ErgoWork
Ergonomics & Workplace Management Society

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ErgoWork 2026, https://ergoworksociety.com/

4th International Biennial Conference of the Romanian Society on Ergonomics and Workplace Management

Timisoara, Romania, November 12 - 13, 2026

PROGRAM OF THE SCIENTIFIC COMMUNICATIONS,

Thursday, 12th Nov. 2026

14:00 – 15:00 **LOCATION:** Bulevardul Take Ionescu nr. 46C, Timisoara	 https://artencounters.ro/expozitie/picasso-en-visite/

LOCATION: GreenForest, 28 Simion Bărnuțiu str., Timisoara, Romania, Exhibition Hall	**15:00 – 19:00 Registration of the participants** zoom Video Conferencing https://bit.ly/zoom81191411013
15:30 – 16:30 (hybrid)	**Opening ceremony**: ***Ergonomics for Mind and Machine — Shaping Resilient Work Systems*** supported by the ErgoWork Association, UPT and GreenForest. **1.** Prof. Anca DRAGHICI (ErgoWork & Politehnica University of Timisoara, Romania) – ***The dimension of ErgoWork 2026: Bridging Mind and Machine in the Future Workplace*** **2.** Prof. Andrew THATCHER (President of IEA) - ***International messages from International Ergonomic Association*** (online video) ***3.*** Assoc. Prof. Jasna LEDER HORINA (University of Zagreb, Croatia) & Assoc Prof. Beata MRUGALSKA (Poznan University of Technology, Poland) – ***A message from FEES & CRE community*** **4.** Prof. Gyula SZABO (Obuda University, Hungary) – ***Prevention Before Intervention: An Ergonomics Perspective on Mental Health at Work*** **(online)** **5.** Prof. Dr. Aleksandar ZUNJIC (University of Belgrade, Serbia) - ***The Role of Ergonomics in Society*** **6.** Prof. Gabriela MIRCEA (West University of Timisoara, Romania) & Dr. Maria BOATCA (ErgoWork & Politehnica University of Timisoara, Romania) – ***VirtualEDU: A Solution for Ergonomics Education of Remote Trainers, Workers & Managers***, https://www.virtual-edu.eu/
16:30 – 17:00	**Coffee break with networking**

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17:00 – 18:30 (on site)	**17:00 – 18:30 Panel session A - Dr. Eng. Sebastian CAPOTESCU (ErgoWork & GreenForest) – Introduction into the ErgoWork Panel world** **17:00 – 17:30 1st Panel session B - Human Capability Agency and Meaning in the Age of AI (with the support of FEES and EUOSHA Ergonomics for Mental Health at Work and in cooperation with the Romanian EU-OSHA National Focal Point, represented by INCDPM Alexandru Darabont - https://osha.europa.eu/en/about-eu-osha/national-focal-points/romania)** **Panelists**: Sebastian CAPOTESCU (ErgoWork & GreenForest), Alin GAUREANU (ErgoWork, Profrom Office), **17:45 – 18:15 2nd Panel discussion**: **ErgoWork for Industry 5.0 & in the AI Era** **Panelists**: Sebastian CAPOTESCU (ErgoWork & GreenForest), Oana HAIDU, Cristian NECULITA (FM Manager at Flex), Raluca CIBU BUZAC, Alexandra MALAIES (Atos), Andreea ANGHEL
17:00 – 19:30 (online)	zoom Video Conferencing **https://bit.ly/zoom81191411013** **INVITED SPEAKERS** **CHAIR**: Assoc. Prof. Violeta FIRESCU & Prof. Živilė STANKEVIČIŪTĖ 1. Prof. Živilė STANKEVIČIŪTĖ (Kaunas University of Technology, Lithuania) - ***Shaping the Future of Work: Integrating Work, Workforce, and Workplace for Human-Centred and Resilient Systems*** 2. Rafael PIACENTI (Founder & CEO of ElevaLife, Brassil) - ***Corporate Health & Ergonomics: Strategic Leadership in Well-being and Sustainable Performance*** **PAPERS PRESENTATION** **CHAIR**: Assoc. Prof. Violeta FIRESCU & Prof. Živilė STANKEVIČIŪTĖ Edina Gabor / Developing Leadership Commitment in Psychosocial Safety Climate Research Elvis Pumarica, Vanessa Erazo, Santiago Salazar and Jorge Gordon / Heat Stress and Its Impact on Greenhouse Work Related to Worker Dehydration at a Flower Farm Specializing in Summer Flowers Brigget Buenaño Diaz, Vanessa Erazo Chamorro and Sonia Ruiz Martínez / Relationship Between Technostress and Visual Fatigue Among Clinical and Administrative Hospital Staff During 2026 Karen Briggith Pacheco Fassler, Jorge Gordon Rogel, Santiago Mauricio Salazar Torres and Ricardo Patricio Arciniega Rocha / Ergonomic Risk Exposure and Its Relationship with Musculoskeletal Symptoms Among Field and Postharvest Workers at a Flower Farm Valeria Alexandra Mora Arcos, Santiago Mauricio Salazar Torres, Paúl Nicandro Malacatus Cobos, Rudolf Nagy and Jorge Alejandro Córdova Castillo / Physical Hazards: Lighting Conditions and Their Relationship With Work Performance and Visual Fatigue Among Employees Of A Public Institution in Carchi, Ecuador Ronaldo Leon, Vanessa Erazo, Edina Gabor and Ricardo Arcinega / Assessment of Psychosocial Risk and Its Relationship with Work performance among slaughterhouse workers, 2026
18:30 – 20:00	**ErgoWork Cocktail & Networking with exhibitions and demonstrations**

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Friday, 13th Nov. 2026

9:00 – 16:00 **LOCATION:** Conference Centre of the Politehnica University of Timisoara, Vasile Parvan Blv, No 2B, **ROOM K1**	**REGISTRATION** 9:30 Opening ceremony (ROOM K1) - Official messages from the host organization and the other organizations Prof. Andrew THATCHER (President of IEA) - ***International messages from International Ergonomic Association*** (online video message) Prof. Anca DRAGHICI (ErgoWork & Politehnica University of Timisoara, Romania) – ***The dimension of ErgoWork 2026: Bridging Mind and Machine in the Future Workplace***
10:00 - 11:30	**PLENARY SESSION** • Assoc prof. Jasna LEDER HORINA (University of Zagreb, Croatia) - ***Ergonomics, Biomechanics and Transport Safety: A Croatian Research Perspective*** • Prof. habil. Jorg NIEMANN (Duesseldorf University of Applied Sciences) - ***Cognitive Ergonomics in the Age of AI*** • Prof. Stelian BRAD (Technical University of Cluj-Napoca, Romania) - ***From Intelligent Ergonomics to Ergonomic Intelligence: Rethinking Human Work in the Age of AI***
11:30 – 12:00	**Coffee break (Buffet in the conference Lobby)**
12:00 – 13:30	**PLENARY SESSION** • Prof. Lăcrămioara STOICU-TIVADAR (Politehnica University of Timisoara, Romania) - ***The Living Network - Convergence of AI, Technology, and Digital Health Ecosystems*** • Assoc. prof Dr. Arch. Anamaria Andreea ANGHEL (Politehnica University of Timisoara, Romania) - ***Multifunctional Interior Design as a Strategy for Sustainable Built Environments: Bridging Professional Practice and Design Education*** • Dr. Laria-Maria TRUSCULESCU (Victor Babeș University of Medicine and Pharmacy, Timișoara) - ***Immersive Calm: Harnessing Virtual Reality as a Non-Pharmacological Aid*** • ***Visit of the 360° Immersive Room at Politehnica University Timisoara (UPT)*** (**REAL LIFE DEMO**), https://www.upt.ro/articole/primul-spatiu-de-proiectie-imersiva-360-din-sistemul-universitar-romanesc-la-upt
12:00 – 14:00 (online) Microsoft Teams	 **MDPI ONLINE workshop for PhD Students** **Invited speaker: Prof. Elena Cristina RADA (University of Insubria, Italy)** Please find below the Microsoft Teams meeting details: Date: 13 November 2026 / Time: 12:00 PM-2:00 PM Join the meeting: **https://teams.microsoft.com/meet/339407992994348?p=jPDOFUowrfnreAP1pG** Meeting ID: 339 407 992 994 348 7 / Passcode: Rw9Ve3p9
13:30 – 14:00	**Lunch break (Buffet in the conference Lobby)**
14:00 – 16:00	**PARALLEL SESSION (on site and online), Room K1, K2, online** **POSTERS EXHIBITION & NETWORKING, K1 & K2 Lobby**

14:00 – 15:30	**Visit** of the MV sci-art Cultural Center (https://www.metacontemporary.ro/mvsciart/) and the Muhle House (https://www.upt.ro/evenimente/povestea-casei-muhle)
19:00 – 23:00	**Dinner with Ergonomic Networking** Casa Politehnicii 2 Restaurant, Str. Mihai Eminescu nr 11, Timisoara

VENUE INFORMATION

ErgoWork Day 1 – GreenForest, 28 Simion Bărnuțiu str., Timisoara, Romania, the Exhibition Hall
More info can be found at: https://www.greenforest.ro/
LOCATION Day 1: https://maps.app.goo.gl/ydA3VroroQbbGkoi7

ErgoWork Day 2 - Conference Centre of the Politehnica University of Timisoara, Vasile Parvan Blv, No 2B, ROOM K1 & K2
More info can be found at: https://www.upt.ro/
LOCATION Day 2: https://maps.app.goo.gl/wo8nUmY5Xu58hac88

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PARALLEL SESSIONS OFF-LINE 14:00 – 16:30 (10 minutes of ppt for each paper)

Room K1	Room K2
Chair: Prof. Nicoleta CARUTASU & Dr. Arch. Anamaria Andreea ANGHEL	**Chair: Prof. Mircea FULEA & Prof. George DRAGHICI**
• Stefania Danila et.al / ERGONOMIC STRUCTURES IN COMMUNITY SPACES AND PUBLIC PLAYGROUNDS • Alexandra-Gabriela Ardeleanu et al. / STOCHASTIC PREDICTIVE M2V SYNCHRONIZATION FOR HUMAN-CENTRED JUST-IN-TIME LOGISTICS • Andrei-Alexandru Trandafir, George Căruțașu, Nicoleta-Luminița Căruțașu and Alexandra-Gabriela Ardeleanu / THEORETICAL MODELLING OF THE ERGONOMIC SUPPORT POTENTIAL OF A CONTEXT-AWARE TRAIN DRIVER ASSISTANCE SYSTEM • Rebecca Chincea and Sabina Potra / Evaluating Innovative Training Activities in Cross-Border Education: Participants' Perceptions and Gender Differences • Andreea Gruița et al. / ERGONOMIC DESIGN OF A SMART EDUCATIONAL HOLOGRAPHIC SYSTEM USING EYE TRACKING ANALYSIS • Diana Patricia Tucu et al. / ERGONOMIC RISK ASSESSMENT IN BUILDING INSTALLATION MAINTENANCE: LINKING SUSTAINABILITY AND PHYSIOTHERAPY PERSPECTIVES • Stefan Timpea, Cristian Cosma and Ruben-Adrian Centea / DESIGN AND DEVELOPMENT OF AN ACTIVE COOLING SYSTEM FOR LAPTOP COMPUTERS • Irina Sălăgean-Mohora and Anamaria Andreea Anghel / COGNITIVE ERGONOMICS OF VISUAL COMMUNICATION: A COMPARATIVE STUDY OF HUMAN-DESIGNED AND AI- RECONSTRUCTED POSTERS • Andrei Agache et al. / ERGONOMIC EXPOSURE ASSESSMENT IN MADE-TO-ORDER FURNITURE PRODUCTION	• Elena Ilyes et al. / Knowledge Capitalisation Mechanisms as Human Capital Safeguards in Complex Technical Projects: An Empirical Study in an Engineering Organisation • Isabella Forai et al. / A Formally Defined Measurement Bundle Taxonomy and LLM-Assisted Configurator for Instrumentation Planning in Human-Robot Collaboration • Moundher Mouaki Benani, Iasmina Onescu, Larisa Ivascu and Cristina Tudoran / FROM URBAN HEALTH TO URBAN ERGONOMICS: AN INTERDISCIPLINARY FRAMEWORK FOR ASSESSING HEALTHY, INCLUSIVE AND SUSTAINABLE PUBLIC SPACES – A CASE STUDY IN TIMISOARA • Larisa Ivascu, Timea Cisma, Mircea Boscoianu, Simona Rus and Andrei Agache / THE RESTAURANT AS A WORKPLACE: CIRCULAR ECONOMY INTERVENTIONS IN WATER, ENERGY AND MATERIAL FLOWS, ASSESSED BY CUSTOMERS, OPERATORS AND SUSTAINABILITY SPECIALISTS • Awni Jaber and George Draghici / QUALITY 5.0 IN MANUFACTURING: SYSTEMATIC LITERATURE REVIEW • Sirbu Gabriel et al. / INTEGRATING HUMAN FUNCTIONAL REQUIREMENTS FOR COMPLEXITY-COMPATIBLE HMLV MANUFACTURING • Horea-Vlad Giurgiu et al. / A SYSTEMATIC REVIEW OF DIGITAL TWINS IN HORECA • Andrei Crisan, Catalin Andrei and Sorin Herban / A HUMAN-CENTRED APPROACH TO HEALTH AND SAFETY INFORMATION MANAGEMENT UNDER ISO 19650-6

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POSTERS EXHIBITION & NETWORKING (K1-K2 LOBBY)

1. Andrei Stefan Iacob et al. / OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT IN INDUSTRY 5.0: APPLICATION OF FUNCTIONAL RESONANCE ANALYSIS METHOD IN HUMAN-COBOT INTERACTION
2. Mădălina-Giulia Bobocea et al. / ERGONOMIC RISK PROFILING AND PREDICTIVE MODELING OF OCCUPATIONAL ACCIDENTS ON ROMANIAN CONSTRUCTION SITES: A HUMAN-CENTRED, PROOF-OF-CONCEPT APPROACH TO RESILIENT WORK SYSTEMS
3. Alexandru Cană et al. / AN EDGE-FIRST MULTI-SENSOR ASSISTANCE SYSTEM FOR REAL-TIME OCCUPATIONAL RISK PREVENTION IN AUTOMOTIVE REPAIR WORKSHOPS: DESIGN AND MULTI-SITE PILOT VALIDATION
4. Demetrius Petrescu Dubic et al. / IMES/SIMDQ ARCHITECTURE FOR ERGONOMIC QUALITY MONITORING SYSTEMS IN AUTOMATED MANUFACTURING
5. Constantin Luca et al. / TASK-DEPENDENT AIRBORNE ASBESTOS FIBRE RELEASE DURING INTERVENTIONS ON BUILDING MATERIALS: AN EXPERIMENTAL EXPOSURE AND TOXICITY STUDY FOR OCCUPATIONAL RISK CONTROL
6. Adrian Moise et al. / A BARRIER-BASED CYBER-PHYSICAL MONITORING AND REAL-TIME ALERTING SYSTEM FOR EXCAVATION SUPPORT WORKS IN THE PROXIMITY OF BURIED PRESSURISED PIPELINES
7. Alex Țăpîrdea et al / AN INTEGRATED MULTIDIMENSIONAL RISK-EVALUATION MODEL (MIER-SP) FOR OCCUPATIONAL HEALTH AND SAFETY IN ADVERTISING-PANEL PRODUCTION WORKSHOPS: DEVELOPMENT AND EXPERIMENTAL VALIDATION
8. Marian Zamfir et al. - AN INTEGRATED FIVE-DIMENSIONAL RISK-EVALUATION MODEL (MIER) WITH CONTROL-EFFICACY AND INTERACTION TERMS FOR GSM ANTENNA INSTALLATION WORK AT HEIGHT
9. Bogdan Ivan et al. / A SOURCE–TRANSFER–RECEPTOR MULTI-CRITERIA FRAMEWORK FOR EVALUATING THE ENVIRONMENTAL PERFORMANCE OF MODERN MUNICIPAL LANDFILLS
10. Ștefan Teodor Țepure et al. /AN EXPLAINABLE MULTI-PARAMETER MONITORING MODEL FOR FUEL PIPELINE TRANSPORT AND TERMINAL STORAGE: CORRELATION RULES, COMPOSITE ANOMALY SCORING AND OPERATOR-CENTRED ALARM MANAGEMENT
11. Nicoleta Ene Merloi et al. / FROM STATIC SIGNAGE TO ADAPTIVE GUIDANCE: A HUMAN-CENTRIC DIGITAL SYSTEM FOR EMERGENCY EVACUATION AND OCCUPATIONAL SAFETY AT CULTURAL EVENTS HELD IN UNCONVENTIONAL SPACES
12. Maria-Vasilica Mustață at al. / CALCULATION ELEMENTS REGARDING THE PRODUCTION OF A COMPLEX SHAPE PART FROM DIFFERENT MATERIALS
13. Bogdan-Nicolae Stoian, Nicoleta-Luminița Căruțașu, Alexandra-Gabriela Ardeleanu, Constantin-Adrian Popescu and George Căruțașu / SUSTAINABLE MULTIMODAL TRANSPORT BEYOND EMISSIONS: OPERATOR ERGONOMICS IN LOGISTICS NODES AS A STRATEGIC FACTOR IN INDUSTRY 5.0
14. Lavinia Iloie, Luisa Izabel Dungan, Carmen Holotescu and Simina Ștefania Mariș / PREDICTING TEACHERS' PERCEPTIONS OF SYSTEM-LEVEL SUPPORT FOR WELL-BEING: AN EXPLORATORY ORGANIZATIONAL-ERGONOMICS AND MACHINE-LEARNING STUDY IN ROMANIA
15. Ovidiu Maran, Luisa Izabel Dungan, Lavinia Maria Iloie, Mihaela Popa, Adrian Eugen Cioabla and Valentin Laurentiu Ordodi / INSTRUMENTED ASSESSMENT OF DRIVER POSTURE ACROSS THREE SEAT-STEERING-WHEEL CONFIGURATIONS: A SINGLE-PARTICIPANT PILOT STUDY USING WEARABLE MOTION SENSORS
16. Cristina Szocs, Maria Elena Boatca and Anca Draghici / HUMAN-CENTRED ERGONOMICS ANALYSIS ON REDUCING ROUTING ERRORS IN AUTOMOTIVE WIRING HARNESS ASSEMBLY: AN INDUSTRIAL CASE STUDY

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PARALLEL SESSIONS ON-LINE 14:30 – 16:30

zoom Video Conferencing https://bit.ly/zoom81191411013

Room	Room 1
Chair:	**Dr. Alin GAUREANU & Prof. Jorg Niemann**
14:30	• Andrada Denisa Babut Matei, Raluca Cepreaga Moldoveanu, Mihai Popescu-Stelea and Roland Iosif Moraru / ERGONOMIC RISK ASSESSMENT AT THE AMBULANCE SERVICE OF CLUJ COUNTY • Iliuta-Marius Avram, Diana Raluca Rob, Mariana Luminita Anghelus Grecu, Daniela Margarit Ruse and Roland Iosif Moraru /ERGONOMIC ANALYSIS OF PERSONAL PROTECTIVE EQUIPMENT: PERCEPTION OF WORKERS ON AN ENERGY CONSTRUCTION SITE • Robson Antonio Tavares Costa, Nadiane de Aguiar Coutinho Costa and Carmina Nune, ACTIVE AND CONTINUOUS LEARNING CYCLE METHODOLOGY: PROPOSAL AND VALIDATION PROTOCOL FOR PEDAGOGICAL INNOVATION IN HIGHER EDUCATION • Gyuri Bodi, Mihaela Baritz, Cornel Druga, Mirela Gabriela Apostoaie, Angela Repanovici and Anca-Ioana Tataru / ASSESSMENT OF THE LEVEL OF RISK AND PREDICTION OF PROGRESSION OF MYOPIA IN THE ORTHOKERATOLOGY PROCEDURE IN CHILDREN/YOUNG PATIENTS • Anca-Ioana Tataru, Mihaela Baritz, Cornel Druga, Mirela Gabriela Apostoaie, Angela Repanovici and Gyuri Bodi / IMPLEMENTATION OF ASSESSMENT SCORES IN BIOMECHANICAL MANAGEMENT ON A WALKING CYCLE • Andrei-Nicolae Toșu, Roxana-Mariana Nechita, Marius-Ionel Anton, Dana-Corina Deselnicu and Mihnea Alexandru Moisescu / MULTI-CRITERIA EVALUATION AND RANKING OF ASSISTIVE TECHNOLOGY DESIGN FEATURES USING THE MOORA METHOD • Marcell Alexander Venegas Sánchez, Gema Nathaly Molina Ormaza, Jorge Alejandro Cordova Castillo, Péter Leisztner and Gyula Szabo / BIOLOGICAL RISK ASSESSED WITH BIOGAVAL-NEO 2018 AND PERCUTANEOUS INJURY INCIDENCE IN CRITICAL CARE AREAS OF AN ECUADORIAN TERTIARY HOSPITAL, 2025-2026 • Andrea Lizeth Castillo Portilla, Sonia Elizabeth Ruiz Martínez, Jéssica Valeria Medrano Aulestia, Ferenc Faragó and Gyula Szabó / QUALITATIVE AND SEMIQUANTITATIVE METHODS FOR OCCUPATIONAL BIOLOGICAL RISK ASSESSMENT IN HEALTHCARE SETTINGS: A SYSTEMATIC REVIEW AND COMPARATIVE CRITICAL ANALYSIS • Raluca Iordache, Delia Mihaila, Viorica Petreanu, Alina Trifu, Vicentiu Ciocirlea and Iulian Ivan / PSYCHOSOCIAL RISKS FACTORS AND PROFESSIONAL SOLICITATIONS IN ELECTRICAL NETWORK DISPATCHERS - A MULTIDISCIPLINARY ERGONOMIC STUDY
16:30	