

THURSDAY - OCTOBER 11<sup>th</sup> 2012

# NEW TECHNOLOGY BREAKOUT SESSION

CONFERENCE 2012  
**BUSINESS IMPROVEMENT  
BY PERFORMANCE SIMULATION  
IN A&D**

ACCADEMIA AERONAUTICA  
Naples

## COMPOSITE STRUCTURE SIMULATION

by



### AlphaSTAR California USA

AlphaSTAR is a leading global provider of physics based simulation technologies and services for structural modeling and analysis of advanced materials. Since its inception in 1989, AlphaSTAR has focused on composite structures, and related innovative research that helped industry and government agencies overcome critical challenges with complex composite structural systems. Further informations

[www.alphastarcorp.com](http://www.alphastarcorp.com)

### Program

- 11.00 Composite structure simulation (Alphastar)
- 11.00 Key - Note "Certification of Aircraft and Emerging Composite Applications"  
**R. Regalini**
- 11.15 Certification issues of aircraft structure under static, fatigue and impact/crash  
**Dr. Frank Abdi**
- 11.20 Applications of Aircraft Honeycomb and Stiffened panel  
**Dr. Frank Abdi**
- 11.25 Car Racing Crush (short You Tube movie) , and Composite Tank (COPV) Applications  
**Dr. Frank Abdi**
- 11.30 Structural Health Monitoring (sensor) for Inspection and Retirement  
**Dr. Frank Abdi**
- 11.35 Brief Demo of MCQ  
**A. De Fenza**
- 12.00 End of the session

R.S.V.P.

Please send your confirmation  
(or you can ask more information) to  
[convegna@caltpr.it](mailto:convegna@caltpr.it)