



PRESS RELEASE

AlphaSTAR's Chief Scientist, Dr. Frank Abdi Talks Certification By Analysis at AIAA SciTech Forum

LONG BEACH, CALIFORNIA (11/28/2017) – In conjunction with the Commercial Aircraft Corporation of China (COMAC), AlphaSTAR Corporation's Chief Scientist, Dr. Frank Abdi will be presenting papers on the subject of Certification by Analysis at the AIAA SciTech Forum at the Gaylord Palms and Convention Center in Kissimmee, Florida; January 8-12th, 2018.

Dr. Abdi, visionary behind AlphaSTAR's suite of software products, including GENOA, a durability & damage tolerance, progressive failure, and reliability software has implemented the technologies building block certification strategy to design a safe load landing in case of Bird Strike Impact. With the ability to provide engineers with predictive computation technology to characterize and qualify advanced composite materials and structures, GENOA was also utilized in a Wheels Up Landing Certification. The software's Multi-scale progressive Failure Dynamic Analysis was implemented on large scale structural models prepared to predict significant deformations, damage and fracture evolution subject to wheels up landing scenarios.

[Read Bird Strike Impact Abstract Here](#)

[Read Wheels Up Landing Abstract Here](#)

About AIAA: The American Institute of Aeronautics and Astronautics (AIAA) organizes conferences to serve the aerospace profession as part of its core mission. Spanning over 70 technical discipline areas, AIAA's conferences provide scientists, engineers, and technologists the opportunity to present and disseminate their work in structured technical paper and poster sessions, learn about new technologies and advances from other presenters, further their professional development, and expand their professional networks that furthers their work.

About AlphaSTAR Corporation: AlphaSTAR Corporation is a leading engineering services and software company that provides innovative physics-based simulation technologies for structural modeling and analysis of advanced composite structures in the aerospace, automotive, defense, and energy industries worldwide. As a solution provider, AlphaSTAR partners with Altair, ANSYS, MSC Software, DS Simulia, and LSTC. AlphaSTAR is headquartered in Long Beach, California and is the recipient of esteemed industry and technology awards for R&D and software development.

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