

TRACK CO-CHAIR BIOGRAPHY



Waleed Ahmed

Associate Professor

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Dr. Waleed Ahmed is an Associate Professor of Mechanical Engineering at United Arab Emirates University whose work sits at the intersection of additive manufacturing, polymeric composites, and sustainable materials. Working on state-of-the-art 3D printing technologies with green engineering principles, he develops ultra-lightweight, high-strength components for the aerospace, automotive, and construction sectors, aiming for high performance and sustainability. In 2024, he was honored as UAEU Top Inventor, adding eight U.S. patents that year alone to a portfolio now exceeding twenty. His drive for practical impact has also earned him the university's Chancellor's Innovation Award six times and the Chancellor's Excellence Award twice. Equally passionate about education, Dr. Ahmed incorporates AI-guided peer learning, interactive ethics modules, and industry-focused design challenges into his curriculum, equipping students to tackle real-world engineering problems with creativity and integrity. He has authored or co-authored more than 200 refereed journal and conference papers, serves as a reviewer for leading materials and manufacturing publications, and frequently chairs sessions or committees at international conferences. Through his research leadership and student-centered teaching, Dr. Ahmed advances in innovation and industrial diversification agenda while inspiring the next generation of engineers.