

# Strategic Thrusts



CASE SCHOOL  
OF ENGINEERING

CASE WESTERN RESERVE  
UNIVERSITY

Department of Mechanical  
and Aerospace Engineering



**SMARTER** – Draw inspiration from nature and leverage artificial intelligence to lead the way towards autonomous, sustainable urban air mobility and smart manufacturing of the next generation of aircraft

**FURTHER** – Enable deep space exploration and efficient hypersonic flight by developing revolutionary new systems and materials for thermal management, fire safety and energy

**SAFER** – Place human and environmental safety at the forefront of new advances in aerospace by understanding biological and biomechanical risks involved in air and space flight and developing novel technologies to mitigate these risks



**EXPERIENTIAL** – Ensure that all our students receive a rich education with multiple opportunities for engaging, hands-on experiences throughout their time at CWRU to prepare them for the twenty-first century workforce



**INCLUSIVE** – Connect people from diverse backgrounds in an open and collaborative environment to perform research to benefit all of society