

# **Adjoint-Enhanced Panel Methods for Airfoil Analysis**

## **-Christopher Sheehan**

**06/12/2025**

**10:10 am in conference room 41-122**

**Discover adjoint-enhanced panel methods, a powerful and computationally efficient approach for airfoil analysis. This seminar will demonstrate how combining the strengths of low-fidelity panel methods with discrete adjoint techniques enables the rapid computation of gradient vectors, and can be used to design airfoils with a desired pressure distribution.**

