

**Cédric Poupon, AIRBUS**

**Title:** “Robust & Eco-Efficient Design Toward Innovative Coatings”

**Abstract:**

AIRBUS' vision to sustainable design is born from a combination of robust design principles and eco-efficient Materials and Processes.

Core material properties have been leading material developments during the last century, nowadays innovation is driven by the interface knowledge and development of reliable surface technologies, this is key to long term success. Better knowledge of interface requirements and continuous improvement of coatings are essential to fine tune optimal design and allow better control of Aircraft maintenance intervals. The quasi-infinite metal refilling opportunity offered by thermal spray coatings is also enabling us to re-think our spare parts strategy, and reshape the global landscape of operational maintenance.

New challenges, such as Pioneering the H2 energy in commercial aircraft, are driving innovation in new alloys, new material compositions and more ...