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: 30 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
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
Nihad SELIMOVIĆ, Chairman of the Board, University of Travnik, *Bosnia and Herzegovina*

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 | Adapt or Fall Behind: AI as the New Organizational Imperative
Mateja Fras VENUS, Mag. Prim. Educ. University North, Koprivnica, *Croatia*

11:45 - 12:00 | Advanced Systems for Early Fire Detection
Senior Lecturer Marko OŽURA, Karlovac University of Applied Sciences, *Croatia*

III. ACKNOWLEDGEMENTS AND LUNCH BREAK — 11:45 - 13:00

12:00 - 12:15 | Presentation of Certificates of Appreciation to Invited Speakers

12:15 - 13:00 | Lunch Break

SCIENTIFIC SESSIONS — 13:00 - 16:00

Friday, 6 November, 2026 | Online Presentations — 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 - 14:15 **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. 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

3. EXAMINING PRE-SERVICE TEACHERS' SELF-EFFICACY PERCEPTIONS REGARDING DIFFERENTIATED INSTRUCTION ACROSS VARIOUS VARIABLES
Authors: Res. Asst. Tuna ŞAHSUVAROĞLU

4.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 - 14:30 **Format:** In Person **Session Chair:** To be confirmed

1. WHOSE ḤADĪTHS? 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 HASİĆ

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

5. THE DIGITAL TRANSFORMATION OF FLAVOR PERCEPTION: THE RELATIONSHIP BETWEEN ARTIFICIAL INTELLIGENCE AND NEUROGASTRONOMY
Authors: Lect. Öznur HAŞİN

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 - 7)

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

Time: 14:45 - 16:15 **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 TUZOVİĆ

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. THE BAUHAUS MOVEMENT AND LOGOS DESIGNED FOR ITS 100TH ANNIVERSARY
Authors: Lect. Dr. Tuğçe BULUT

5. 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

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 KAHVECİ

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. İlkay 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

End of In-Person Presentations

Friday, 6 November, 2026 | Online Presentations

SESSION 8: ARTIFICIAL INTELLIGENCE AND DIGITAL TECHNOLOGIES

Time: 10:00 - 11:45 **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: WIFIAREASEARCH
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

6. EXPLORING PRESCHOOL CHILDREN'S PREFERENCES FOR KINDERGARTEN INTERIORS USING AI-GENERATED VISUALISATIONS
Authors: Dorotea ABAZ; Dr. Semir POTURAK

Discussion / Q&A: 15 minutes

SESSION 9: EDUCATION, SOCIETY, ETHICS AND HUMAN DEVELOPMENT

Time: 11:45 - 13:30 **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 SUSTAINABILITY-THEMED ANIMATED FILMS FROM THE PERSPECTIVE OF PHILOSOPHY FOR CHILDREN APPROACH
Authors: Master's Student Çisem ARICI; Asst. Prof. Dr. Ayşe Gül ÖZAŞKIN ARSLAN

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

6. 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

Discussion / Q&A: 15 minutes

SESSION 10: ARCHITECTURE, STRUCTURAL ENGINEERING AND APPLIED MODELING

Time: 11:45 - 13:30 **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 ILJAZİ; 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 ILJAZİ

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

6. DIGITAL COMPETENCES OF TEACHERS IN KYRGYZSTAN
Authors: Dr. Zyinat ESENALIEVA; Prof. Dr. Hasan ARSLAN

Discussion / Q&A: 15 minutes

End of Online Presentations

End of the Congress