

ROOM 1 – SUSTAINABILITY AND CITY

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ID Zoom: 860 5121 6670

DAY 1 – October 21, 2024

Time	Topic	Speaker
09:00 – 09:30	Opening ceremony by the authorities of the Universidad Tecnológica Indoamérica.	
09:30 – 10:30	Prioritizing climate adaptation for urban settlements	Laura Hernández UN HABITAT
10:30 – 11:15	Deciding with data: the path to sustainability	Octavio García Ramírez Red Académica de Gobierno Abierto
11:15 – 11:35	Jurisprudence on sustainable development in Ecuador: an analysis of judicial rulings and environmental challenges	Tatiana Saltos-Hidalgo, Gabriela Albuja-Urvina, Alex Fabián MejíaSandoval, Anthony Gaon-Cajamarca
11:35 – 11:55	Participatory Urban Design applied in the Improvement of the Carcelén neighborhood in Quito, Ecuador	Daniela Zumárraga, Daniela Ortiz
11:55 – 12:40	Artificial Intelligence in Earthquake-Resistant Design	Leonardo Maximiliano Massone Universidad de Chile
12:40 – 13:00	Extensive Green Facades as an Alternative to the Lack of Urban Greenery.	Susana Moya
BREAK		
14:30 – 15:15	Seismic protection for resilient infrastructure	Ricardo Herrera Mardones Universidad de Chile
15:15 – 15:35	Post-Occupancy Evaluation of the adaptive comfort of thermal insulation in the envelope of educational buildings in an Andean equatorial climate	P Samaniego-Alvarado, M Bermeo-Silva, A Idrovo-Feijóo, J Espinoza-Pérez de Tudela, J Infante-Pinzón
15:35 – 15:55	Thermal Comfort Assessment of Naturally Ventilated Dwellings Across Different Altitudes in the Metropolitan District of Quito.	Cesar Lasluisa, Freddy Ordóñez, Carlos Naranjo-Mendoza
15:55 – 16:15	Impact of different types of rennet on sustainability and safety in cheese production	Steven Paucar, Michael Villafuerte, Andrés Lara-Calle, Jorge Buele

16:15 – 16:35	Effect of partial replacement of commercial feed with local raw materials for the growth of pullets Lohmann	Lucia Monserrath Silva Déley, Jorge Vinicio Chávez Valle, Jaime Iván Acosta Velarde, Blanca Mercedes Toro Molina, Edilberto Chacón Marcheco
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DAY 2 – October 22, 2024

Time	Topic	Speaker
09:00 – 10:00	Sustainability between zero goal and net positive	Leonardo Izquierdo Universidad Técnica Particular de Loja
10:00 – 10:20	Promotion of Peasant Identity and Productive Sustainability: A Methodological Proposal with Design Thinking	Jasleidy Astrid Prada Segura , María del Pilar Corredor García, Samir Alveiro Medina Roncancio, Franklin Giovanni Arévalo Hernández
10:20 – 10:40	La evolución de las Mini Casas. Una revisión de prototipos del Siglo XX y XXI	Esteban Cáceres Guerrero
10:40 – 11:00	A Review of Technological Innovations in Rubber Recycling	Pablo Asubadin-Espin, Rubén De-la-Cruz, Jorge Buele
11:00 – 11:20	Approach to sustainability evaluation and optimization of machining parameters in the turning process of AISI 304 steel.	Leticia Mayorga-Ases, Diego Carranza-Calero, Diego Núñez Núñez, Cristian Pérez-Salinas
11:20 – 11:40	Hydrocarbon tolerance evaluation of the microbiota associated with the <i>roystonea oleracea</i> palm from Santay Island (Ecuador)	Jean Carlo Andrade, Santiago Mafla, Kelly Riofrío, José Hernández, Ibon Tobes, Cristian Lara-Basantes
11:40 – 12:00	Use of supernatants from extremophilic bacteria on the biocontrol of root knot nematodes <i>Meloidogyne</i> sp.	Marcos Vera-Morales, Eloy López-Medina, Ángel Avilés-Centeno, Cinthya Sabando, María F. Ratti
12:00 – 12:20	Investigación en arquitectura: una aproximación desde el trabajo de fin de carrera.	Verónica Muñoz Sotomayor, Claudia Costa-De los Reyes
12:20 – 12:40	Designing a Net-Zero Energy and Chemical-Free Wastewater Treatment Plant for a University Campus in Quito, Ecuador	Andreina Damián-Chalán, Pablo Daza-Donoso, Jorge Albuja-Sanchez
12:40 – 13:00	Closing of the conference and recognition of participants	

SALA 2 – ENERGÍA

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ID Zoom: 899 3846 0935

DAY 1 – October 21, 2024

Time	Topic	Speaker
09:00 – 09:30	Opening ceremony by the authorities of the Indoamerica Technological University.	
09:30 – 10:30	Materials management in the energy transition	Carles Riba i Romevá Universidad Politécnica de Cataluña
10:30 – 11:15	Addressing Data Imbalance in Wind Power Plant Datasets: AI Approaches	Marcelo Valdiviezo Condolo Universidad Nacional de Loja
11:15 – 12:00	Renewable energy opportunities and weaknesses: a comparison between Ecuador and Croatia	Paolo Blecich University of Rijeka
12:00 – 12:20	Numerical modeling of cell spacing effects on thermal runaway induced by thermal abuse in an air-cooled lithium-ion battery module	Walter Ordóñez, Edwin Paccha-Herrera, Raúl Chávez-Romero, Iván Coronel-Villavicencio, Fernando Ramírez-Cabrera, Cristian Ortega-Reyes
12:20 – 12:40	Energy Intensity and Employment: evidence from Latin American countries	Segundo F. Vilema-Escudero, Miguel Ruiz-Martínez, Marlon Manyo Orellana, León Arguello-Núñez
12:40 – 13:00	Active Modeling of Solar Panel Performance using K-Means and Multiple Linear Regression with Environmental Variables and Historical Data	José Raúl Castro, Tuesman Castillo, Cesar Saravia
BREAK		
14:30 – 15:15	The potential of Machine Learning for preventive maintenance of wind turbines	Génesis Vásquez Rodríguez Universidad Nacional de Loja
15:15 – 16:00	Solar Modular Nano Network – Radiofrequency for power supply to New Generation Internet of Things Devices	Carlos Gordon Universidad Técnica de Ambato
16:00 -16:20	Simulation and Analysis of Doubly-Fed Induction Generator: A Case Study at the Villonaco Wind Farm	María Alicia Hoyos, Fernando Ramírez-Cabrera, Juan Chuncho-Morocho

16:20 – 16:40	Generación renovable eólica y fotovoltaica en Ecuador. una revisión sistemática de literatura	Santiago Bautista
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DAY 2 – October 22, 2024

Time	Topic	Speaker
09:00 – 10:00	Sustainability between zero goal and net positive	Leonardo Izquierdo Universidad Técnica Particular de Loja
10:00 – 10:45	The Performance Ratio of a Photovoltaic System — An Assessment of Efficiency	Juan Carlos Solano Jiménez Universidad Nacional de Loja
10:45 – 11:05	Brief review on the implementation of charging stations for electric buses	A.H Yáñez, Cindy Franco González, E.R. Yáñez B, Karem Moreira B, Josselin Alvear D.
11:05 – 11:25	Analysis of the impact of solar radiation and temperature variations on grid-connected photovoltaic power generation	Kevin Cajilema, Roberto Salazar-Achig, Diego L. Jiménez J.
11:25 – 11:45	Energy and environmental performance indicators at upstream oil facilities in Ecuador"	Andrés Campana-Díaz
11:45 – 12:05	Factors Influencing Energy-Efficient Technology Adoption Among Residents in Ecuadorian Cities	Ma. Emilia Urresta, Miguel Andrés Guerra, Vanessa Guerra
12:05 – 12:25	Análisis comparativo de estrategias de balanceo de datos en sistemas SCADA para mejorar la eficiencia de modelos de Machine Learning y su comparación con la calibración de modelos. Caso de estudio Central Eólica Villonaco	Jhon Fernando Coronel Hernandez
12:25 – 13:00	Closing of the conference and recognition of participants	

Atentamente,

Manuel Ignacio Ayala Chauvin
 General Chair
 CSECity 2024