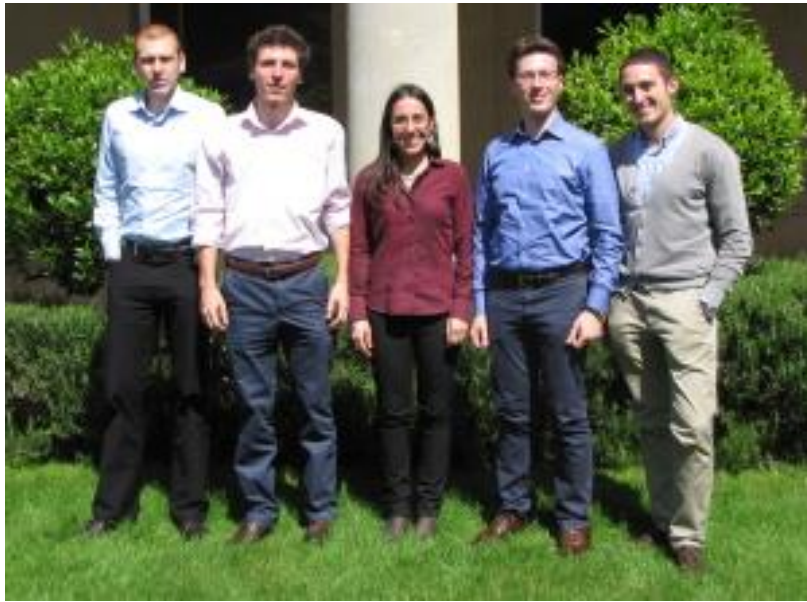


Special Session for ALPES project at the AIAA SCITECH Conference 2016



ALPES: Early Stage Researchers

L to R: Michele Castellani, Adrien Poncet-Montanges, Irene Tartaruga, Carmine Valente, Andrea Castrichini

At the recent AIAA SCITECH Conference held in San Diego, California, a special session was devoted to the work of the ALPES project on Aircraft Loads Prediction. The annual SCITECH Forum and Exposition is the largest conference world-wide devoted to aerospace science and technology with around 4000 participants attending this year.

Following an overview of the project by coordinator Prof Jonathan Cooper, each of the ALPES researchers gave a presentation on various aspects of their PhD studies:

- Irene Tartaruga – “Bifurcation Analysis of a Nose Landing Gear System”
- Michele Castellani – “Nonlinear Static Aeroelasticity of High Aspect Ratio Wing Aircraft by FEM and Multibody methods”
- Andrea Castrichini – “Nonlinear Negative Stiffness Wing- Tip Spring Device for Gust Loads Alleviation “
- Carmine Valente – “Doublet-Lattice Method Correction by Means of Linearised Frequency Domain Solver Analysis”
- Adrien Poncet-Montanges - “Frequency Domain Approach for Transonic Aerodynamic Modelling”

All of the talks were well attended and generated lots of discussion.