

# DoCo 2024, DOCTORAL CONFERENCE, Transilvania University of Braşov

June 26-27, 2024, Sergiu T. Chiriacescu Aula, Address: 41A, Iuliu Maniu St., Braşov

## DETAILED PROGRAMME

Day 1 – Wednesday, June 26, 2024

	8:30-9:00	<b>Registration</b>			
	9:00-9:30	<b>Opening and welcome messages:</b> Prof. Dr. Eng. Ioan Vasile ABRUDAN, Rector of Transilvania University of Braşov (UNITBV) Prof. Dr. Carmen BUZEA, Vice-Rector for Research and IT, UNITBV Prof. Dr. Eng. Cătălin ALEXANDRU, Director of the Council for Doctoral Studies, UNITBV Prof. Dr. Mona ARHIRE, Director of the Interdisciplinary Doctoral School, UNITBV			
	9:30-10:30	<b>Plenary Speech 1: <i>Research in the Era of Artificial Intelligence: Risks or/and Benefits?</i> Dr. George Tsatsaronis, Vice President Elsevier, Amsterdam, the Netherlands - <b>Conference Hall</b></b>			
	10:30-11:00	<b>Coffee break</b>			
<b>Concurrent sessions</b>		<b>Room U.I.2</b> Field: <b>Philology</b> Moderator: Prof. Dr. Rodica Ilie	<b>Room U.I.3</b> Field: <b>Sociology</b> Moderator: Prof. Dr. Codrina Csesznek	<b>Room U.I.6</b> Field: <b>Forest Engineering</b> Moderator: Prof. Dr. Eng. Lidia Gurău	<b>Room U.I.7</b> Fields: <b>Computers and Information technology / Mathematics/ Informatics</b> Moderator: Prof. Dr. Eng. Sorin Moraru
	11:00-12:00	1. <b>Constăndoiu Laura-Alexandra:</b> <i>Temele emigrației în literatura română postdecembristă</i> 2. <b>Neagoe Cristina-Monica:</b> <i>Ambiguizarea și ambiguitățile personajului în romanul lui Nicolae Breban</i> 3. <b>Simon Nicoleta:</b> <i>The Fault of Interpretation: A retrospective onto the Cruelty of Meaning</i>	1. <b>Dincă Ana-Maria:</b> <i>Accesul tinerilor de etnie romă pe piața muncii, în context post-pandemic</i> 2. <b>Popa Dana Flavia:</b> <i>Abordări teoretice și analiză de date la nivel comunitar privind tranzițiile între mediile de îngrijire a pacienților cu cancer avansat</i> 3. <b>Harabagiu Florina-Mădălina:</b> <i>Mediatorul școlar în contextul comunităților de romi din România: o investigație a rolului, metodelor și rezultatelor în educație și în relaționarea școală-comunitate</i>	1. <b>Trocones Boggiano Ana Gertrudis:</b> <i>Study Concerning the Properties and Uses of Pinus Caribaea M. var Caribaea B&amp;G Wood</i> 2. <b>Mazaherifar Mohammad Hassan:</b> <i>Composites Made of Recycled Cardboard</i> 3. <b>Nedelcu Ruxandra:</b> <i>XRF Investigation of Subfossil Oak (Quercus spp.) Wood Revealing Colour-Iron Content Correlation</i> 4. <b>Nicolau Antoniu:</b> <i>Tensile and Compression Bending Moment of L-type Corner Joint with PLA 3D Printed Connector Using FDM Technology</i>	1. <b>Acheampong Rebecca:</b> <i>Balancing Usability and User Experience with Security and Privacy in Extended Reality Systems</i> 2. <b>Cruz de la Osa Reyder:</b> <i>Advancements in Associative Classification: a Comprehensive Review</i> 3. <b>Abreu Hernández Edel:</b> <i>State of the art in Knowledge Graphs from Scientific Texts</i>
	12:00-13:00	1. <b>Arsene Alexandra-Ioana:</b> <i>Istorificarea normalității: O întoarcere a realului în literatură</i> 2. <b>Dumitrașcu Ana-Maria:</b> <i>Milan Kundera and the Literature of Exile: its Reception in France and Romania</i> 3. <b>Macarie Elena-Daniela:</b> <i>Imagology and Communism Representations in Romanian Contemporary Novels</i>	1. <b>Suciu Gabriel Remus:</b> <i>The Four Master Tropes. A Postmodern Romance</i> 2. <b>Pérez Rodríguez Jeanet:</b> <i>Measuring work motivation</i> 3. <b>Samman Rawan:</b> <i>Sense of community and the adjustment of Syrian immigrants</i>		1. <b>Soto Ramos Manuel:</b> <i>Multimodal Interaction Solutions. 'The Way' for Educational Resources</i> 2. <b>Tacă Ioana - Antonia:</b> <i>A New Partial Ordering of Sequences of Real Numbers and Applications</i> 3. <b>Ritan Mihai-Lucian:</b> <i>Maximum Capacity Path Problem with Loss Factors</i> 4. <b>Ritan Mihai-Lucian:</b> <i>Optimizing University Timetables: A Dynamic Genetic Algorithm Solution</i>

	<b>13:00-14:30</b>	<b>Lunch break</b>			
<b>Concurrent sessions</b>		<b>Room U.I.2</b> Field: <b>Philology</b> Moderator: Prof. Dr. Mona Arhire	<b>Room U.I.3</b> Fields: <b>Industrial Engineering / Engineering and management</b> Moderator: Prof. Dr. Eng. Luminița Pârv	<b>Room U.I.6</b> Field: <b>Music</b> Moderator: Lecturer Dr. Noemi Karacsony	<b>Room U.I.7</b> Field: <b>Electronics, telecommunications and informational technologies / Mechatronics and robotics</b> Moderator: Prof. Dr. Eng. Petru Coffas
	<b>14:30-15:30</b>	<p>1. <b>Barba Valentina-Monica:</b> <i>Childhood homes in Lidia Vianu's novel Kaleidoscope</i></p> <p>2. <b>Fazakas Edit:</b> <i>Beyond the Surface: Exploring Symbolism and Oppression in Adichie's Purple Hibiscus</i></p> <p>3. <b>Damian Mihaela Marieta:</b> <i>Reality Conceptualization in the Translation of Warlike Content</i></p>	<p>1. <b>Pupo Pérez Aylín:</b> <i>Research on Sustainable Supply Chain Management Patterns: Current State and Perspectives</i></p> <p>2. <b>Reyes Dominguez Dayron:</b> <i>Main Trend Topics on Industry 4.0 in the Manufacturing Sector. A Bibliometric Review</i></p>	<p>1. <b>Pérez Gómez Ailer:</b> <i>Contemporary Music Festivals in Cuba (1974-1989): Institutional Policies, Musicians, Repertoires, and Critical Reception</i></p> <p>2. <b>Rumayor Hernández Karina:</b> <i>Knowledge Management in Universities</i></p> <p>3. <b>Ichim Diana:</b> <i>Fantasy and Innovation in Deux Pièces pour Clavecin, H. 244 by Bohuslav Martinů</i></p> <p>4. <b>Suciu Magdalena:</b> <i>A Multilevel Analysis of Fazil Say'S Sonata for Violin and Piano Op.7</i></p>	<p>1. <b>Perez Baluja Osmel:</b> <i>Lighting Impulsive Overvoltage Surging from the Ground can Damage the DC/AC Converter in PV Systems</i></p> <p>2. <b>AIHousrya Obaida:</b> <i>A Novel Hybrid Ant Colony Algorithm for Solving the Shortest Path Problems with Mixed Fuzzy Arc Weights</i></p> <p>3. <b>Ben-Nagi Aseel:</b> <i>A novel PID-based Search Metaheuristic Algorithm for Parameter Extraction of Photovoltaic Cells and Panels</i></p>
	<b>15:30-16:30</b>	<p>1. <b>Reyes Suárez Ana María:</b> <i>Structural differences between English and Spanish verb phrases</i></p> <p>2. <b>Luis Carr Roberto:</b> <i>Theories of Language Acquisition and Language Learning</i></p> <p>3. <b>Romero Enriquez Damaris:</b> <i>Neurodidactics and Corpora: Innovative Word Formation for Vocabulary Acquisition</i></p>	<p>1. <b>Goga Alexandru Silviu:</b> <i>Management of large industrial portfolios with the help of AI</i></p> <p>2. <b>Pănoiu Teodora Maria:</b> <i>Sharing Economy</i></p> <p>3. <b>Stelea Nicoleta:</b> <i>Inovarea și dezvoltarea economică regională prin finanțări și facilități pentru întreprinderile mici și mijlocii</i></p>		<p>1. <b>Dolhăscu Elena-Cătălina:</b> <i>Studies Regarding Software Reconfigurable Hardware Systems</i></p> <p>2. <b>Marandskiy Kamal:</b> <i>Crop Identification Using Sentinel 1 and Sentinel 2 Data</i></p> <p>3. <b>Nakshbandi Mohammad Maher:</b> <i>A Multitasking Few-Shot Learning Loop Closure Detection Architecture For Large Scale Simultaneous Localization and Mapping</i></p>
	<b>16:30-17:00</b>	<b>Coffee break</b>			
	<b>15:30-19:30</b>	<b>Workshop: Applied Statistics. Introduction to Bayesian Inference. Dr. George Gunnesch-Luca - Room U.I.6</b>			
	<b>20:00</b>	<b>Festive dinner – Memo Campus Cafeteria-Restaurant, No. 39, Memorandului St., Braşov</b>			

**Day 2 – Thursday, June 27, 2024**

<b>Concurrent sessions</b>		<b>Room U.I.2</b> Field: <b>Forestry</b> Moderator: Prof. Dr. Eng. Ovidiu Ionescu	<b>Room U.I.3</b> Field: <b>Marketing</b> Moderator: Prof. Dr. Gheorghe Epuran	<b>Room U.I.6</b> Field: <b>Medicine</b> Moderator: Prof. Dr. Petru Ifteni	<b>Room U.I.7</b> Field: <b>Electronics, telecommunications and informational technologies</b> Moderator: Prof. Dr. Eng. Daniel Coffas
	<b>9:00-10:00</b>	<p>1. <b>Osewe Erick Odhiambo</b>: <i>Assessing the Fragmentation, Canopy Loss and Spatial Distribution of Forest Cover in Kakamega National Forest Reserve, Western Kenya</i></p> <p>2. <b>Florea Sergiu-Constantin</b>: <i>Testing Volume Reconstruction Methods - Test</i></p> <p>3. <b>Forkuo Gabriel Osei</b>: <i>Evaluation and Development of Smart Ovako Working Posture Analysis System (OWAS) Solutions for Postural Classification in Forest Operations Using Deep Learning-based Computer Vision</i></p> <p>4. <b>Llerena Cruz Laura Susana</b>: <i>Development a framework to evaluate the sustainability of forest operations</i></p>		<p>1. <b>Veliz Perez Aloyma</b>: <i>Role of Transcription - Neurotrophic Signaling Interaction in Nervous System Development, Physiology and Pathology</i></p> <p>2. <b>Bărbieru Valentina-Fineta</b>: <i>Cancer Pain and Non-Invasive Brain Stimulation: A Narrative Review</i></p> <p>3. <b>Costinaș Carmen-Sarah</b>: <i>Phenotypic and Genotypic Characterization of Antimicrobial Resistant Nonfermenting Gram Negative Bacilli Strains Isolated from Various Patient Samples</i></p>	
	<b>10:00-11:00</b>	<p>1. <b>Hărdăiaiu Darius</b>: <i>The Expanding Thread of Ungulate Browsing - A Review of Forest Ecosystem Effects and Management Approaches in Europe</i></p> <p>2. <b>Osewe Ibrahim Odinga</b>: <i>Interconnection Between Ecosystem Services and Local Communities: Knowledge Gap Identification in the Area of Kakamega Forest</i></p> <p>3. <b>Elias Mirella</b>: <i>Tracing the Timber from Forest to the Mill: An Application of the SURF Algorithm to Fingerprint Truckloads Based on Photographs Taken at their Ends</i></p> <p>4. <b>Reyes Robalino Ana Alexandra</b>: <i>Develop and Evaluate Learning Curves for Forest Operators of Completely Mechanized Harvesting Systems Using Simulations</i></p>	<p>1. <b>Pérez Lavandera Rodolfo</b>: <i>Considerations and Perspectives for the Development of Higher Education Institutions in Cuba from a New Approach Based on Marketing Strategies</i></p> <p>2. <b>Correa-García Claudia</b>: <i>Making Gender Equality Visible in Higher Education. An approach from Cuba and Romania</i></p> <p>3. <b>Tulbure Adriana</b>: <i>A Gendered Perspective on Romanian Entrepreneurship</i></p>	<p>1. <b>Hodelin Maynard Edwin Humberto</b>: <i>Mapping Brain Stem Circuits Involved in Visually Evoked Defensive Behaviours in Brn3 Cre Mice</i></p> <p>2. <b>Fernandez Peña Gisselle</b>: <i>Role of Inflammation in Tissue Repair and Regeneration</i></p> <p>3. <b>Moarcăs Monica</b>: <i>Autonomic Dysfunction in Cancer Patients: Challenges in Evaluation and Management</i></p>	<p>1. <b>Merabti Nesrine</b>: <i>Research to Increase the Performance of Off-grid Photovoltaic Systems with Considerations, Especially for Romania and Algeria</i></p> <p>2. <b>Garcia Vazquez Carlos Alberto</b>: <i>Optimal Tuning of PID Controllers Focused on Energy Efficiency in a Multivariable and Coupled System. Case study: an AHU in the Biopharmaceutical Industry</i></p> <p>3. <b>Radu Florin</b>: <i>Online Serial Laboratories</i></p> <p>4. <b>León Ávila Bernardo Yaser</b>: <i>Solar Energy Harvesting in Battery-less Applications for Wireless Sensor Networks</i></p>
	<b>11:00-11:30</b>	<b>Coffee break</b>			
<b>11:30-12:30</b>	<b>Plenary Speech 2: How to successfully contribute to the world of scientific publishing.</b> Dr. Henrik Rudolph, Editor-in-Chief, Applied Surface Science (Elsevier) – <b>Conference Hall</b>				

	<b>12:30-14:00</b>	<b>Lunch break</b>			
<b>Concurrent sessions</b>		<b>Room U.I.2</b> Field: <b>Forestry</b> Moderator: Prof. Dr. Eng. Mihai-Daniel Niță	<b>Room U.I.3</b> Fields: <b>Marketing / Finance</b> Moderators: Prof. Dr. Gheorghe Epuran, Prof. Dr. Marius Dincă	<b>Room U.I.6</b> Fields: <b>Medicine / Science of sport and physical education</b> Moderators: Assoc. Prof. Dr. Marilena Cocuz, Prof. Dr. Răzvan Enoiu	<b>Room U.I.7</b> Fields: <b>Mechanical engineering / Electrical engineering</b> Moderators: Prof. Dr. Eng. Sorin Vlase, Prof. Dr. Eng. Luminița Scutaru, Prof. Dr. Eng. Ioan Șerban
	<b>14:00-15:00</b>	1. <b>Diaz Suarez Jorge</b> : <i>Mapping Forest Resources in Cuba: Providing Reliable Information for Watershed Management</i> 2. <b>Loghin Constantin-Cosmin</b> : <i>Structural and Auxological Description of Typical Forest Stands in the South and South-East of Romania in the Climate Change Context - Research Plan</i> 3. <b>Baciu Iulia</b> : <i>Mitigating Car Accidents Involving Large Wildlife Species in the Central Development Region: A Risk Management Approach</i> 4. <b>Rodriguez Coca Liuder Isidoro</b> : <i>Leaf Morphological Traits Distinguish Putative Hybrids between Cuban and Honduran Mahogany Species</i>	1. <b>Ramos Giral Glessler Vladimir</b> : <i>Marketing Innovation as a Tool for Crisis Management in Tourist Facilities</i> 2. <b>Bagosi Alexandru</b> : <i>Crafting an Eco-Friendly Brand Identity</i> 3. <b>Covalenco Marina</b> : <i>Comportamentul antreprenorial in dezvoltarea turismului de sanatate</i> 4. <b>Crintea Nistor</b> : <i>Instrumente de inteligență artificială și rolul acestora în modelarea comportamentelor consumatorilor de servicii turistice</i>	1. <b>Ungureanu Elena Larisa</b> : <i>Diplopia in Movement Disorders</i> 2. <b>Filip Rafaela Ruxandra</b> : <i>Sănătatea orală in bolile neurodegenerative</i> 3. <b>Rusu Diana</b> : <i>Fatigue in Parkinson's Disease</i> 4. <b>Bărbieru Valentina-Fineta</b> : <i>Pain and Transcranial Direct Current Stimulation- a bibliometric analysis</i>	1. <b>Tătaru Anca Ioana</b> : <i>Developing a System that Analyzes the Movement of the Locomotor System for the Purpose of Tracking Rehabilitation Progress</i> 2. <b>Apostoaie Mirela Gabriela</b> : <i>Visual Aid Systems from Smart City to Improve the Life of People with Low Vision</i> 3. <b>Rușanu Oana Andreea</b> : <i>Scooter based Virtual Game Controlled by the P300 Evoked Biopotentials using a Brain-Computer Interface aimed for Cognitive Training</i> 4. <b>Baraboi Dan-Radu</b> : <i>Stadiul actual al cercetărilor în cazul fațadelor inteligente din materiale compozite imprimate 3D</i>
	<b>15:00-16:00</b>	1. <b>Owuor Evans</b> : <i>Developing and Testing a Framework to Predict Forest Exposure to Wind Damage</i> 2. <b>Morocho Toaza Jenny Magaly</b> : <i>Applications of LIDAR, UAV Remote Sensing and Digital Twinning Technologies in Forest Engineering</i>	1. <b>El-Naser Asmaa</b> : <i>Shadow Economy, Corruption and public debt in EU countries</i> 2. <b>Tabără Genia-Iulia</b> : <i>Analyzing Returns of S&amp;P 500 Subseries derived from Rescaled Range Analysis</i> 3. <b>Fonseca Hernandez Daimi</b> : <i>Cluster innovation. A bibliographic and bibliometric review in small and medium businesses</i>	1. <b>Cătană Denisa-Iulia</b> : <i>Performance Improvement research in Alpine Skiing through Simulation and Video Analysis of Training</i> 2. <b>Granda Hernandez Jordan</b> : <i>Special Resistance Model for the Senior Category Futbol Team in the Province of Ciego de Avila</i>	1. <b>Sora James Kumbirai</b> : <i>Enhancing Microgrid Operation Through Electric Vehicle Integration</i> 2. <b>Espinosa Domínguez Julio</b> : <i>State of the art Analysis of Hardware and Control Solutions to Mitigate Frequency Dependence of Consumers in Weak Power System</i> 3. <b>Mustață Laurențiu-Alex</b> : <i>Optimization Strategy for Standalone Local Energy Communities</i>
	<b>14:00-15:00</b>	<b>Plenary Speech 3: Spin Wave Based Computing: The Road from Gates to Circuits, Dr. Sorin Coțofană, Politechnica University of Bucharest, Romania/ Delft University of Technology, the Netherlands - Conference Hall</b>			
	<b>15:00-16:00</b>	<b>Presentation on Genomic Revolution: Innovative Research through Next-Generation Sequencing, Dr. Oana Voloaca, CeGaT Business Manager for Romania and Bulgaria – Room U.II.2</b>			
	<b>16:00-16:30</b>	<b>Coffee break</b>			
	<b>16:30-19:30</b>	<b>Concurrent Workshops: • Academic Writing (EN), - Rooms U.I.2 and U.I.3 • Scriere academică (RO), - Room U.I.6</b> <b>UNITBV Academic Writing Centre: Dr. Maria Ghiurțu, Dr. Anca Papană, Dr. Ecaterina Pavel, Dr. Camelia Bunea, Dr. Andreea Ivan</b>			
	<b>16:30-18:00</b>	<b>Doctoral studies: Info session for Master's Students - Room U.I.7</b>			

