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Technical Presentation on:
**RCS design of fifth generation fighter
and EMI/EMC verification and
optimization of a SIGINT aircraft**

Abstracts:

RCS design of fifth generation fighter

The RCS project workflow of a fifth generation fighter will be presented, highlighting the design challenges, throughout the requirements definition, the preliminary design phase, the detailed design, up to the final requirements verification, with real examples about some project phases, as well as the simulation and testing tools exploited.

EMI/EMC verification and optimization of a SIGINT aircraft

This presentation will show the experience on EMI/EMC verification and optimization of a SIGINT aircraft, entirely performed by simulation: from the assessment and optimization of installed antenna radiated pattern, to the Co-Site radiated electromagnetic Compatibility and Interference. Moreover, a Reflection Analysis on the ELINT systems and a Bearing Error analysis for COMINT and ELINT system have been performed.

Where: Nova Systems, Level 2, 95 Coventry St, South Melbourne .

When: Thursday 28th February, 6:00pm for 6:30pm start; 8:00pm finish. Light refreshments provided.

Cost: Free for members, AU\$30 for Non-members.

Registration: Please register at the following link:
mark.mifsud@novasystem.com



Presenter: Mr Giovanni Fumia

Company: IDS Ingegneria dei Sistemi S.p.A.

Education: Master Degree in Aeronautical Engineering

Career: starting from 2001, he joined "IDS" Company and spent first 6 years as Consultant at "Alenia Aermacchi" (now "Leonardo Velivoli"), the most important aeronautical Company in Italy, for the aerodynamic and electromagnetic design of "M-346" jet trainer.

In 2007 he became Application Engineer of the VIRAF software (now Galileo EME software), inside the IDS Aeronautical Division, also involved in Domestic and International aeronautical projects.

In 2009 he became Product Manager of the VIRAF software, inside the IDS Aeronautical Division.

In 2011 he became Sales Manager inside the IDS Aeronautical Division, promoting Software, Service and Measurement Systems developed by IDS.

In 2017 he became Head of the Aerospace Business Unit, inside new IDS EME (ElectroMagnetic Engineering) Division.



CPD: This session is worth 1 CPD Hour.

