FOR IMMEDIATE RELEASE

AnalySwift Sponsors SAMPE 2022 Student Bridge Contest, Offers Free Access to VABS Beam Modeling Software

West Lafayette, Indiana (USA), May 12, 2022- AnalySwift, LLC, a provider of efficient high-fidelity modeling software for composites and other advanced materials, announced today its sponsorship of the SAMPE 2022 Student Bridge Contest.

Hosted by SAMPE (Society for the Advancement of Material and Process Engineering), the Student Bridge Contest engages students through a team competition designing, manufacturing, and testing small-scale structural bridges made from composite materials. Winners in the Bridge Contest receive notoriety, including cash and the SAMPE Student Bridge Champion trophy.

"With participation worldwide, these contests are an excellent opportunity for students interested in pursuing a career in advanced composites," said Allan Wood, president & CEO of AnalySwift. "AnalySwift is pleased to offer student teams free access to the VABS composite simulation software. VABS helps accelerate students' design and analysis with its rigorous modeling of slender composite structures, such as bridges, columns, and other structures typically handled as beams. For instance, VABS quickly calculates accurate bending stiffness, neutral axis, extension stiffness, failure index, and strength ratios. Students can use VABS on a typical laptop computer to calculate the ply-level details with the accuracy of 3D FEA in seconds."

This will be the 23rd year SAMPE has hosted the event, which will be held May 25, 2022, at the SAMPE conference and exhibition in Charlotte, North Carolina. According to SAMPE, 73 teams from 13 universities and colleges from 5 countries participated in the Bridge Contest in 2019. For more information on the Bridge Contest, including how student teams can access VABS, please visit the SAMPE Student Bridge Contest webpage.

"VABS is capable of rigorously reducing an original 3D slender solid with complex cross-sections into a simple engineering beam model," according to Dr. Wenbin Yu, CTO of AnalySwift. "With continuous development funded by the US Army and other agencies spanning over 30 years for performance and robustness, VABS' accuracy has been extensively verified. "

VABS is a general-purpose cross-sectional analysis tool for computing beam properties and recovering 3D stresses/strains of slender composite structures. It is a powerful tool for modeling composite helicopter, air mobility, and wind turbine rotor blades, as well as other slender composite structures, such as bridges, landing gear, propellers, high-aspect ratio wings, golf club shafts, fishing rods, columns, poles, shafts, and rods. Please visit the VABS webpage to learn more.

About AnalySwift

AnalySwift, LLC is a provider of composite simulation 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. Our technologies deliver the accuracy of detailed 3D FEA at the efficiency of simple engineering models, cutting analysis time by orders of magnitude. SwiftComp is licensed from Purdue Research Foundation. VABS is licensed from Utah State University, Georgia Institute of Technology, and Purdue University. Find out more at analyswift.com.

About SAMPE

The Society for the Advancement of Material and Process Engineering (SAMPE®), a global professional member society, provides enhanced educational opportunities by delivering information on new and advanced materials and processing technology. SAMPE provides growth and educational opportunities via conferences, exhibitions, technical forums, and publications. As the only technical society encompassing all fields of endeavor in materials and processes, SAMPE provides a unique and valuable forum for scientists, engineers, and academicians. SAMPE North America is a regional subsidiary of SAMPE that serves Canada, Mexico, and the United States.

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