

ICSIE 2026

5TH INTERNATIONAL CONGRESS ON SCIENCE, INNOVATION AND EDUCATION

*Internationalization and Transformation
in Contemporary Education, Science and Innovation*

5 - 6 NOVEMBER 2026

UNIVERSITY OF TRAVNIK
TRAVNIK / BOSNIA AND HERZEGOVINA



Revised: 27 November 2026

CONGRESS PROGRAMME

Thursday, 5 November, 2026 | In-Person Presentations

09:30 - 17:00

I. OPENING CEREMONY AND PROTOCOL ADDRESSES

10:00 - 11:00

10:00 - 10:30 | Opening and Welcome Addresses

Nihad SELIMOVIĆ, Chairman of the Board, University of Travnik, *Bosnia and Herzegovina*
Prof. Dr. Rasim DACIĆ, Rector, University of Travnik, *Bosnia and Herzegovina*
Assoc. Prof. Dr. Selin SARILI, Director, Istanbul Şişli Vocational School, *Türkiye*
Prof. Dr. Aybeyan SELİM, Representative, International Vision University, *North Macedonia*

10:30 - 10:35 | Cultural and Artistic Presentation

Short film screening or musical performance

10:35 - 10:45 | Protocol Address and Official Opening of the Congress

Prime Minister of the Central Bosnia Canton

10:45 - 11:00 | Presentation of Commemorative Plaques and Group Photograph

II. INVITED TALKS

11:00 - 11:45

11:00 - 11:15 | The Importance of Artificial Intelligence Applications in Education

Prof. Dr. Klaudio PAP, Dean, Faculty of Graphic Arts, University of Zagreb, *Croatia*

11:15 - 11:30 | Welcome Address

Prof. Dr. Marin MILKOVIĆ, Vice-Rector for Scientific and Artistic Work and International Cooperation University, *North Croatia*

11:30 - 11:45 | Challenges in 21st-Century Education

Bojan DOMIĆ, Minister of Education, Science, Youth, Culture and Sports, Central Bosnia Canton, *Bosnia and Herzegovina*

III. ACKNOWLEDGEMENTS AND LUNCH BREAK

11:45 - 13:00

11:45 - 12:00 | Presentation of Certificates of Appreciation to Invited Speakers

12:00 - 13:00 | Lunch Break

SCIENTIFIC SESSIONS

13:00 - 16:00

Friday, 6 November, 2026 | Online Presentations Only

10:00 - 13:00

SCIENTIFIC SESSIONS

10:00 - 13:00

Thursday, 5 November, 2026 | **In-Person Presentations**

13:00 - 14:30 | PARALLEL SESSION BLOCK (SESSIONS 1 - 4)

ROOM A - SESSION 1: EDUCATION, LEADERSHIP AND DIGITAL LEARNING

Time: 13:00 - 14:30 **Format:** In Person **Session Chair:** To be confirmed

1. THE AI-NATIVE UNIVERSITY: DECONSTRUCTING AND REBUILDING HIGHER EDUCATION FOR THE 21ST CENTURY

Authors: Assoc. Prof. Haris BERKOVAC; MSc. Edina BERKOVAC; MSc. Selver GRABUS

2. DIGITAL COMPETENCES OF TEACHERS IN KYRGYZSTAN

Authors: Dr. Zynat ESENALIEVA; Prof. Dr. Hasan ARSLAN

3. THE ROLE OF THE EDUCATIONAL SYSTEM IN THE SECTOR OF GRAPHIC INDUSTRY, DESIGN, AND MULTIMEDIA IN BOSNIA AND HERZEGOVINA

Authors: Marija GARIĆ; Asst. Prof. Alisa ČABER

4. EXAMINING PRE-SERVICE TEACHERS' SELF-EFFICACY PERCEPTIONS REGARDING DIFFERENTIATED INSTRUCTION ACROSS VARIOUS VARIABLES

Authors: Res. Asst. Tuna ŞAHSUVAROĞLU

5. FROM TRANSLATION TO MEASUREMENT TESTING: A TWO-SAMPLE PILOT STUDY OF THE SCALES OF PARTICIPATIVE LEADERSHIP, TEAM COMMUNICATION, AND PERCEIVED SOCIAL LOAFING IN TÜRKİYE

Authors: Asst. Prof. Dr. Hakan DİLEK; Dr. Burak KIRCA

Discussion / Q&A: 15 minutes

ROOM B - SESSION 2: CHILD DEVELOPMENT, INCLUSION AND LEARNING ENVIRONMENTS

Time: 13:00 - 14:15 **Format:** In Person **Session Chair:** To be confirmed

1. THE EFFECT OF FAMILY TRAINING REGARDING THE SEXUAL DEVELOPMENT OF CHILDREN WITH AUTISM ON PARENTS' LANGUAGE OF SEXUAL COMMUNICATION AND ATTITUDES

Authors: Res. Asst. Gül ÇETİN, Assoc. Prof. Dr. Gizem YILDIZ

2. AN EXAMINATION OF THE POTENTIAL OF OUTDOOR PLAYGROUNDS TO SUPPORT CHILD DEVELOPMENT AND THEIR PHYSICAL CHARACTERISTICS: THE CASE OF ANKARA

Authors: Asst. Prof. Dr. Ceren KILIÇ; Lect. Çağla DURAN YURDACAN

3. CHILDREN'S DIGITAL SAFETY, DIGITAL RIGHTS, AND DIGITAL CITIZENSHIP IN THE AGE OF ARTIFICIAL INTELLIGENCE: A REVIEW OF CURRENT APPROACHES

Authors: Lect. Dr. Şenay ŞİRİN, İrem ÇAKIR DEMİR, Selda BALTA, Burak ALKAN

4. DIGITAL TECHNOLOGIES IN SPORT AND PHYSICAL ACTIVITY PRACTICES FOR INDIVIDUALS WITH DISABILITIES: A SCOPING REVIEW OF ACCESSIBILITY AND INCLUSION

Authors: Lect. Burcu SANİN, Asst. Prof. Dr. Öznur AYIK

Discussion / Q&A: 15 minutes

ROOM C - SESSION 3: DIGITAL HEALTH, PSYCHOLOGY AND INCLUSION

Time: 13:00 - 14:15 **Format:** In Person **Session Chair:** To be confirmed

1. DIGITALIZATION IN PSYCHOLOGY: THE GROWING ROLE OF CYBERCHONDRIA

Authors: Prof. Dr. Müedin Kahveci

2. EDUCATIONAL OUTCOMES OF VIRTUAL REALITY-SUPPORTED MAMMOGRAPHY TRAINING AMONG MEDICAL IMAGING TECHNIQUES STUDENTS

Authors: Assoc. Prof. Dr. Nuran AKYURT, Erem AKYURT BAL

3. THE PSYCHOSOCIAL DIMENSION OF DIGITAL TRANSFORMATION IN CONTEMPORARY HEALTH EDUCATION: DIGITAL STRESS AND STUDENT MENTAL HEALTH

Authors: Asst. Prof. Dr. Sevda Pınar MEHEL TUTUK

4. DIGITAL HEALTH AND ARTIFICIAL INTELLIGENCE IN HEALTH PROFESSIONS EDUCATION: AN ANALYSIS OF NURSING AND FIRST AND EMERGENCY AID CURRICULA

Authors: Lect. Derya BOLAT

Discussion / Q&A: 15 minutes

ROOM D - SESSION 4: ARTIFICIAL INTELLIGENCE, MEDIA AND DIGITAL CULTURE

Time: 13:00 - 14:15 **Format:** In Person **Session Chair:** To be confirmed

1. WHOSE HADİTHS? TRACING ISLAMIC CORPORA IN THE TRAINING DATA OF LARGE LANGUAGE MODELS

Authors: Asst. Prof. Dr. Muhammed Sadık ÖZBEK

2. ARTIFICIAL INTELLIGENCE, COPYRIGHT, AND SCIENTIFIC WORK: REAFFIRMING HUMAN AUTHORSHIP AND THE INCENTIVE TO CREATE IN THE AGE OF GENERATIVE AI

Authors: Assoc. Prof. Dr. Haris HASIĆ

3. THE TRANSPARENCY CRISIS OF GENERATIVE AI VIDEO PLATFORMS AND DIGITAL GRASSROOTS MOVEMENTS

Authors: Lect. Dr. Elif MİRAL OKTAY

4. DIGITAL PARTICIPATION IN THE ERA OF ARTIFICIAL INTELLIGENCE: RECONFIGURING PARTICIPATORY ART IN POSTDIGITAL CULTURE

Authors: Asst. Prof. Alisa ČABER

Discussion / Q&A: 15 minutes

Break: 14:30 - 14:45 (15 minutes)

Thursday, 5 November, 2026 | **In-Person Presentations**

14:45 - 16:15 | PARALLEL SESSION BLOCK (SESSIONS 5 - 8)

ROOM A - SESSION 5: DESIGN, ARCHITECTURE AND THE BUILT ENVIRONMENT

Time: 14:45 - 16:00 **Format:** In Person **Session Chair:** To be confirmed

1. SPORTSPACE: SPATIAL EVIDENCE FOR PLANNING ACTIVE URBAN ENVIRONMENTS IN ILIDŽA-STUP

Authors: Assoc. Prof. Semir POTURAK; Prof. Dr. Amra TUZOVIĆ

3. THE TRANSFORMATION OF TEXTILE MATERIALS IN INSTALLATION ART

Authors: Asst. Prof. Dr. Lütfiye Gül GÜNDÜZ

3. MAVROVO CASE STUDY OF URBAN ECOLOGY AND NATURAL LANDSCAPE AND CONTRIBUTING WITH SUGGESTIONS

Authors: Muhammed RECEP

4. EXPLORING PRESCHOOL CHILDREN'S PREFERENCES FOR KINDERGARTEN INTERIORS USING AI-GENERATED VISUALISATIONS

Authors: Dorotea ABAZ; Dr. Semir POTURAK

Discussion / Q&A: 15 minutes

ROOM B - SESSION 6: CLINICAL MEDICINE, HEALTH AND LIFE SCIENCES

Time: 14:45 - 16:00 **Format:** In Person **Session Chair:** To be confirmed

1. INGUINAL HERNIA SURGERY ACCORDING TO BASSINI AND SHOULDICE METHODS: A COMPARATIVE EVALUATION OF RESULTS

Authors: Prof. Dr. Adnan VRAYNKO

2. THE ROLE OF ULTRASONOGRAPHY IN THE DIAGNOSIS AND TREATMENT OF DYSTOPIC TESTICLES: CLINICAL AND SURGICAL PERSPECTIVE

Authors: Prof. Dr. Adnan VRAYNKO

3. ACUTE BRONCHIOLITIS IN CHILDREN UNDER TWO YEARS: RISK FACTORS FOR SEVERE DISEASE AND CLINICAL MANAGEMENT

Authors: Spec. Dr. Senija KAHVECI

4. THE POTENTIAL ROLE OF BIOACTIVE COMPOUNDS DERIVED FROM FOOD BY-PRODUCTS IN POSTBIOTIC PRODUCTION IN FERMENTED DAIRY PRODUCTS

Authors: Dr. Berrak DELİKANLI KIYAK, Assoc. Prof. Dr. İlkey YILMAZ

Discussion / Q&A: 15 minutes

ROOM C - SESSION 7: SUSTAINABILITY, ENGINEERING AND TECHNOLOGY APPLICATIONS

Time: 14:45 - 16:00 **Format:** In Person **Session Chair:** To be confirmed

1. SUSTAINABLE CAMPUS TRANSFORMATION THROUGH AN ENERGY-WATER NEXUS PERSPECTIVE: THE CASE OF BALIKESIR UNIVERSITY ÇAĞIŞ CAMPUS

Authors: Asst. Prof. Dr. Metin GÜL, Assoc. Prof. Dr. Gülşah ÇELİK GÜL

2. DEVELOPMENT AND FUNCTIONAL VERIFICATION OF A DIGITAL DECISION SUPPORT FRAMEWORK FOR STANDARDIZED TESTING OF TEXTILE LEATHER AND FOOTWEAR MATERIALS

Authors: Dragan ĐORĐIĆ; Samir PAČAVAR; Danijela PAUNOVIĆ

3. METHODOLOGICAL APPROACHES TO THE EVALUATION AND SELECTION OF MEASURING DEVICES

Authors: Prof. Dr. Ifet ŠIŠIĆ

4. AN ANALYSIS OF FACTORS INFLUENCING THE ADOPTION OF TECHNOLOGY IN DISASTER AND EMERGENCY LOGISTICS

Authors: Asst. Prof. Dr. Macide Berna ÇAĞLAR

Discussion / Q&A: 15 minutes

ROOM D - SESSION 8: ARTIFICIAL INTELLIGENCE, HUMAN BEHAVIOR AND CREATIVE PRACTICES

Time: 14:45 - 16:00 **Format:** In Person **Session Chair:** To be confirmed

1. THE DIGITAL TRANSFORMATION OF FLAVOR PERCEPTION: THE RELATIONSHIP BETWEEN ARTIFICIAL INTELLIGENCE AND NEUROGASTRONOMY

Authors: Lect. Öznur HAŞİN

2. THE BAUHAUS MOVEMENT AND LOGOS DESIGNED FOR ITS 100TH ANNIVERSARY

Authors: Lect. Dr. Tuğçe BULUT

3. ARTIFICIAL INTELLIGENCE AND ADVERTISING CREATIVITY WITH A FOCUS ON CHATGPT AND GEMINI: A REVIEW OF ACADEMIC STUDIES IN TÜRKİYE

Authors: Master's Student Sinem HOŞGÖR

4. THE TRANSFORMATION OF GRAPHIC DESIGN'S VISUAL LANGUAGE IN THE AGE OF GENERATIVE AI: CULTURAL REPRESENTATION, VISUAL HOMOGENIZATION, AND CULTURAL AUTHENTICITY

Authors: Lect. Dr. Çınar Derya İNCESU KARAHAN

Discussion / Q&A: 15 minutes

End of In-Person Presentations

Friday, 6 November, 2026 | **Online Presentations Only**

SESSION 9: ARTIFICIAL INTELLIGENCE AND DIGITAL TECHNOLOGIES

Time: 10:00 - 11:30 **Format:** Online **Session Chair:** To be confirmed

1. EPISTEMOLOGICAL RELIABILITY OF LARGE LANGUAGE MODELS IN HADITH RESEARCH: A COMPARATIVE ANALYSIS OF GPT-4, GEMINI, CLAUDE, AND DEEPSEEK

Authors: Asst. Prof. Dr. Ali Fuat FUTSİ

2. CROSS PLATFORM HOME SCREEN WIDGET DATA SYNCHRONIZATION IN OFFLINE-FIRST MOBILE WORK TRACKING APPLICATIONS: THE WORKTRACK ARCHITECTURE

Authors: Asst. Prof. Dr. Erhan TURAN

3. DEVICE-FREE MOTION DETECTION VIA WI-FI RSSI AND MOBILE APP: WIFIAREARESEARCH

Authors: Asst. Prof. Dr. Erhan TURAN

4. ENTERPRISE RESOURCE PLANNING ADOPTION IN BUSINESS SECTOR IN BOSNIA AND HERZEGOVINA: AN EMPIRICAL ANALYSIS

Authors: Nedžad Pirić

5. COMPARATIVE ANALYSIS OF AI-BASED VOICE MODELS: A MULTI-LLM CONSENSUS APPROACH

Authors: Fehmi SKENDER; Ilker ALİ; Emrije Agai-Lochi; Mehmet Talha UZ

Discussion / Q&A: 15 minutes

SESSION 10: EDUCATION, SOCIETY, ETHICS AND HUMAN DEVELOPMENT

Time: 11:30 - 13:00 **Format:** Online **Session Chair:** To be confirmed

1. FROM THE INDIVIDUAL TO SOCIETY: A COMPARISON OF PIAGET'S AND VYGOTSKY'S APPROACHES TO COGNITIVE DEVELOPMENT

Authors: Asst. Prof. Dr. Şehida Rizvançe Matsani

2. AN EXAMINATION OF THE POTENTIAL OF OUTDOOR PLAYGROUNDS TO SUPPORT CHILD DEVELOPMENT AND THEIR PHYSICAL CHARACTERISTICS: THE CASE OF ANKARA

Authors: Asst. Prof. Dr. Ceren KILIÇ; Lect. Çağla DURAN YURDACAN

3. ALIGNING FASHION AND TEXTILE HIGHER EDUCATION WITH GLOBAL INDUSTRY NEEDS

Authors: Master's Student Erna FEJZIĆ MUNJAKOVIĆ; PhD Candidate Kristina SAVIĆ; PhD Candidate Mina MAZIĆ

4. THE PATIENT'S RIGHT TO REFUSE MEDICAL TREATMENT UNDER FRENCH LAW: A CASE STUDY OF JEHOVAH'S WITNESSES

Authors: Roza Deniz Demir

5. THE PROFESSIONAL ROLE AND ETHICAL BOUNDARIES OF PSYCHOLOGIST IN AI-ASSISTED PSYCHOLOGICAL COUNSELLING

Authors: Prof. Dr. Havva Şabani; Assoc. Prof. Dr. Yasemin Şabani; Assoc. Prof. Dr. Esra Baki

Discussion / Q&A: 15 minutes

SESSION 11: ARCHITECTURE, STRUCTURAL ENGINEERING AND APPLIED MODELING

Time: 11:30 - 13:00 **Format:** Online **Session Chair:** To be confirmed

1. FIRE PERFORMANCE ASSESSMENT OF STEEL-CONCRETE COMPOSITE STRUCTURAL ELEMENTS IN MULTI-STOREY BUILDINGS ACCORDING TO EUROCODE

Authors: Assoc. Prof. Dr. Engin ILJAZI; Assoc. Prof. Dr. Merjem KAPROLI MUCHI

2. COMPARATIVE ASSESSMENT OF GEOMETRIC CHARACTERISTICS, MECHANICAL BEHAVIOR, AND ENERGY DISSIPATION PERFORMANCE OF CURVED METALLIC SEISMIC DAMPERS

Authors: Assoc. Prof. Dr. Merjem KAPROLI MUCHI; Assoc. Prof. Dr. Engin ILJAZI

3. SPONTANEITY AS A DESIGN PRINCIPLE: RETHINKING THE SOCIAL POTENTIAL OF RESIDENTIAL STREETS

Authors: Sümeyye Mustafa-aga ZHUPANI

4. LE CORBUSIER'S FREE PLAN RECONSIDERED: SELECTIVE OPENNESS AND THE PUBLIC/PRIVATE DIVIDE IN MODERN HOUSES, 1912-1975

Authors: Levent Menga

5. PREDICTIVE MODELING AND CLINICAL RISK ASSESSMENT OF PATHOLOGICAL ALPHA-FETOPROTEIN (AFP) LEVELS USING MACHINE LEARNING ALGORITHMS

Authors: Fehmi Skender; Biljana ILKOVSKA

Discussion / Q&A: 15 minutes

End of Online Presentations

End of the Congress