

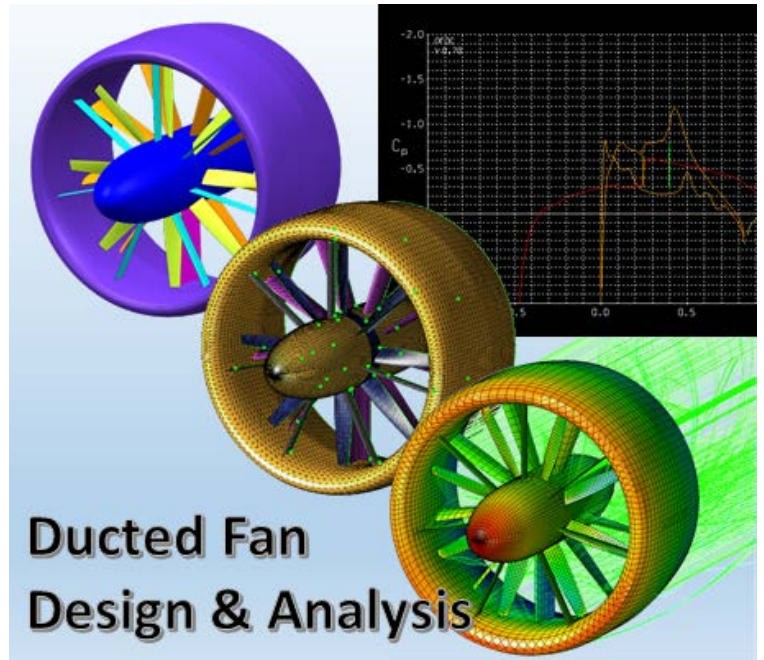
DARcorporation News

December 2017

Featured Service

Ducted Fan Design & Analysis

DARcorporation engineers are capable of performing detailed aerodynamic design and analysis on any ducted fan or propeller. Flow characteristics around the propeller/fan rotor can be accurately analyzed and the optimal propeller layout can be determined to ensure superior aircraft performance. Preliminary design phase starts with airfoil geometry and initial structural layout followed by detailed design phase with higher-fidelity aerodynamic and structural analyses. The pressure distribution obtained from the aerodynamic analysis is used in structural design and analysis for optimal strength and weight of the propeller blades and related structures. DARcorporation can quickly produce manufacturing plans or drawings for propeller prototype construction and perform performance/structural testings as well, making DARcorporation a one-stop shop for your propeller or ducted fan design needs.



DARcorporation Entry for Create the Future Contest Awarded Certificate of Achievement!



[DragShield](#) (patent-pending) was entered and selected as one of the Top 100 Entries in the Create the Future 2017 Design Contest. It is an aerodynamic device (see image on left) placed behind a pickup truck cab to reduce the drag on the vehicle which in turn increases the vehicle's fuel economy. Launched in 2002, Create the Future Design Contest by NASA Tech Briefs is to help stimulate and reward engineering innovation from engineers, entrepreneurs and students worldwide.

Upcoming Conference and Webinars:



January 8-12, 2018
Gaylord Palms Resort & Convention Center
Kissimmee, Florida

Exhibit Hall Booth: [#527](#) (on the furthest right aisle)

Technical Paper Presentation:

January 12, 10 AM in Room Sun 2
Comparison of Aerodynamic Analysis Tools for Rotorcraft in Hover



5 New Webinars on History of Airplane Design in 2018!

11 AM CT, Mar. 14, May 9,
Jul. 11, Sep. 12 & Nov. 14

Instructor: [Dr. Jan Roskam](#)

Description: Dr. Jan Roskam continues the informative History of Airplane Design webinar series, exploring the evolution of top aircraft designers and manufacturing companies. New for 2018, the Five-Webinar Combo Discount allows you to [register for all five](#) History of Airplane Design webinars for \$200, a \$50 savings! This offer ends March 13, 2018. Each webinar in the series costs \$50 if registered individually

The DARcorporation Advantage

Experience in the design, detailed analysis and building of prototypes gives DARcorporation a unique advantage over other companies, since we can go from initial design all the way through full size prototype manufacturing. We will work with you to design and optimize your aircraft for performance, manufacturability and cost. Let us know how we can support your projects!

[Contact Us](#)



[Consulting Services](#) | [Software](#) | [Books](#)



Copyright © 1991-2017 DARcorporation.
All rights reserved. [Privacy Statement](#).