OUTSIDE

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TAG

[AI] [Medical] [Healthcare] [Predicting] [Data]

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AFFILIATION

Multimedia Unit, Department of Computer Systems and Technology

Dr Rasha presenting her speech in a remote session @ International Symposium

EDITED BY

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AI in Healthcare: Predicting the Unseen with Data and Vision @International Symposium 2025

— By Rasha Ragheb Attaallah

Keynote Speaker at the 2025 International Symposium

On July 16, 2025, the 2025 International Symposium hosted by SITER Academy in Norway and partnered with Vel Tech Technical University in India, featured a standout keynote address by Dr. Rasha Ragheb Atallah titled *"AI in Healthcare: Predicting the Unseen with Data and Vision."* The presentation brought together a global audience of academics, healthcare professionals, and policymakers to explore the growing influence of artificial intelligence in transforming modern healthcare systems.

Dr. Rasha Atallah is a leading AI researcher and lecturer at the University of Malaya with over a decade of experience in artificial intelligence, deep learning, computer vision,

and human-computer interaction. With a PhD in Computer Science major AI, HCI and image processing. Dr. Rasha is known for her ability to communicate complex AI concepts with clarity and relevance. Her international experience includes AI consultancy, curriculum design, and public speaking engagements, earning her recognition across both academic and industry landscapes.

In her keynote, Dr. Rasha emphasized the revolutionary role of predictive analytics in healthcare, especially in early disease detection for conditions like cancer, stroke, and athlete injuries. She explained the core AI components such as machine learning, computer vision, and natural language processing, illustrating how these tools can uncover patterns invisible to human clinicians. Real-world examples included the use of AI in imaging diagnostics, genomics-based treatment optimization, and wearable devices for remote monitoring.

What set Dr. Rasha's talk apart was its balanced approach that merges technological depth with social responsibility. She showcased impactful case studies such as Google DeepMind's eye disease detection model and AI tools for personalized cancer care. Equally important was her discussion on ethical challenges: data privacy, algorithmic bias, and disparities in AI accessibility, especially in underserved regions. Her emphasis on fairness and transparency underscored the need for trustworthy and inclusive AI solutions in medicine.

Dr. Rasha concluded her keynote with a call to action: to foster interdisciplinary collaboration and ensure AI innovations serve all communities. She highlighted future trends like AI-driven drug discovery, continuous monitoring via wearable technologies, and real-time predictive models capable of issuing early alerts for life-threatening conditions. Her vision was clear, AI should not only enhance clinical accuracy but also promote global health equity by bridging the gap between advanced innovation and universal care.

For additional information, Dr Rasha has published her research in further detail as a journal article [here](), or contact the author at [rashaatallah@um.edu.my]() from the Department of Computer System and Technology at Universiti Malaya.