

Department of Aerospace Engineering SEMINAR

eXtra Performance Wing Project

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The Airbus eXtra Performance Wing Demonstrator is an Airbus UpNext Demonstrator which will flight test active control technologies enabling:

1. loads reduction
2. performance improvement
3. flutter margin reduction

for any wing of a given span and enabling higher span / high flexibility / high AR.

Müge Ergün has 30 years of experience in defense and aerospace industries. Following her BSc and MSc studies at Dept. Aerospace Eng. in METU, she worked in Aselsan as Systems Engineer for many air defense projects including NATO projects. After a brief involvement in airship design in Cargolifter-Germany in 2002, she joined Airbus UK. During 9 years, she worked as a lead engineer for the A380 and A350 A/C landing gear systems design and V&V. In 2011 she joined Airbus France as Multisystems Architect to lead the optimisation of many transverse systems subjects for existing A/C as well as future A/C projects. Since 2020 she is working as the head of systems for Airbus UpNext eXtra Performance Wing project. She is also a nominated Overall Systems Architect within Airbus.