DTI University, Slovakia

University College of Teacher Education in Lower Austria

PÄDAGOGISCHE HOCHSCHULE NIEDERÖSTERREICH

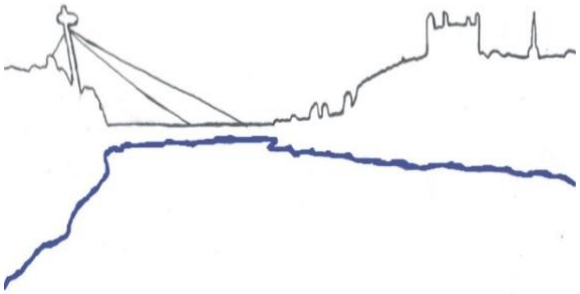
International Society for Engineering Pedagogy – IGIP

Information Society for Engineering and Education
member of the Association of Slovak Scientific and Technological Societies

ENTER Network
(Engineering educators professional development)

PROGRAMME

the 21st International Scientific Conference



SCHOLA 2025

ALL LEARNING PATHS LEAD TO KNOWLEDGE

2. 12. 2025

13:00 – (Brussels time)

Project session

Chairs: Marinič, P., Válek, J.

AIPED PRACTICAL USE OF ARTIFICIAL INTELLIGENCE IN TEACHING AND STUDYING AT THE FACULTY OF EDUCATION OF MU (PPSŘ KA 2.2 AIPED), TOPIC: POSSIBILITIES OF USING AI IN TEACHING

3. 12. 2025

13:00 – (Brussels time)

Pre-Conference workshop

Chair: prof. PaedDr. Ing. Roman Hrmo, PhD., MBA, ING-PAED IGIP

ACCREDITATION, CURRICULUM DEVELOPMENT, QUALITY IN EDUCATION

15:00 – (Brussels time)

Pre-Conference workshop

Chair: doc. PaedDr. Ing. Lucia Krištofiaková, PhD., ING-PAED IGIP

TEACHER TRAINING

4. 12. 2025

CNI
Consiglio Nazionale degli Ingegneri – National Council Italian Engineers
Via XX Settembre 5, Roma

09:30 – 10:00 (Brussels time)

Registration of participants

10:00 – 12:00 (Brussels time)

Conference Opening and Plenary Section

Chair: doc. PaedDr. Juraj Miština, PhD.

CNI representative

Assoc. Prof. Dr. Tiia Rüütmann
President, International Society for Engineering Pedagogy (IGIP)

doc. PaedDr. Juraj Miština, PhD.
University of St. Cyril and Methodius in Trnava

prof. PaedDr. Ing. Roman Hrmo, PhD., MBA, ING-PAED IGIP
Vice Rector, DTI University

Pšenák, P., Pšenáková, I.
ARTIFICIAL INTELLIGENCE AS A TOOL TO SUPPORT TASK DESIGN IN THE FLIPPED CLASSROOM

Krištofiaková, L.
INFORMATION SOCIETY FOR EDUCATION AND TRAINING, ZSVTS MEMBER – THE ASSOCIATION OF SLOVAK SCIENTIFIC AND TECHNOLOGICAL SOCIETIES, SLOVAKIA

Straková, N., Válek, J., Marinič, P.
USING GENERATIVE AI TO EVALUATE PRE-SERVICE TEACHERS' PROJECT-BASED LEARNING DESIGNS

Pondelíková, I., Welnitzová, K.
FROM NEEDS ANALYSIS TO TRAINING: BUILDING AI LITERACY AMONG VET TEACHERS IN SLOVAKIA

12:00 – 13:00 (Brussels time)

Coffee break and refreshments

13:00 – (Brussels time)

Session 1

Presentations

Chair: Mgr. Peter Pšenák, PhD.

Szabó, T., Žitný, R.
THE USE OF ANIMATIONS IN THE EDUCATIONAL PROCESS

Brečka, P., Hašková, A., Valentová, M.
READINESS OF STATE, PRIVATE AND CHURCH KINDERGARTENS TO USE STEM EDUCATION

Luprichová, J.
CURIOSITY-DRIVEN CHANGE: EVALUATING AI TOOLS AND TEACHER PREPAREDNESS IN SLOVAK VET

Tureková, I., Marková, I., Holzknechtová, M., Harangozó, J.
MONITORING OF INDOOR ENVIRONMENTAL QUALITY IN A UNIVERSITY CLASSROOM

Depešová, J., Lednár, A.
MICROCONTROLLERS AS A TOOL FOR AN INTERDISCIPLINARY APPROACH IN EDUCATION

Beták, N., Szőköl, I.
IDENTIFYING CRITICAL AND UNDERDEVELOPED DIGITAL COMPETENCE AREAS AMONG PRE-SERVICE TEACHERS USING THE DIGCOMPEDU FRAMEWORK

Vlčej, J., Adamec, P.
THE INFLUENCE OF DIGITAL TECHNOLOGIES ON STUDENTS' COGNITIVE FUNCTION AND MENTAL HEALTH

Ilenčíková, O.
SOURCES AND MANIFESTATIONS OF STRESS IN THE PROFESSIONAL LIFE OF TEACHERS IN RELATION TO THEIR MANAGERIAL AND KEY COMPETENCIES

Bednárová, M.
LEVEL OF CREATIVITY OF STUDENTS IN STUDY AND VOCATIONAL PROGRAMS AT A SECONDARY SCHOOL

13:00 – (Brussels time)

Session 2

Presentations

Chair: doc. PaedDr. Ing. Lucia Krištofiaková, PhD., ING-PAED IGIP

Tomková, V.
EVALUATION OF A WORKSHOP AS A FORM OF CONTINUING PROFESSIONAL DEVELOPMENT FOR PRIMARY EDUCATION TEACHERS IN THE CONTEXT OF DEVELOPING STUDENTS' MANUAL SKILLS

Kováčiková, E., Bagalová, D., Kráľová, Z.
STUDENTS' AND TEACHERS' DIGITAL PRACTICES IN AND OUT OF CLIL CLASSROOM IN SLOVAKIA

Vnučko, G.
SYNTHESIZING PERSPECTIVES ON FORMATIVE ASSESSMENT IN ELT

Šebo, M., Lednár, A.
PROGRAMMING AND TECHNICAL COMPETENCIES OF STUDENTS WHEN WORKING WITH A MICROCONTROLLER

Myjavec, D.
FACTORS INFLUENCING PRE-SERVICE ENGLISH LANGUAGE TEACHERS' PRESENTATION SKILLS

Kollár Rybanská, J., Tkáč, F., Krpálková Krelová, K., Krpálek, P.
READING COMPREHENSION OF VOCATIONAL TEACHERS IN SLOVAKIA: A CASE STUDY

Krč, M., Strenáčiková, Z.
PEDAGOGICAL STRATEGIES FOR THE DEVELOPMENT OF CRITICAL THINKING, COMMUNICATION COMPETENCES AND EMPATHY IN MANAGING THE PROFESSIONAL DOCTORS´ EDUCATION

Szőköl, I., Osifčin, M., Tóthová, S., Satmáryová, M.
NEW TRENDS IN TEACHING THE SUBJECT OF INFORMATION SOCIETY

Vrábelová, V., Sándorová, Z.
AI-ENHANCED DISTANCE ENGLISH TEACHING: PRE-SERVICE EFL TEACHERS' ATTITUDES AND EXPERIENCES

5. 12. 2025

09:00 – 12:00 (Brussels time)

Session 3

Presentations

Chair: doc. PaedDr. Ing. Lucia Krištofiaková, PhD., ING-PAED IGIP

Lajčin, D., Gabrhelová, G., Barnová, S., Krásna, S., Geršicová, Z.
OPPORTUNITIES FOR TEACHING OCCUPATIONAL SAFETY AND HEALTH (OSH) WITHIN THE DUAL VET SYSTEM

Hašková, A., Tureková, I., Macák, T.
QUALITY ASSURANCE OF PLC SYSTEMS TEACHING AT SECONDARY VOCATIONAL SCHOOLS

Bugárová, A., Krištofiaková, L.
INTERCULTURAL COMMUNICATION AND COMPETENCE IN THE PROCESS OF HIGHER EDUCATION INTERNATIONALIZATION

Tóblová, E., Zemančíková, V.
REFLECTION ON THE TEACHING PRACTICE EXPERIENCE OF STUDENTS OF TEACHER EDUCATION PROGRAMMES

Hašková, A., Danko, F., Záhorec, J.
INCREASING STUDENTS´ MOTIVATION TO STUDY TECHNICAL SUBJECTS THROUGH A CHANGE OF THEIR ASSESSMENT

Jurinová, J., Miština, J.
PERCEPTUAL DIFFERENCES TOWARD WOMEN PROFESSIONALS IN THE FIELD OF INFORMATION TECHNOLOGY AMONG MALE AND FEMALE STUDENTS

Zatkalík, M., Bartelt, S., Hašková, A.
COMPARISON OF THE APPLICABILITY OF GRADUATES OF PEDAGOGICAL FACULTIES TO PRACTICE AT SOŠD

Feszterová, M., Jakubčinová, J., Jenisová, Z., Greczek-Stachura, M., Kania, A.
A STUDY OF EXPERIENCES AND PREFERENCES: COMPARISON OF DISTANCE AND IN-PERSON TEACHING IN CHEMISTRY