOGY, UNIVERSITY OF SILESIA ON THE MOODLE PLATFORM

Ainur Bazarbayeva, Sabina Bekkuly
TRAINING GRADUATES OF ICT FIELDS FOR THE LABOUR

MARKET: TEACHING METHODS, COMPETENCIES, AND EMPLOYER EXPECTATIONS

Sobia Yasmeen

IMMERSIVE TECHNOLOGIES (AR/VR) FOR ENHANCING LEARNING IN MULTICULTURAL CLASSROOMS: ADDRESSING THE NEEDS OF INTERNATIONAL STUDENTS

Saima Mehboob, Alberto Fornasari, Eugenia Smyrnova-Trybulska

A STUDY ON THE IMPACT OF VERSE IN THE METAVERSE: EXPLORING THE ROLE OF AVATARS IN SCIENTIFIC STORYTELLING

16.00–16.15 Coffee Break

16.15–17.45 Conference and Poster Session moderated by Stefan Gubo and Eugenia Smyrnova-Trybulska

Lucie Zormanová

THE USE OF ARTIFICIAL INTELLIGENCE IN ACADEMIC AND PERSONAL LIFE OF UNIVERSITY STUDENTS: A COMPARATIVE STUDY OF CZECH AND POLISH CONTEXTS

Marina Drushlyak, Yuliia Rudenko, Volodymyr Proshkin, Olha Naboka, Olena Semenikhina
DASHBOARDS AS A TOOL FOR DEVELOPING STUDENTS’ ANALYTICAL THINKING IN THE CONTEXT OF E-LEARNING

Miroslav Kamenský, Imrich Szolik, Martin Gabrišák, Ján Halgoš
IMPROVED SUPPORT FOR SELF-STUDY OF SCPI PROGRAMMING VIA PORTABLE ARDUINO DEVICE

Saima Mehboob, Alberto Fornasari, Eugenia Smyrnova-Trybulska
RETHINKING ASSESSMENT IN METAVERSE-BASED TEACHER TRAINING: A THEORETICAL INQUIRY INTO EVIDENCE, COMPETENCE, AND LEARNING

Nataliia Kuhai, Kalinichenko Mykola, Tetiana A. Vakaliuk, Oksana V. Zaika, Iryna V. Hordiienko
THE USE OF DIGITAL EDUCATIONAL RESOURCES IN TEACHING VARIATIONAL CALCULUS TO FUTURE MATHEMATICS TEACHERS

Aleksandra Slonka
MULTIPLAYER GAMES AS A TOOL FOR SUPPORTING LEARNING MOTIVATION, REDUCING SCHOOL-RELATED STRESS, AND DEVELOPING SOCIAL COMPETENCES OF SECONDARY SCHOOL STUDENTS – A METHODOLOGICAL AND PEDAGOGICAL PERSPECTIVE

Hennadii Karimov, Marina Romaniukha, Ivan Karimov, Svitlana Nuzhna
THE IMPACT OF AI ON BUSINESS STUDENTS’ COMPETENCES

Kateryna Yalova, Mykhailo Babenko, Yurii Babenko, Oleksandr Toroshanko
ADAPTIVE E-LEARNING WITH VARK LEARNING STYLE MODEL

Tetyana Yefymenko
METHODOLOGY FOR TEACHING COMPUTER DESIGN DISCIPLINES IN THE ERA OF ARTIFICIAL INTELLIGENCE

17.45–18.00 Conference Closing and Conclusions