FOR IMMEDIATE RELEASE

Opterus R&D Licenses SwiftComp Software for Modeling Composite Aerospace and Angling Structures

West Jordan, Utah (USA), November 13, 2018- AnalySwift, LLC, a provider of efficient high-fidelity modeling software for composites and other advanced materials, announced that Opterus R&D has licensed its SwiftComp™ software for research and development in the aerospace and angling industries.

"Opterus is excited to increase the accuracy and efficiency of our high strain composite space structures and fishing rod modeling capabilities using SwiftComp," said Dr. Thomas Murphey, President, Opterus Research and Development, Inc., a firm with expertise in design, analysis, simulation, fabrication, and testing of composite structures. "Opterus has debuted a range of testing and predictive software technologies, including SwiftComp."

With a heavy background in aerospace composites, Opterus R&D specializes in deployable space structures, high strain composites, and large deformation structures. Opterus R&D additionally has expertise in the angling industry, where it offers product development technologies and R&D services that greatly accelerate product innovation and time to market.

"We are pleased the SwiftComp software is able to assist in the composite simulation work done by Opterus Research and Development, Inc. and Dr. Thomas Murphey," said Allan Wood, President and CEO of AnalySwift. "Opterus R&D is conducting cutting edge work in the composites industry on a variety of structures where accuracy and efficiency are crucial."

In addition to aerospace structures, Opterus R&D also focuses on the sporting goods market by pursuing the idea that solving the technical mysteries of angling will lead to better angling experiences on the water and increased economic opportunities off the water. SwiftComp allows fishing rod performance to be predicted based on simple material and taper parameters. Rod strength and deflection curves under any loading conditions are also readily calculated.

SwiftComp is a general-purpose multiscale modeling code that enables users to perform efficient and accurate modeling of composites. It quickly calculates the complete set of effective properties, and it can compute the best structural properties for use in structural analysis. SwiftComp can also predict accurate local stresses and strains in the microstructure. The program provides unified modeling for various types of structures including 1D (beams), 2D (plates/shells), and 3D structures, quickly and seamlessly linking structural mechanics and micromechanics. SwiftComp can be used either

independently as a tool for virtual testing of composites or as a plugin to power conventional FEA codes with high-fidelity multiscale modeling for composites.

"SwiftComp can save users runtime when the software is being used in their research and enable engineers to tackle complex problems impossible with other tools," said Dr. Wenbin Yu, chief technology officer of AnalySwift. "Because of its versatile nature, SwiftComp has applications in aerospace, defense, automotive, energy, sporting goods, and any other industry involving composites. Whether engineers are designing a new composite material or analyzing a structure, SwiftComp can reproduce first principle 3D FEA results at the efficiency of simple engineering models."

About AnalySwift

AnalySwift, LLC is a provider of composite software, which enables an unprecedented combination of efficiency and accuracy, including multiphysics structural and micromechanics modeling. Drawing on cutting edge university technology, AnalySwift's powerful solutions provide customers a competitive advantage through drastic reductions in engineering time, virtual testing earlier in the design process, and handling of more complex composite structures. Licensed from Purdue University, Utah State University, and Georgia Institute of Technology, our technologies deliver the accuracy of detailed 3D FEA at the efficiency of simple engineering models, cutting analysis time by orders of magnitude. AnalySwift is a member of the Institute for Advanced Composites Manufacturing Innovation (IACMI. Find out more at analyswift.com.

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