



## **The 18th International Conference on Developments in eSystems Engineering (DeSE 2025)**

Tishk International University participated as an academic institution in the organization of the 18th International Conference on Developments in eSystems Engineering (DeSE 2025), which was held in Bucharest, Romania, from 10-12 November 2025. The conference is organized annually by the eSystems Engineering Society in UK, with technical support from the Institute of Electrical and Electronics Engineers (IEEE), and with the support and participation of a wide range of international universities and research institutions.

DeSE is a well-known, globally recognized, top-ranking conference dedicated to spreading the latest scientific and technological advancements in eSystems engineering. The conference covers a broad range of advanced subjects, including Artificial Intelligence (AI), Intelligent Systems Applications, Evolutionary Computation, Fuzzy Systems, Neural Networks, Bioinformatics and Bioengineering, Robotics, Smart Applications, Sensors, and other related domains that support Industry 4.0. The conference also focuses on new domains such as AI-driven technologies, cognitive and developmental systems, intelligent computation, and machine learning. As part of the conference program, Professor Dr. Qasim Mousa Obaidi from the Mechatronics Engineering Department at Tishk International University presented an invited lecture titled "Soft Computing for Smart Automation: The Role of Fuzzy Logic, Neural Networks, and Genetic Algorithms in Real-Time Monitoring and Control". The talk addressed recent advancements in soft computing approaches and their applications in smart automation systems, focusing on real-time monitoring and intelligent control approaches. Furthermore, five scientific papers from the Mechatronics Engineering Department of Tishk International University were presented during the conference, demonstrating the department's

significant participation in research and innovation within this domain. The conference offered an excellent venue for academic discussion, networking, and collaboration among researchers, engineers, and industry experts globally. It also reinforced Tishk International University's role in supporting international scientific activities and advancing research in engineering and emerging technologies.

The forthcoming edition of the DeSE conference will be held at Tishk international University in Erbil in November 2026, highlighting the university's growing international reputation and commitment to academic excellence and international cooperation.

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