

# ICI2ST

INFORMATION SYSTEMS &  
SOFTWARE TECHNOLOGIES

## 2022

## GENERAL PROGRAM

Quito - Ecuador

November 8-10, 2022

## TUESDAY NOVEMBER 8th, 2022

	SPEAKERS	TOPIC
08:35 - 09:00	Inauguration Ceremony	
09:00 - 10:00	Sergio Luján	Guest Speaker Affiliation: Universidad de Alicante Comparative analysis of the state of web accessibility of public administration websites in Ecuador and Spain
10:00 - 11:00	Mary Sánchez-Gordón	Guest Speaker Affiliation: Østfold University College Human and Social Aspects of Software Engineering
11:00 - 11:20	Gema Zumba	Paper: A Convolutional Neural Network-Based Web Prototype to Support Melanoma Skin Cancer Detection
11:20 - 11:40	Coffee Break	
11:40 - 12:00	Luis Morales Carol Paucar	Paper: A Prototype for Interpretation of SARS-COV-2 Test using Artificial Vision
12:00 - 12:20	Pamela Gavilanes	Paper: Person Re-identification System in a Controlled Environment Based on Soft Biometric Features: Clothing Color and Body Silhouette Collected on Short Video Sequences Using Computer Vision and Machine Learning Algorithms
12:20 - 12:40	Saul Figueroa	Paper: Identifying Defective Fruits and Vegetables with Hyper-spectral Images: A Brief Tutorial
12:40 - 13:00	Stefany Livaque	Paper: Development of a Video Surveillance web Application for the use of Biosafety Equipment with Image Recognition for Workspaces
13:00 - 14:00	Lunch	
14:00 - 15:00	Discussion Forum	Accessible electronic administration: achievements, pending achievements Coordinator: María Hallo (Ecuador) Moderator: Sergio Luján (Spain) Participants: Jose Angel Carrey, Juan José Montiel, Katherine Franco, Carlos Montenegro
15:00 - 15:20	Coffee Break	
15:20 - 15:40	David Chango	Paper: Person Re-identification using soft-biometric features: body silhouette and clothing texture in a multi-camera video surveillance environment
15:40 - 16:00	Dewar Rico	Paper: Mapeo sistemático: Lenguaje traductor del lenguaje de señas al lenguaje formal colombiano
16:00 - 16:30	Priscila Cedillo	Guest Speaker National Research Advances - Affiliation: Universidad de Cuenca Emerging technologies and multi-disciplinarity in Ecuador
16:30 - 17:00	César Guevara	Guest Speaker National Research Advances - Affiliation: Universidad Indoamérica Algorithm for Preventing the Spread of COVID-19 in Airports and Air Routes by Applying Fuzzy Logic and a Markov Chain

# WEDNESDAY NOVEMBER 9th, 2022

	SPEAKERS	TOPIC
09:00 - 10:00	Júlio Anjos	Guest Speaker Affiliation: University of Ceará Big Data, Entropy, and what else?
10:00 - 11:00	Oliver Grothe	Guest Speaker Affiliation: Karlsruhe Institute of Technology Introduction to copulas with applications in machine learning and data preprocessing
11:00 - 11:20	Cristian Barreto Paredes	Paper: Evaluating extended reality application for a virtual museum. Case study: Remigio Crespo Museum
11:20 - 11:40	Coffee Break	
11:40 - 12:00	Diego Almeida	Paper: Development of a System to Detect Stress Using Electrocardiographic Signals and Machine Learning Models
12:00 - 12:20	Daniel Sanaguano	Paper: A Deep Learning approach for the Generation of Room Impulse Responses
12:20 - 12:40	Samuel Morejón	Paper: Automated Web Annotator of Biomedical Entities in Spanish language
12:40 - 13:00	Ariel Gordillo	Paper: Neural Machine Translation tool from Spanish to English in the medical domain
13:00 - 14:00	Lunch	
14:00 - 14:20	Julio Ibarra	Paper: A Hybrid Method for Characters Recognition using Ant Colony Feature Selection, KNN and Reducts
14:20 - 14:40	Arianna Armijos	Paper: Spanish Pre-Trained CaTrBETO Model for Sentiment Classification in Twitter
14:40 - 15:00	Génesis Carrillo	Paper: Functional ANOVA for modelling Temperature Profiles in Ecuador
15:00 - 15:20	Coffee Break	
15:20 - 15:40	Jonathan Portilla	Paper: Functional Data Analysis: A Meteorological Study Case in North of Ecuador
15:40 - 16:00	Boris Astudillo	Paper: Data Analytics Methodology Application in Marketing
16:00 - 16:30	Patricia Acosta	Guest Speaker National Research Advances - Affiliation: Universidad de las Américas Six Tips for Making Websites More Accessible
16:30 - 17:00	Villie Morocho	Guest Speaker National Research Advances - Affiliation: Universidad de Cuenca Telemedicine in the context of Smart Cities

# THURSDAY NOVEMBER 10th, 2022

	SPEAKERS	TOPIC
09:00 - 10:00	Wibold Jongsma	Guest Speaker Affiliation: Municipality of Amsterdam Towards a data-driven local government - Examples and lessons learned from the Municipality of Amsterdam
10:00 - 11:00	Mima Muñoz	Guest Speaker Affiliation: Mathematic Research Center, Zacatecas Unit Toward reinforcing agile approaches using the international series of guidelines and standards ISO/IEC 29110
11:00 - 11:20	Diana Zurita	Paper: Application of Design Thinking in the Development of Virtual Platforms with Gamified Elements
11:20 - 11:40	Coffee Break	
11:40 - 12:00	Julián Galindo	Paper: A Usability-focused Method to Design a Cybersecurity MOOC for Children
12:00 - 12:20	Javier Gúaña	Paper: Evolution of information and communication technologies in education
12:20 - 12:40	Mayra Carrión	Paper: A Serious Game Development for Vexillology Learning Using iPlus Methodology
12:40 - 13:00	Rosela Jiménez	Paper: STEAM skills developed in Basic General Education through the creation of the digital robot through the mBlock platform
13:00 - 14:00	Lunch	
14:00 - 14:20	Marlon Maldonado	Paper: Educational robotics as a strategy to develop computational thinking in basic general education
14:20 - 14:40	Eduardo Díaz	Paper: New Transformation Rules for the EduBPMN Method to Generate Graphical User Interfaces from BPMN
14:40 - 15:00	Manuel Morocho	Paper: An Efficient Deep Q-learning Strategy for Sequential Decision-making in Game-playing
15:00 - 15:20	Coffee Break	
15:20 - 15:40	José Bocanegra	Paper: Towards a Domain-Specific Language for provisioning multiple cloud testing environments for mobile applications
15:40 - 16:10	Sang Guun Yoo	Guest Speaker National Research Advances - Affiliation:Escuela Politécnica Nacional Cybersecurity In the Era of Industry 4.0
16:10 - 16:40	Marco E. Benalcázar	Guest Speaker National Research Advances - Affiliation:Escuela Politécnica Nacional Artificial Intelligence: An Opportunity to Develop Science, Technology and the Economy of Ecuador
16:40 - 17:00	Closing Ceremony	