



MMAE SEMINAR

Michel Goulain

Research and Technology Department, AIRBUS

Thursday, September 28, 2006

3:30 – 4:30 PM

Wishnick Hall Auditorium

Airbus R&T Strategy

Michel Goulain's seminar will cover AIRBUS R&T Strategy in general, going from a historical perspective into details on current Strategic Technology Programs. This seminar will also explore the emerging technologies involved, notably "Flow Control", that opens up a whole new range of possibilities.

A historical overview from the 1970's up to the present day putting into parallel AIRBUS aircraft program launches and new technological application firsts.

How research programs are chosen. What are the deciding factors and technical criteria that define the Next Aircraft Targets, currently, the following:

- Improved High Speed / Performance
- L/D robust over speed range
- Install UHBPR engines with drag penalty
- High Lift Recurring Cost
- Environment – low noise (per A/C movement; whole aircraft)
- Reduce development time according to Airbus project targets

For each of these future aircraft Targets, research is organized into several Strategic Technology Programs (STPs). Details on these programs and how they involve Emerging Technologies (such as Flow Control) and R&T Resources.

Interactive open discussion at the end of the presentation.