

# ErgoWork

Ergonomics & Workplace Management Society

**Friday, 17 June 2022 – ErgoWork Scientific Day (Virtual room 1)**

**9:00** (Romania time, GMT+3) **Registration & Welcome coffee**

To know your local time, please check <https://www.timeanddate.com/worldclock/>

**Link ErgoWork 2022: <https://upt-ro.zoom.us/j/94717861379>**

**10:00** – Opening ceremony

Messages from the co-organizers and other ergonomics association

**10:30 – 10:50** ErgoWork 2022 – A new beginning in the new normal context



**Prof. Anca DRAGHICI**



**Prof. Larisa IVASCU**

Politehnica University of Timisoara, Ergonomics and Workplace Management Society in Romania

**10:50 – 11:10** Ergonomics and Human Factors Regional Educational CEEPUS Network  
– News from the coordinator



**Prof. Eur. Erg. Dr. Gyula SZABO**, Óbuda University, Hungarian Ergonomics Society, FEES representative for Communication and Promotion Committee

**11:10 – 11:30** A human factors perspective on safety culture: case studies. News from the European Ergonomist Community



**Associate Prof. PhD, DSc, Eng. Beata Mrugalska**, Poznan University of Technology, representative of the Centre for Registration of European Ergonomists (CREE)

**11:30 – 12:00 Coffee break**

**Link ErgoWork 2022: <https://upt-ro.zoom.us/j/94717861379>**

**12:00 – 12:30 Ergonomic risk assessment using artificial intelligence.  
ergoIA – software solution for using AI in ergonomics studies**



**Cristina García BERMELL**



**Luís Ruiz OLMOS**

Instituto de Biomecánica, Universidad Politecnica de Valencia (IBV), Spain

**12:30 – 12:50 Ergonomic assessment of picking from carousels using OCRA index**



**Prof. Goran Dukic**, Faculty of Mechanical Engineering and Naval Architecture,  
Department of Industrial Engineering, University of Zagreb, Croatia

**12:50 – 13:10 Customer, King or Clay? The multiple mediating roles of job satisfaction  
and work stress in the relationship between customer-related social stressors and  
turnover intention**



**Assoc. Prof., Dr. Oguz Basol**



**Dr. Esin Cumhur Yalcin**

Department of Labor Economics and Industrial Relations, Kirklareli University, Turkey

**13:10 – 13:30 Conclusions and final discussions. Organizational issues**

**13:30 – 14:30 Lunch Break**

**14:30 – 16:30 F2F & Virtual Parallel sessions**

**19:30 – 22:00 ErgoWork 2022 Dinner with networking (F2F)**

**Friday, 17 June 2022 – Parallel Virtual Sessions (Alin Gaureanu, [alin.gaureanu@upt.ro](mailto:alin.gaureanu@upt.ro), ZOOM General technical support)**

Start	<b>14:30 – 16:00 (Romania time, GMT+3)</b> <b>ROOM 1: <a href="https://upt-ro.zoom.us/j/94717861379">https://upt-ro.zoom.us/j/94717861379</a></b> <b>Chair</b> Larisa Ivascu & Muddassar Sarfraz <b>Technical Support</b> Dorian Stef, <a href="mailto:dorian.stef@upt.ro">dorian.stef@upt.ro</a>	<b>14:30 – 16:00 (Romania time, GMT+3)</b> <b>ROOM 2: <a href="https://upt-ro.zoom.us/j/94717861379">https://upt-ro.zoom.us/j/94717861379</a></b> <b>Chair:</b> Calin Neamtu & Gyula Szabo <b>Technical Support</b> Sabina Potra, <a href="mailto:sabina.potra@upt.ro">sabina.potra@upt.ro</a>
	<b>Organizational learning. Online &amp; Hybrid Learning/Working</b>	<b>New Approaches in Industrial Ergonomics</b>
14:30	[1] Muhammad Ibrahim Abdullah, Muddassar Sarfraz, Larisa Ivascu, Shafa Ghafoor and Ilknur Ozturk, AN EMPIRICAL STUDY ON CONSUMER'S PURCHASE INTENTIONS TOWARD ONLINE SHOPPING IN PAKISTAN	[1] Mihaela Popa, Anca Mocan, Sabina Potra, Luisa Dungan, Andrei Borborean and Marian Mocan, SPOT-WELDING POSTURE ANALYSIS USING CAPTIV T-SENS WIRELESS MOTION SENSORS
14:45	[2] Benedict Valentine Arulanandam, Ben-Oni Ardelean and Vikineswaran A Maniam, SEPARABLE OR INSEPARABLE - RELATIONSHIP BETWEEN COMPANIES' CSR ACTIVITIES AND FINANCIAL PERFORMANCE: A MALAYSIAN PARADIGM	[2] Andrei Drăguț and Sabina Potra, SOFTWARE FOR EFFECTIVE HUMAN RESOURCE MANAGEMENT
15:00	[3] Stef Dorian and Teban Laura, THE FUTURE OF JOBS AND LIFELONG LEARNING IMPLEMENTATION	[3] Vanessa C. Erazo-Chamorro, Ricardo P. Arciniega-Rocha and Gyula Szabo, SAFETY WORKPLACE: FROM OF POINT OF VIEW OF ERGONOMICS AND OCCUPATIONAL BIOMECHANICS
	[4] Stef Dorian and Madalina David, ERGONOMICS AND POSTURAL ASSESSMENT OF DENTISTS TO PREVENT MUSCULOSKELETAL DISORDERS, DESIGNING AN ERGONOMIC CHAIR	[4] Vanessa C. Erazo-Chamorro, Ricardo P. Arciniega-Rocha and Gyula Szabo, INTELLIGENT SYSTEM FOR KNEE ERGONOMIC POSITION ANALYSIS DURING LIFTING LOADS
15:20	[5] Diana Andreescu, Alexandra Petcu and Sebastian Capotescu, COWORK 15': A HYBRID WORK RESEARCH METHODOLOGY AND A COWORKING PILOT CONCEPT	[5] Alina Trifu, Daniel Onut Badea and Paul Fogarassy, OCCUPATIONAL SAFETY ISSUES RELATED TO WORKERS WITH DISABILITIES – A SYSTEMATIC REVIEW
15:35	[6] Oguz Basol and Hüseyin Sevgi, FINDING THE BEST COUNTRIES FOR DIGITAL NOMADS: EFFICIENCY MEASUREMENT OF THE DIGITAL NOMAD INDEX	[6] Radu Comes and Calin Neamtu, HEAD-MOUNTED DISPLAY WEARABLE DEVICES ERGONOMICS AND USABILITY
15:45	[7] Raluca Maria Iordache, Delia Mihaila, Doru Costin Darabont and Viorica Petreanu, ANALYSIS OF MENTAL EFFORT AND ITS SUBJECTIVE AND PSYCHOPHYSIOLOGICAL INDICATORS FOR GAS TRANSPORT DISPATCHERS	[7] Dilara Muhacir, Muhammed İdris Aktaş and Eren Ozceylan, REBA AND RULA ERGONOMIC RISK ASSESSMENTS OF OPERATORS IN A MAINTENANCE AND REPAIR WORKSHOP OF A TEXTILE FACTORY
16:00	[8] Raluca Stepa, Maria Haiducu and Iuliana Scarlat, LAYMAN WITH A TWIST TRAINING POSTERS ON CHEMICAL RISKS (only abstract)	[8] Bagus Arbi, Nyoman Adiputra, Ketut Tirtayasa, I Putu Gede Adiatmika, AN ERGONOMIC APPROACH TO LAPTOP BACKPACK TO REDUCE PHYSIOLOGICAL COMPLAINTS AND INCREASE PRODUCTIVITY

**Friday, 17 June 2022 – Parallel sessions (with parallel Virtual rooms)**

Start	<b>14:30 – 16:00 (Romania time, GMT+3)</b> <b>ROOM 3: <a href="https://upt-ro.zoom.us/j/94717861379">https://upt-ro.zoom.us/j/94717861379</a></b> <b>Chair</b> Iosif Roland Moraru & Gabriela Prostean <b>Technical Support</b> Olivia Giuca, <a href="mailto:olivia.giuca@upt.ro">olivia.giuca@upt.ro</a>	<b>14:30 – 16:00 (Romania time, GMT+3)</b> <b>ROOM 4: <a href="https://upt-ro.zoom.us/j/94717861379">https://upt-ro.zoom.us/j/94717861379</a></b> <b>Chair:</b> Laurentiu Slatineanu & Geroge Draghici <b>Technical Support:</b> Geroge Draghici, <a href="mailto:george.draghici@upt.ro">george.draghici@upt.ro</a>
	<b>Ergonomics and psychology. Professional Stress</b>	<b>Manufacturing trends and Ergonomics</b>
14:30	[1] Catalin Valentin Dregan, Roland Iosif Moraru, Mihai Popescu-Stelea and Gabriel Bujor Babut, RISK AT WORK: ASSESSMENT IN A ROMANIAN PRECAST CONCRETE ELEMENTS MANUFACTURING COMPANY	[1] Laurentiu Slatineanu, Margareta Coteata, Oana Dodun, Florentin Cioata, Adriana Munteanu, Adelina Hrituc, Gheorghe Nagit and Andrei Mihalache, ERGONOMIC APPROACH TO TEACHING ONLINE ACTIVITY USING PRINCIPLES OF AXIOMATIC DESIGN
14:40	[2] Izabella Kovacs, Iosif Roland Moraru, Angela Nicoleta Gaman, Daniel Pupazan and Cristian Nicolescu, MANAGEMENT OF WORK-RELATED STRESS IN THE CONTEXT OF INTERVENTION AND RESCUE ACTIVITY – CASE STUDY	[2] Constanta Rînjea Cas. Costache, Anamaria Ioana Feier, Roxana Oana Chivu, Claudia Borda and Marilena Gheorghe, MONITORING TEMPERATURE, HUMIDITY AND AIR VELOCITY LEVELS IN A FACTORY IN THE AUTOMOTIVE COMPONENT MANUFACTURING INDUSTRY
14:50	[3] Manuela Avadanei, Ionut Dulgheriu, Dorin Ionesi and Emil Loghin, PREVENTION OF THE CONSEQUENCES OF SPECIFIC STRESS FOR ACTIVITIES IN THE CLOTHING INDUSTRY	[3] Constantin-Catalin Niculescu, MANAGEMENT PROCESSES AT SOFTWARE LEVEL TO ENHANCE INTELLIGENT VEHICLES ERGONOMICS
<b>15:00 F2F</b>	[4] Silviu Nicusor Suru, Bogdan Mihai Umanschi, Gabriela Prostean and Olivia Giuca, COHESIVE GROUP MODEL FOR WORKING IN AN ONLINE ENVIRONMENT	[4] Dianora Igna and Mădălin-Dorin Pop, IMPACT ANALYSIS ACCORDING TO ISO 26262 STANDARD USING SAFETY ANALYSIS INTEGRATED IN APIS IQ-RM TOOL
<b>15:10 F2F</b>	[5] Bogdan Mihai Umanschi, Silviu Nicusor Suru, Gabriela Prostean and Olivia Giuca, A MODEL OF EFFICIENT LONG TIME IMPLEMENTATION OF PHYSICAL ACTIVITY IN ORGANIZATIONS	[5] Adrian Firu and George Draghici, LITERATURE REVIEW OF PRODUCT DEVELOPMENT IN MASS PERSONALIZATION AND MASS INDIVIDUALIZATION
<b>15:20 F2F</b>	[6] Ioana Fărcean, Gabriela Prostean and Erika Ardelean, ASPECTS CAUSED BY THE TRANSITION TO A GREEN ECONOMY, ON THE MANAGEMENT OF WASTE THAT CONTAIN IRON	[6] Alin Tapirdea and George Draghici, LITERATURE REVIEW ABOUT MANUFACTURING SYSTEMS FOR MASS CUSTOMIZATION AND INDIVIDUALIZATION
<b>15:30 F2F</b>	[7] Larisa Ivascu, Timea Cisma and Mihai Ardelean, THE IMPORTANCE OF CIRCULAR ECONOMY. CIRCULAR BEHAVIOR MODELS IN ROMANIA	[7] Ionelia Roșca Ciocan, SAFER AND HEALTHIER NOISE ENVIRONMENT IN WOODWORKING WORKSHOPS
<b>15:40 F2F</b>	[8] Ancuta-Elena Paven, Gabriela Banaduc and Anca Draghici, WORKPLACE DESIGN FROM A SUSTAINABLE LIFELONG PERSPECTIVE	[8] Marica Elena, Sârb Adina and Popa Maria, BIBLIOMETRIC STUDY OF THE LITERATURE ON ERGONOMICS IN CONSTRUCTION

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Start	<p><b>14:30 – 16:00 (Romania time, GMT+3)</b>  <b>ROOM 5: <a href="https://upt-ro.zoom.us/j/94717861379">https://upt-ro.zoom.us/j/94717861379</a></b>  <b>Chair</b> George Carutasu &amp; Matei Tămășilă  <b>Technical Support:</b> Alin Gaureanu, <a href="mailto:alin.gaureanu@upt.ro">alin.gaureanu@upt.ro</a></p>	<p><b>14:30 – 16:00 (Romania time, GMT+3)</b>  <b>ROOM 6: <a href="https://upt-ro.zoom.us/j/94717861379">https://upt-ro.zoom.us/j/94717861379</a></b>  <b>Chair</b> Brigita Gajšek &amp; Davor Sumpor  <b>Technical Support:</b> Maria Elena Boatca,</p>
	<p><b>Ergonomics and Safety with Applications</b></p>	<p><b>Ergonomics Applications</b></p>
14:30	<p>[1] Matei Tamasila and Rebecca Chincea, ERGONOMICS COMMUNICATIONS IN ORGANIZATIONS. OVERVIEW OF THE PATTERNS OF COMMUNICATION NETWORK IN ORGANIZATIONS.</p>	<p>[1] Simona Šinko, Anca Draghici, Maria Elena Boatca, Goran Dukic and Brigita Gajšek, RAISING WORKPLACE SUSTAINABILITY WITH ERGONOMICS ASSESSMENT METHODS</p>
14:40	<p>[2] Dorin Bordeasu, FEASIBILITY STUDY FOR INTEGRATING A HIGH-POWER PHOTOVOLTAIC GENERATOR INTO AN EXISTING IRRIGATION SYSTEM</p>	<p>[2] Davor Sumpor, Matea Čelić and Mislav Stjepan Žebec, SEPARATED AND COUPLED EFFECTS OF ILLUMINATION, ACCUMULATED NOISE AND TASK COMPLEXITY ON COGNITIVE-MOTOR PERFORMANCE DYNAMICS</p>
14:50	<p>[3] Alin Gaureanu, Maria Elena Boatca and Nicoleta Paula Neag, ERGONOMIZING THE RECORDS OF OCCUPATIONAL SAFETY AND HEALTH TRAINING</p>	<p>[3] Davor Sumpor, Sandro Tokić and Mirta Zelenika Zeba, DEGRADATION OF THE PERFORMANCE OF ROAD VEHICLE DRIVERS DUE TO DRIVER FATIGUE</p>
15:00	<p>[4] Cristina Gogulescu, Oana Roxana Chivu, Anamaria Ioana Feier, Claudia Borda and Marilena Gheorghe, INSPECTION AND SAFETY MEASURES IN HIGH ALTITUDE CONSTRUCTION ACTIVITIES</p>	<p>[4] Sandro Tokić, Davor Sumpor and Mirta Zelenika Zeba, DEGRADATION OF THE PERFORMANCE OF ROAD VEHICLE DRIVERS DUE TO THE INFLUENCE OF CABIN DISTRACTIONS</p>
15:10	<p>[5] Vladimir Voicu and George Carutasu, SERVICE TRAINS FOR MODERN RAILWAY MAINTENANCE IN EUROPE</p>	<p>[5] Nedžad Musabašić, Davor Sumpor, Marko Slavulj and Jasna Leder Horina, POSSIBLE IMPACT OF LOCAL AUTOMATION OF TRAM PRIORITY ON THE DRIVER'S WORKLOAD AND PERFORMANCE</p>
15:20	<p>[6] Vladimir Voicu and George Carutasu, AN OVERVIEW OF RAILWAY INSPECTIONS AND WORK SAFETY IN GERMANY</p>	<p>[6] Maria Elena Boatca, Anca Draghici, Corina Suteu and Dorina Farcas, PROPOSAL OF A PREVENTION PROGRAM FOR MITIGATION OF WORK-RELATED MUSCULOSKELETAL DISORDERS</p>
15:30	<p>[7] George Carutasu and Nicoleta Luminita Carutasu, INTEGRATED CLOUD BASED SYSTEM USING WEARABLE DEVICES FOR HEALTH AND SAFETY AT WORK</p>	<p>[7] Aleksandar Zunjic and Uros Manojlovic, EVALUATION OF THE USABILITY OF SYMBOLS INDICATING A MALFUNCTION OF AUTOMOBILES</p>
15:40	<p>[8] Eduard Smidu, Oana Chivu, Alina Trifu and Daniel Badea, EVA-RISK METHOD OF RISK ASSESSMENT OF INJURY AND PROFESSIONAL ILLNESS</p>	<p>[8] Maria Elena Boatca, Ioan Mihai Costa, Anca Draghici and Matei Tamasila, ANALYSIS OF SUPPORT SERVICES IN A ROMANIAN UNIVERSITY: PROSPECTS FOR CONTINUOUS IMPROVEMENT</p>
15:50	<p>[9] Eugenia Tudose, Costinel Bulboacă, Doru Darabont, Anamaria Ioana Feier and Roxana Oana Chivu, PROFESSIONAL RISK ASSESSMENT METHOD RELATED TO MANAGEMENT SYSTEM REQUIREMENTS</p>	<p>[9] Georgi Hrenov, DEVELOPMENT OF OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT (<b>only abstract</b>)</p>