

PROGRAM

The 2025 Multidisciplinary International Conference of Research Applied to Defense and Security (MICRADS'25)

Orlando, Florida, United States of America (USA)

24th to 26th of July 2025

Time Zone: UTC/GMT-4:00, Orlando

July 24

13:00 – 14:00 Reception / Check-In

14:00 – 15:00 S1- Session 1 - Opening and Keynote Session | Room 1

Ashok Vaseashta, General (co-)Chair, International Clean Water Institute, USA.
Álvaro Rocha, General (co-)Chair, University of Lisbon, Portugal.
Paulo Novais, Keynote Speaker, Director of the PhD Program in Informatics & Full Professor, University of Minho, Portugal. Topic: *Artificial Intelligence in Defense and Security*.

15:00 – 17:00 S2 - Session 2 (In Person) | Room 1

Chair: Ricardo Marcão

- 109** - Evolution of Management Strategies to Improve Organizational Communication
- 104** - Analysis of the evolution of ICT in secondary education in Ecuador
- 105** - Teoría de Comportamiento Planeado (TPB) y la Seguridad de la Información
- 106** - Developing Resilience Against Cyber, Chem.-Bio, and Artificial Intelligence Dual-Use Technology Threats
- 110** - Evolving Business Models for Adapting to Management Challenges
- 111** - Modelo JDL de Fusión de Datos para el soporte de la toma de Decisiones en Empresas de Servicios de instalaciones eléctricas

S3 - Session 3 (Online) | Room 2

Link: <https://shorturl.at/PHfyP>

Chair: Margarita Palma

- 150** - Cyberbullying Detection on Social Networks, Opportunities and Future Challenges: A Systematic Literature Review.
- 151** - A Systematic Literature Review on Models for Cyberstalking Detection and Prevention using AI-based Techniques.
- 154** - When the enemy is internal: Anxiety and Depression Disorders in Military Personnel During Peace and Crisis Periods
- 156** - Diseño de una aplicación informática para el análisis de la huella de carbono en Instituciones de Educación Superior
- 157** - La participación de las unidades de la escuadra naval en operaciones multinacionales ejecutadas en Ecuador
- 160** - Docker Containers for Offensive and Defensive Cybersecurity Testing: A Scalable and Flexible Approach
- 161** - Analysis of Access Infringement Techniques in Information Systems: An Empirical Study

17:00 – 17:30 Coffee-Break



17:30 – 19:30	S4 - Session 4 (In Person) Room 1 Chair: Pedro Guerreiro
	116 - Un Modelo de Componentes para la Evaluación de Riesgos de Ciberseguridad en Instituciones Públicas 124 - Proposta de Controles de Segurança Prioritários Contra-Ataques em Redes Locais com Dispositivos Compactos 126 - Implementation of an Educational CSIRT at the Central University of Ecuador 127 - Tomada de Decisão em Segurança Cibernética: Modelo para Identificação de Joias da Coroa 128 - Análise Abrangente dos Frameworks de Modelagem de Ameaças na Segurança Cibernética 133 - Exploiting heterogeneous graphs to enhance fingerprint images and improve human identification
	S5 - Session 5 (online) Room 2 Link: https://shorturl.at/PHfyP Chair: Francisco David Villacis Mogrovejo 114 - Network-based Intrusion Detection System (NIDS) with an Emphasis on Machine Learning 145 - Analysis of the scope of the OAS's cybersecurity development 108 - Strategy and prison security in Ecuador - Organized crime, massacres (2021-2024), and their impact on security personnel 119 - Detection and Prediction of Web Attacks in IoT Environments, with Data Transformation of Benign and Malicious Traffic, Using Image Comparison (Volume Two). 146 - Legal scope of cybersecurity in some Latin American countries 125 - Monedas virtuales hacia la conciencia ambiental en la Universidad Central del Ecuador 137 - Detection of attention loss patterns in students based on vision: A systematic literature review 147 - The discourse on politics in the alternative media in Lima
20:00 – 22:00	Welcome Cocktail (Hotel Holiday Inn & Suites Across from Universal Orlando)

July 25	
9:00 – 11:00	S6 - Session 6 (In Person) Room 1: <i>Chair:</i> Sussy Bayona
	134 - Impact of Artificial Intelligence on the detection of emerging cybersecurity threats 135 - Detecção de Prompt Injection em modelos de Linguagem 136 - Machine Learning for Cybersecurity: Detection of Phishing Emails and Malicious Messages 138 - Identificação e Mitigação de Ataques DDoS em Redes IoT utilizando HIDPS, NIDS e Aprendizado de Máquina 140 - Comparison of the conceptual areas of security applied in Ecuador. 143 - PREVE_pet - Automatização da Classificação de Textos Jurídicos: Desenvolvimento de um Sistema Baseado em Modelos de Inteligência Artificial para a PGFN 162 - An Implementation of a Web-based Resource Monitoring Platform to Detect Cyberattacks Based on Massive Process Floods
	S7 - Session 7 (online) Room 2 <i>Link:</i> https://shorturl.at/PHfyP <i>Chair:</i> Graciela Guerrero
	132 - Battlefield Communications Range with Unmanned Aerial Vehicles: A Comprehensive Literature Review 175 - Modelado estadístico de los hábitos de gasto estudiantil mediante análisis de correlación y regresión lineal: Caso de la Universidad de Fuerzas Armadas ESPE en la Unidad Académica Especial Salinas ESSUNA 163 - Evaluation of the CiS2 Metric as a Performance Indicator in Educational Platforms: A Case Study 165 - The Role of HTTP and HTTPS Protocols in Mitigating Cybersecurity Risks on Government Websites: A Systematic Review 174 - Modelos matemáticos para la gestión de inventarios basados en ecuaciones diferenciales: revisión teórica y su aplicación en almacenamiento de material aeronáutico 152 - Sexual violence in armed conflicts: A systematic literature review 131 - SEGURIDAD CIUDADANA DESDE UN ENFOQUE DE GÉNERO E INTERCULTURALIDAD COMO UN ASUNTO DE DERECHOS HUMANOS 149 - Counterproductive Leadership in Military-Academic Institutions: An empirical investigation 118 - A Virtual Reality-Based Multi-User Training System for Military Band Jump Operations 141 - Incidence of drug trafficking on the defense and security of Ecuador 115 - Evaluation of the effect of three nutrient solutions on the growth of rose rootstocks (<i>Rosa</i> sp) of the Natal Brier variety, prior to grafting
11:00 – 11:30	Coffee-Break
11:30 – 13:30	S8 - Session 8 (In Person) Room 1: <i>Chair:</i> Ashok Vaseashta
	144 - ESTRATÉGIAS DE GESTÃO DE TECNOLOGIA PARA TRANSFORMAÇÃO DE DADOS EM DECISÕES INTEGRANDO DATA SCIENCE E BUSINESS INTELLIGENCE 148 - Previsão Inteligente de Gastos Governamentais: Proposta de uma Arquitetura Baseada em Aprendizado de Máquina para Eficiência e Transparência 153 - Mitigação de Ataques DDoS em Redes IoT com Aprendizado Federado 158 - STAR-Prompting: Sistema Estruturado de Prompts através do método STAR aplicados para a Defesa e Segurança 167 - Enhancing Decision-Making in Low-Visibility Airport Operations Using Machine Learning Ensemble Methods: Lisbon Case Study 168 - Guidance for Cybersecurity and Data Privacy Risk Analysis for Compliance Assurance of Banking Entities

13:30 – 15:00

Lunch ([Miller's Ale House - Orlando Kirkman](#))

15:00 – 17:00	S9 - Session 9 (In Person) Room 1: Chair: Luis Patricio Tello Oquendo
	177 - Integrated GPS-Video Surveillance System for Cargo Vehicles 178 - Reconfigurable Intelligent Surface for Indoor Wireless Communication in the 5 GHz Frequency Band: Design and Characterization 182 - The Invisible Battle: How Threat Intelligence Combats Cyber Espionage 184 - Impact of Quantum Computing on Cryptography 179 - Employing blockchain to support 6G communications in industrial IoT scenarios
17:30 – 19:30	Social Program - Visit to Ripley's Believe It or Not!
	 Ripley's Believe It or Not! Odditorium in Orlando is the ultimate collection of all things unusual for the whole family to enjoy. Prepare to be shocked and amazed at this one-of-a-kind museum in Orlando's entertainment district.



The Uno story begins in Chicago in 1943, when Ike Sewell developed deep-dish pizza and opened a new type of restaurant at the corner of Ohio and Wabash. It was here that Ike served a pizza unlike any that had been served before. Buttery 'out-of-this-world' crust that had a tall edge like a fruit pie. He created a recipe that combined authentic Italian spices and high-quality tomatoes with an abundance of cheese and then baked it for nearly an hour. When people tasted it, they wanted more of the same, and the lines formed ever since to get into the restaurant. Uno still draws its identity and inspiration from the artisan heritage of the original Pizzeria Uno in Chicago, IL. Each restaurant still makes its deep-dish pizza dough fresh every morning, and our Chicago Thin Crust Pizza is jam-packed with bold flavors. Today, we are as passionate about craft beer as we are about our pizza. UNO collaborates with high-quality brewers to bring a selection of some of the finest national, regional, and local craft beers.