

Einladung zum Vortrag

Challenges in Structural Integrity Program of a Small and Unique Fighter Aircraft Fleet

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Der Vortrag wird in deutscher Sprache gehalten



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Ort: ETH Zürich, Maschinenlabor Hörsaal ML H 44 (Maschinenlabor)

The Swiss F/A-18C/D structure was originally developed for 5000 flight hours. The design spectrum used to size and justify the Swiss F/A-18 aircraft structure in fatigue was developed based on the statement of operating intent. The resulting maneuver spectrum was much more severe compared to the original US Navy design spectrum. Major structural improvements were therefore required.

The current Swiss usage spectrum is very different than the design spectrum and the buffeting environment flown by the Swiss Air Force is much more severe than assumed during the original certification of the aircraft. Cracks are found in structural elements much earlier than originally predicted by the OEM and moreover some of them were never discovered before by other operator or during a fatigue test.

Some examples of the resulting challenges in the structural integrity program will be presented.

Wir freuen uns auf Ihre Teilnahme. Gäste sind herzlich willkommen.

Mit freundlichen Grüßen
Dr. Jürg Wildi, Präsident

Unser nächster Vortrag:

**15.03.2018 Markus Farner, BAZL
Risiken in der unbemannten Luftfahrt, Abschätzung
und Eindämmung**