PROGRAM

The 2025 On-line International Conference on Demographic Transition, Health and Technologies (ICDTHT'25)

La Libertad - Ecuador
Universidad Estatal Península de Santa Elena

13th and the 15th of February 2025

Time Zone: (GMT-5:00) Ecuador

February 13	
09:00 – 11:30	**S1- Session 1 (On-line) |Room1:** **Link**: https://upse-edu-ec.zoom.us/j/89549097418 **Chair**: Gonzalo Vera
	Nestor Vicente Acosta Lozano, Rector Academic, Universidad Estatal Peninsula de Santa Elena, Ecuador **Maritza Paula Chica,** Vice-Rector Academic, Universidad Estatal Peninsula de Santa Elena, Ecuador **Teresa Guarda,** Universidad Estatal Peninsula de Santa Elena, Ecuador **Pedro Miguel Gaspar,** CETRAD - Universidade de Trás-os-Montes e Alto Douro, Portugal **Veland Ramadani,** Faculty of Business and Economics, South-East European University, Tetovo, North Macedonia
	Keynote Session **Chair**: João Paulo Teixeira
	Veland Ramadani, Faculty of Business and Economics, South-East European University, Tetovo, North Macedonia - ***Theme:*** *Silverpreneurs:* The Role of Older Entrepreneurs in a Changing Economy. **Juan Manuel Cueva Lovelle, Oviedo University, Spain** - ***Theme:*** *Internet of Things applied to Health Sciences.*
11:30 – 12:00	**Break**

12:00 – 14:00	**S2- Session 2 (On-line) |Room1:** **Link**: https://upse-edu-ec.zoom.us/j/89549097418 **Chair**: Teresa Guarda
	122 - Towards the Improvement of User Experience: A Study on Usability and Performance in Public Hospital Websites in Ecuador (Kerly Palacios Zamora, Juan Cueva Lovelle) **123** - Assessing the association between consanguinity and off-spring mortality: Insights from a cross-sectional survey in the Chaouia population, Morocco (Khadija Cheffi, Noura Dahbi, Lamiaa Habibeddine, Abderraouf Hilali) **128** - Preventing and Protecting the Health of Older Workers - A Call for Action in Ecuador's Occupational Safety and Health Legislation (Antonio Ramón Gómez-García, Cynthia Basualto, Nora Gray) **130** - Big Data and Business Analytics in the Health Sector: Techniques for Improved Decision-Making (Manuela Freire, Catarina Abrantes) **141** - Analysis of recreational systems for cognitive enhancement in non-disabled older adults (Luis Héctor Alcívar Guachamin, Esteban Alfonso Arellano Montalvan) **143** - Autism Spectrum Disorder – Inclusion Practices in Primary School (Sonia Leite, Sonia Abrantes)
	S3- Session 3 (On-line) |Room2: **Link**: https://upse-edu-ec.zoom.us/j/81784282568?pwd=r8vkaQxNrDuijafm6B0swoxViey9Ge.1 **Chair**: Isabel Lopes
	144 - State of health identification in lithium-ion batteries using Machine Learning (Benjamin Arturo Perez Pelaez, Fabiola Guadalupe Lobato Rosales, Irahan Otoniel Jose Guzman, Eddy Sanchez de la Cruz) **147** - Diagnosis for university support in the Active Aging Program (EA) in Santa Elena (María Caridad Mederos Machado, Sandra Andino Espinoza, Yurena González González, Alex López Ramos) **148** - Aging, Health Economics, and Tobacco Taxation in Spain: Laffer Curve Insights for Fiscal and Health Policy (Juan Manuel Martín Álvarez, Alejandro Almeida, Aida Galiano, Antonio Golpe, José Carlos Vides) **149** - Oral health during pregnancy (Inês Ruela Branco, Rui Carreira) **152** - Gerontopsychomotricity and Gerontological Practice: Institutional Intervention Project (Rita Costa, Sidalina Almeida) **153** - Loneliness of the Elderly in a Village in the North of Portugal: The GNR's elderly monitoring program (Sidalina Almeida, Hélder Alves, Cátia Pereira)
14:00 – 15:30	**Lunch**

15:30 – 19:00	**S4- Session 4 (On-line) |Room1:** **Link**: https://upse-edu-ec.zoom.us/j/89549097418 **Chair**: Datzania Villao Burgos
	150 - Senior-centered cognitive training serious game design (Luís Azevedo, Rui Costa, Eliana Pereira, Rui Carreira) **154** - Improving lives through equine Therapy, a path to Inclusion (Wendy Natalia Barbosa Serrano, Ana Maria Castilla Sanchez, Franklin Guillermo Montenegro Marin, José A. M. Victor, Carlos Enrique Montenegro Marin) **155** - Artisanal Elderberry Jam: A Healthy and Sustainable Business (Ana Maria Castilla Sanchez, Franklin Guillermo Montenegro Marin, José A. M. Victor, Carlos Enrique. Montenegro Marin) **156** - Retirement and Social Support Networks (Bruno Rebelo, Sónia P. Gonçalves) **157** - Education while aging: The importance of financial education at an old age (Micher Alexander González Monroy, Diana Karina López Carreño, Franklin Guillermo Montenegro Marin, Carlos Enrique. Montenegro Marin) **161** - AI Schizophrenia Diagnosis through Speech Features F0 and MFCC (Felipe L. Teixeira, Joana Fernandes, Adriana O. Pestana Santos, José Pio Abreu, Salviano Pinto Soares, João Paulo Teixeira) **200** - Cancer risk due to rheumatoid arthritis in older adults in the province of Pastaza (Mónica Patricia Soto-Ayala, Luis Enrique Naula-Chucay, José Iván Villavicencio-Soledispa)
	S5- Session 5 (On-line) |Room2: **Link**: https://upse-edu-ec.zoom.us/j/81784282568?pwd=r8vkaQxNrDuijafm6B0swoxViey9Ge.1 **Chair**: Paula Odete
	162 - The Rationale and Scientific Basis for Education About Brain Health (David Facal, Belinda López Cortés, Cristina Lojo-Seoane, Arturo X. Pereiro) **163** - Congestive Heart Failure Detection in ECG Using LSTM and CNN (Luiz Otavio Ribeiro, Nathan Guerreiro, Mohamed Khalil Chaabani, Luiz Eduardo Luiz, André Eugenio Lazzaretti, João Paulo Teixeira) **164** - Binary Classification of Cardiac Pathologies using Deep Learning: A PTB-XL Dataset Approach (Mohamed Khalil Chaabani, Nathan Guerreiro, Luiz Ribeiro, Luiz Eduardo Luiz, Mohamed Aymen Slim, João Paulo Ramos Teixeira) **171** - Integrated Clinical System for Medical Decision Sup-port with Integration and Interoperability Based on a Service Bus (Santiago Damian Quishpe Morales, Irene Marisol Revelo Portilla, Luis Miguel Delgado Caicedo, Laura Rosa Guerra Torrealba) **182** - Data Journalism in Mexico and Ecuador: Beginnings, Attempts, and Challenges in Covering Public Health and Demography Issues (Alejandro Villegas-Muro, Erika Lucía González Carrión, Marcelo León Castro, Luis Fernando Bravo Encalada) **195** - Technology and the Well-being of the Elderly (Teresa Guarda, Washington Torres, Datzania Villao, José A. M. Victor, Isabel Lopes) **167** - Nonperiodic pathologic voice signals classification using Mel-Spectrogram and VGGish (Joana Fernandes, João Viana Pinto, Carla Pinto Moura, Helena Vilarinho, Diamantino Freitas, João Paulo Teixeira) **211** - Tourism and climate change: tracing the evolution and harnessing Nature-Based Solutions (NbS) for Sustainable Urban Resilience (Inácio Ribeiro, Hélder Silva Lopes, Paula Remoaldo, Juliana Araújo Alves, Vítor Ribeiro, Lígia Torres Silva)

February 14	
9:00 – 11:00	**S6- Session 6 (On-line) |Room1:** **Link**: https://upse-edu-ec.zoom.us/j/85323490552?pwd=Qc9U5avbZgGf6T35BHZkGQR7bGGyaQ.1 **Chair**: Samuel Anjos
	139 - The markets of the Metropolitan District of Quito as a gastronomic reference and their contribution to the nutrition of adults (Pablo Alejandro Quezada Sarmiento, Patricia Marisol Chango Canaveral, Ariel Montenegro, Mauricio Patricio Artieda Ponce, Jorge Ceron) **140** - Sustainable Tourism in the Galapagos Islands: Strategies and Challenges for Conserving Natural Heritage and Tourism for Adults. (Pablo Alejandro Quezada Sarmiento, Patricia Marisol Chango Canaveral, Janio Jadan- Guerrero, Monica Consuelo Sarauz-Montalvo) **151** - Quantitative Relationship Between Breastfeeding and Deleterious Habits (Inês Ruela Branco, José A.M. Vìtor, Rui Carreira) **170** - Graphical User Interface to acquire ECG using MATLAB and BITalino (Nathan Guerreiro, Luiz Ribeiro, Mohamed Khalil Chaabani, Luiz E. Luiz, Maria Eugenia Dajer, João Paulo Teixeira) **204** - Cognitive Consequences, Chronic Conditions, and Functionality in Order Adults During the COVID-19 Pandemic in Ribeirão Preto -SP, Brazil (Mario Angelo Cenedesi Junior, Priscila Castro Cordeiro Fernandes, Renata Trivelato Felicio Cenedesi, Silvia Elena Vouillat) **179** - The relationship between autonomy and dependence: dialectic of institutionalization of the elderly in the Brazilian context (Karina Donizete Martins, Angela Shiratsu Yamada)
	S7- Session 7 (On-line) |Room2: **Link**: https://upse-edu-ec.zoom.us/j/84223000374?pwd=0w15WKQ0wtJoUlYPhZhyvtqZTe4ZJl.1 **Chair**: Franklin Montenegro-Marin
	216 - Evaluation of museum resources in the province of Santa Elena. Case of the Amantes de Sumpa Museum (MARCELO LEON, Arnaldo Efren Mendoza Tarabó, Veronica Huacon, Juan Maldonado, Luis Musso) **172** - The Impact of Traditional Chinese Medicine in Quality of Life of Elderly People with Alzheimer (Alexandra Figueira, Angela Montês, Catarina Oliveira, Teresa Guarda) **187** - The impact of artificial intelligence on the hospital environment. A bibliographic study (Victor Hugo Capacho Alfonso, Jovani Alberto Jimenez Builes, Dario Enrique Soto Durán) **174** - Technology as an ally in the care of the elderly who remain at home (Laura Guerra-Torrealba, Dulce Rivero, Santiago Quishpe) **197** - Population dynamics and economic strategies for enhancing industrial heritage: a bibliometric overview (Elaine Scalabrini, Francisco Alves, Reginaldo Neto, Felipe L. Teixeira, Joaquín Garcia, Roberto Ivo Vaz, João Paulo Teixeira, Paula Odete Fernandes) **127** - Defining a European Health Data Space – Perspectives on Data Ownership (Marija Radic, Philipp Herrmann, Anna-Luisa Eulitz)
11:00 – 11:30	**Break**

11:30 – 13:30	**S8- Session 8 (On-line) |Room1:** **Link**: https://upse-edu-ec.zoom.us/j/85323490552?pwd=Qc9U5avbZgGf6T35BHZkGQR7bGGyaQ.1 **Chair**: Carlos Montenegro-Marin
	208 - The Impact of Leadership on the Job Performance of Diagnostic and Therapeutic Technicians (Francisco Ribeiro, Ana Paula Rodrigues, Carlos Rui Madeira, Marisa Lages, Pedro Miguel Gaspar) **205** - Situational assessment of health regarding socioaffective changes in elderly Brazilians during the COVID-19 pandemic lockdown in a city in Ribeirão Preto-SP, Brazil (Priscila Castro Cordeiro Fernandes, Renata Trivelato Felicio Cenedesi, Silvia Elena Vouillat, Mario Angelo Cenedesi Junior) **176** - Promoting well-being Economy through innovative healthy strategies at Academic Community: A bibliometric approach (Lilia Macieirinha, Sofia Gouveia) **178** - The impact of transformational leadership on the performance of nurses at a Portuguese oncology institute (Mário Martins, Carlos Rui Madeira, Ana Paula Rodrigues, Marisa Lages, Pedro Miguel Gaspar) **186** - Association between Social and Environmental Exposure and Chronic Disease Burden in the United States: An Explainable AI Analysis of the Center for Disease Control Environmental Justice Index (Jonah Treitler, Tadas Vasaitis, Linda Zanin, Alexander Libin, Yijun Shao) **173** - Adapting Healthcare for an Aging World (Teresa Guarda)
	S9- Session 9 (On-line) |Room2: **Link**: https://upse-edu-ec.zoom.us/j/84223000374?pwd=0w15WKQ0wtJoUlYPhZhyvtqZTe4ZJl.1 **Chair**: Rui Carreira
	180 - Efficient Emergency Access and Privacy-Preserving Healthcare Data Management Using Blockchain Technology (Sagnik Datta, Suyel Namasudra, Ruben Gonzalez Crespo) **192** - Ancestral Knowledge in the teaching and learning process (Pablo Alejandro Quezada Sarmiento, Patricia Marisol Chango Canaveral, Janio Jadan- Guerrero) **183** - Media Literacy of Older Adults: Challenges for Social and Digital Inclusion of the 21st Century in Loja-Ecuador (Bethy-Esther Freire-Elizalde, Marcelo León Castro, Erika Lucía González-Carrión, Alejandro Villegas-Muro) **184** - Factors influencing older people's wellbeing and self-confidence (Patience Pokuaa Gambrah, Louis Ndinyun Tawam, Osei Asibey) **188** - Optimization of Quality Management in Health Insurance for Sustainable Cost Reduction (Daniela Grotewold-Sosa, Janio Jadán-Guerrero, Luis Pusey-Alvarado, Nelson Díaz-Alvarez) **206** - Building healthcare employees' internal relationship quality through internal marketing (Pedro Miguel Gaspar, Frederico Ferreira, Ana Paula Rodrigues, Carlos Rui Madeira, Marisa Lages) **203** - Renal Cancer with Liver Metastases (Mónica Patricia Soto-Ayala, Luis Enrique Naula-Chucay, José Iván Villavicencio-Soledispa)
13:30 – 15:00	**Lunch**

15:00 – 17:30	**S10- Session 10 (On-line) |Room1:** **Link**: https://upse-edu-ec.zoom.us/j/85323490552?pwd=Qc9U5avbZgGf6T35BHZkGQR7bGGyaQ.1 **Chair**: Elaine Scalabrini
	198 - The Importance of Using Biometric Sensors in Elderly People (Teresa Guarda, José A. M. Victor, Isabel Lopes) **212** - Symbolic and postmodern dimension of organizational culture, in the environment of remote work and intelligent technologies (Diego Donoso, Ana Maria Gallardo Cornejo, Santiago Felipe Donoso Vargas, Patricia Elizabeth Vallejo Rivera) **160** - New Approaches to Human-Technology Interaction in the Context of Dementias (Maximina Rodríguez, Alba Felpete, Sara Alves, Natalia Duarte, Irene Rodríguez-Trejo, Teodora Figueiredo, Juan Carlos Rodríguez, David Facal) **146** - Redefining Aging in Ecuador: Theoretical Perspectives and Challenges for Active and Healthy Aging (Pascual Garcia-Macías, Elisa Toledo Macas, Maria Belen Cruz, Lady Jimenez, Erick Peña) **194** - Macrophotography of moths as an educational tool to promote tourism and culture in the parish of Chonta Punta, Napo, Ecuador for older people (Pablo Alejandro Quezada Sarmiento, Xavier Andrés Barnuevo Solís, Alfonso David Jiménez- Arias, Wilson Salas Alvarez, Patricia Marisol Chango Canaveral) **165** - Classic Pastry in Ecuadorian Cuisine: A Responsible and Sustainable Consumption (Pablo Alejandro Quezada Sarmiento, Patricia Marisol Chango Canaveral, Mirian Elizabeth Amagua Simbaña, Guísela Jiménez) **145** - Education for Aging: A Retirement Planning Program (Bruno Rebelo, Sónia P. Gonçalves)
	S11- Session 11 (On-line) |Room2: **Link**: https://upse-edu-ec.zoom.us/j/84223000374?pwd=0w15WKQ0wtJoUlYPhZhyvtqZTe4ZJl.1 **Chair**: Roberto Vaz
	121 - Junk Food Consumption and Unhealthy Spending Habits: A Cross-Sectional Study (Jose Swaminathan, Sudarshan Gnanavendan, Annamalai Ramanathan, Dewar Rico-Bautista, Yurley Medina-Cárdenas) **136** - Securing Medical Systems: Blockchain and the Revolution in Digital Health (Eleonora Santos, Milena Carvalho) **129** - Determinants of Longevity in Vilcabamba, Ecuador: The Role of Diet, Lifestyle and Enviroment.(Elisa Toledo, Pascual García-Macías, Julio César Félix Chávez) **210** - Mapping the Future: A Bibliometric Analysis of the Intersection Between Artificial Intelligence and Neuromarketing (Homero Rodriguez-Insuasti, Marcelo Leon, Belky Orbes) **126** - Vilcabamba, Ecuador: A haven for Long-Lived Expats (Pascual García-macías, Kevin Amay-Burguan, Benjamin Ayala) **190** - Financing Long-Term Care in Portugal: Is there a Role for Home Equity Release Schemes? (Jorge Miguel Bravo, João Gonçalves) **207** - Students' Personal Resources and Academic Success: The mediating role of engagement (Andreia Sousa, Sónia Leite)
17:30 – 18:00	**Break**

18:00 – 20:30	**S12- Session 12 (On-line) |Room2:** **Link**: https://upse-edu-ec.zoom.us/j/85323490552?pwd=Qc9U5avbZgGf6T35BHZkGQR7bGGyaQ.1 **Chair:** João Paulo Pereira
	193 - Used of the educational web pages to promote cultural and ancestral gastronomic in Loja City (Pablo Alejandro Quezada Sarmiento, Patricia Marisol Chango Canaveral, Daniel Sotomayor, Jorge Ceron, Mauricio Patricio Artieda Ponce) **199** - Contemporary strategies and trends in nursing care in women with breast cancer (Mónica Patricia Soto-Ayala, Luis Fernando Taruchain-Pozo, Carlos Hernán Aguayza-Mendieta, José Iván Villavicencio-Soledispa, Jorge Buele) **201** - Couples' joint life expectancy at retirement ages: Evidence from Spain (Mercedes Ayuso, Manuel Pérez-Martí, Jorge Miguel Bravo) **137** - Media Competencies of Older Adults in Ecuador and Bolivia (Eduardo Loaiza-Lima, Andrea Velásquez-Benavides, Angel Hernando-Gómez, Antonio García-Rojas) **158** - The contribution of leadership to nursing team's effectiveness in primary health care organisations (Isabel Fonseca, Madeira Carlos Rui, Rodrigues Ana Paula, Pedro Miguel Gaspar) **159** - Occupational health and safety conditions by older adults in small and medium-sized companies in the city of Quito (Pablo Ron-Valenzuela, Edison Zambrano, Pablo Alejandro Quezada Sarmiento, Gerardo Arteaga) **218** - Physical frailty, social support and psychological well-being in the older portuguese population (Pedro Miguel Gaspar, Marisa Lages, José A. M. Victor, David Facal, Onésimo Juncos-Rabadán)
	S13- Session 13 (On-line) |Room2: **Link**: https://upse-edu-ec.zoom.us/j/84223000374?pwd=0w15WKQ0wtJoUlYPhZhyvtqZTe4ZJl.1 **Chair**: Glória Gonçalves
	124 - Continuum of Health State and Identification of Precritical Conditions: Approaches and Models (Boris Kobrinskii) **175** - Long-term care Systems and Models: a systematic literature review (Cláudia Soares da Fonseca, Maria João Bárrios) **213** -Factors determining the purchase likelihood of soccer team licensed merchandise in Ecuador (Washington Macias, Katia Rodriguez, Flavio Arosemena-Burbano) **169** - Navigating the Health Care Transition for Migrant Women in the Andean Diaspora with Challenges and So-lutions (Ana Alvarez Sanchez, Alexis Suarez del Villar Labastida) **196** - Integration of Digital Repositories and Social Networks in Behavioral Informatics for Social Enterprise Education (Ana Álvarez-Sánchez, José Erazo-Quelal, Alexis Suarez del Villar- Labastida) **214** -Advances and Challenges in 3D Bioprinting: A Systematic Bibliometric Review for Medical Applications (Sofy Godoy Mori, Geidi Salas Huaman, Ágata Gonzáles Arias, Greysi Huaman Rivera, Ricardo Villena Presentacion, Walter Andía Valencia, Roger Luján Ruiz, Nieves Elva Baños chaparro) **217** - Methodologies and Trends in Industry 4.0 Research: A Systematic Review 2018-2024 (Melany Margarita Garro Velasquez, Mayte Gabriela Huaman Valverde, Mariel Antonella Huarancca Chilquillo, Andrea Isabel Chumpitaz Cornejo, Ricardo Villena Presentacion, Roger Orlando Luján Ruiz)