



## New VP to Lead Altair's Virtual Wind Tunnel Solutions

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### Dr. Paul Stewart Joins Altair as VP, Automotive Aerodynamics Modeling and Visualization

TROY, Mich., Feb. 13, 2018 (GLOBE NEWSWIRE) -- Dr. Paul Stewart has joined [Altair](#) (Nasdaq:ALTR) as VP, Automotive Aerodynamics Modeling and Visualization. He will lead Altair's Virtual Wind Tunnel solutions operations, focusing on fluid dynamics for ground transportation vehicle design. Dr. Stewart was most recently at Exa Corporation, acquired by Dassault Systemes in 2017, where he was Senior Director, Design and Visualization.

During his 30+ year career developing design technologies, Dr. Stewart has pioneered the application of shape morphing to automotive aerodynamic design. He holds a Ph.D. in Naval Architecture and Marine Engineering from the University of Michigan, where his doctoral research on the mathematics of faired curves and surfaces for vehicle design was sponsored by Chrysler. Industry positions have included 15 years at Exa and 11 years at Ford Research. Professional accomplishments of note include a process-driven meshing and parametric shape modification tool, ground-breaking work using statistical analysis and response surfaces to understand and optimize the aerodynamic performance of styling surfaces parameterized with free-form character features, and technologies to better visualize and understand complex three-dimensional fluid flow including immersive virtual 3D visualization.

"While working on the deep mathematics underlying advanced computational fluid dynamics (CFD), it has always been a priority to support the design studio", said Dr. Stewart. "Successfully applying interdisciplinary simulation can help designers in their mission to capture the OEM's brand and the vehicle buyer's imagination."

With the unprecedented capabilities of CFD software enabled by High-Performance Computing, simulation-driven design for market-leading aerodynamic performance is achievable with great savings in time and cost versus physical testing. In his new role Dr. Stewart will help broaden Altair's footprint within vehicle development processes from up-stream design interaction and functionality to downstream integration with Altair's solvers in the HyperWorks suite for vehicle dynamics and structural optimization.

James Dagg, CTO, Modeling and Visualization at Altair, states that, "Bringing Paul on board underscores Altair's commitment and continued investment in the rapidly growing CFD market. Building on the commercial release of Altair's GPU based Lattice Boltzmann Method (LBM) technology platform for CFD, which offers unprecedented turn-around-time and accuracy at a fraction of the cost of other LBM and Navier-Stokes based CFD technologies, Paul will help guide further optimization of Altair's process tools".

#### About Altair (Nasdaq: [ALTR](#))

Altair is focused on the development and broad application of simulation technology to synthesize and optimize designs, processes and decisions for improved business performance. With more than 2,000 employees, Altair is headquartered in Troy, Michigan, USA and operates 69 offices throughout 24 countries. Altair serves more than 5,000 customers across broad industry segments. To learn more, please visit [www.altair.com](http://www.altair.com).

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