



**Michele Buonsanti**



### *Academic curriculum with aeronautical aspects*

Born in Reggio Calabria on November 8, 1955

#### **Address**

private: 7 via del Seminario 89133 Reggio Calabria (Italy)

work: Department DICEAM, Mediterranean University of Reggio Calabria, Italy

#### **Contact**

Institutional: Phone +39 965 1692215 Email: [michele.buonsanti@unirc.it](mailto:michele.buonsanti@unirc.it)

Private: Phone + 39 347 3530872 Email: [michele.buonsanti55@gmail.com](mailto:michele.buonsanti55@gmail.com)

Qualification (Institutional): *Aggregate Professor & Full Researcher of Mechanics of Materials & Fracture*

Other position (institutional): *Head of Mediterranean Aeronautics and Aerospace Laboratory*

Other position (institutional): *Civil engineering magistral degree course Coordinator*

Qualification (aeronautics): *PPL (A); Flight Safety Officer & Investigator*

**Research:** Interests are in the field of fracture mechanics, particularly for aeronautical engineering applications. I have also been working on the microstructure and their models. Again, I have been performed eddy-currents NDT analysis. Finally, I have been working at modelling on multi-physics problems as chemo-mechanical interaction. All of this applied in the civil, marine and aeronautical structures. Actually, researches on the in aeronautical and aerospace biological tissue are in progress together to advance research on aeronautics composite materials. At present time more than 90 papers published. Since 1995 I was developing the course: Mechanics of Materials, Computational Mechanics of Structures, Safety Model. At this time I am professor of Safety Model inside in engineering magistral degree course and Head of MAAL Laboratory (Mediterranean Aerospace & Aeronautics Laboratory) first example of Institutional and CAP & AeC cooperation. ([www.maal.it](http://www.maal.it)). As laboratory head in this time jointly with Italian Air Force Flight Experimental Centre, research on structural integrity composite panels of the EFA (Eurofighter) are in progress.

**Aeronautical:** From 1982 Civil Pilot- SEP and until 1997 about 450 flight hours has been developed. From 2009 flight activity has been renewed in EASA form and from 2012 FAA – PPL(A) has been made as equivalent. From 1992 to 1994 I was covering both, the safety pilot and theoretical instructor roles in the Reggio Calabria flight training center. On the same time lead the technical line on the aircraft maintenance and contemporarily many light aircraft was projected.

Consulting to the aeronautical problems to the Regional and local Administration from 1994 to 1998. From 1994 to 2000 aeronautical design (runway, airport, structures) has been developed.

In the 2011 I was frequenter at 47° Course to Flight Safety Officer & Investigator in the Italian Air Force achieving the qualification. On the 2012 the 33° COCIM Course has been frequented near CASD Italian Defence Department. Successively, until today I am operating either as Flight Safety Officer in the General Aviation Organization and as consulting in AECL inside at joined safety project with Italian Air Force, ISV Flight Safety Institute.

Already AIAA (American Institute of Aeronautics and Aerospace) member, actually I am HAG member and flying on the 1941 Boeing N2S-3 Stearman US Navy painted.