



Facultad de Informática
Universidad Complutense de Madrid

ANUNCIO DE CONFERENCIA

1ª Conferencia: Navigating the Cybersecurity Framework Landscape: ISO 27001, NIST CSF, CIS Controls and Beyond

2ª Conferencia: OSINT with AI Agents and Retrieval-Augmented Generation: From Reconnaissance to Autonomous Threat Intelligence Pipelines

Dr. Robson de Oliveira Albuquerque

University of Brasília & Catholic University of Brasília

Facultad de Informática

Sala de Grados – 5 de diciembre de 2025 - 16:00

Entrada libre hasta completar el aforo

Resumen 1ª Conferencia:

Organizations today face the challenge of selecting, aligning, and operationalizing multiple cybersecurity frameworks while translating compliance requirements into measurable risk reduction. This session delivers a structured, practitioner-oriented comparison of the most widely adopted standards and control sets: ISO/IEC 27001:2022 and the 27000 family (including 27002:2022, 27005, 27101), NIST Cybersecurity Framework 2.0, NIST SP 800-53 Rev 5, NIST SP 800-171 Rev 3, CIS Controls v8 and v9.

Resumen 2ª Conferencia:

The convergence of large language models (LLMs), autonomous AI agents, and retrieval-augmented generation (RAG) has fundamentally transformed open-source intelligence (OSINT) collection, enrichment, and weaponization. This session demonstrates how modern agentic frameworks (LangGraph, CrewAI, AutoGen, LlamaIndex Workflows) combined with multi-stage RAG architectures can autonomously pivot across heterogeneous OSINT data sources—SHODAN, Censys, SecurityTrails, GitHub, paste sites, dark-web marketplaces, Telegram channels, and leaked credential corpora—while maintaining operational tradecraft and evading detection.

Sobre Robson de Oliveira Albuquerque:

Dr. Robson de Oliveira Albuquerque holds a bachelor's degree in computer science from the Catholic University of Brasília (UCB) since 1999. Completed a specialization in computer networks in 2001 at the Educational Union of Brasília (UNEB). Master's degree in electrical engineering from the University of Brasília (UnB) in 2003.

He defended his Advanced Studies (DEA) in Computer Systems and Programming at the University Complutense of Madrid (UCM) in 2007. Ph.D. in Electrical Engineering from UnB in 2008. European Ph.D. in Computer Systems and Programming from UCM in 2016 (Cum laude).

Postdoctoral researcher in Cybersecurity at UnB in 2020 within the Graduate Program in Electrical Engineering.

He has over 25 years of experience in computer networks, information systems, and network security, his academic expertise spans across these domains with a particular focus on Information Systems, Computer Networks, Network Security, and Information Security. Proficient in IT, Robson has provided consulting services to both private organizations and the Government. His professional

interests and areas of research expertise include Network Management, Network Systems, Wireless Networks, Open-Source Software, Network Security, Distributed Systems, and Information Security. Currently, he is a faculty member in the Postgraduate Program in Electrical Engineering (PPEE) within the Electrical Engineering Department at the University of Brasília. Robson contributes as both a researcher and professor at the Brazilian National Science and Technology Institute for Cybersecurity (Cybersecurity INCT), specifically at the LATITUDE Laboratory. He is also affiliated with the AQUARELA research group at the University of Brasília. He actively leads and participates in various research projects within the AQUARELA group, fostering innovation and knowledge in the field of cybersecurity. He is also a researcher and lecturer at the Catholic University of Brasília, teaching computer networks, technology, and researching AI, NLP, cybersecurity and innovation.