Facultad de Informática
Universidad Complutense de Madrid

ANUNCIO DE CONFERENCIA

Artificial Intelligence in Health Informatics and Digital Transformation in Healthcare

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Facultad de Informática

Aula 7 - 29 de abril – 15:00

Entrada libre hasta completar el aforo

Abstract:

The rapid advancement of artificial intelligence (AI) is transforming healthcare systems by enabling data-driven decision-making, improving clinical outcomes, and increasing operational efficiency. Within the field of health informatics, AI technologies such as machine learning, natural language processing, and predictive analytics are increasingly integrated into health information systems to support both clinical and administrative decision-making processes.

This presentation examines AI as a key driver of digital transformation in healthcare, emphasizing the importance of digital maturity and structured data infrastructures for successful implementation. Drawing on international frameworks and real-world applications, it highlights how healthcare organizations can move beyond basic digitalization toward more intelligent and adaptive systems.

The session also addresses key challenges, including data governance, interoperability, and implementation barriers, while providing insights into how healthcare institutions can strategically leverage AI to achieve sustainable and high-value care delivery.

About Dr. Sinem Cece:

Dr. Sinem Cece is an Assistant Professor in the Department of Management Information Systems at Ankara Medipol University, Türkiye. Her research focuses on digital health, health information systems, and digital transformation in healthcare. She has extensive experience in evaluating digital maturity in healthcare institutions using international frameworks such as HIMSS EMRAM. Her work also explores the integration of artificial intelligence into healthcare systems, with a particular emphasis on improving efficiency, quality of care, and decision-making processes.