



ANSYS Announces Winner Of 2016 Hall Of Fame Competition

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PITTSBURGH, Jan. 6, 2016 /PRNewswire/ -- From reducing aircraft emissions to pinpointing the degree of cervical degenerative disc disease before and after treatment, the six winning entries of the annual [ANSYS](#) (NASDAQ: ANSS) Hall of Fame competition highlights how simulation software is solving the most complex engineering challenges across industries.

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The contest gives ANSYS users the opportunity to showcase their simulation and engineering skills by producing striking images and animations. The submissions were divided into two categories – corporate and academic – and allowed ANSYS to select multiple "best-in-class" winners from each category.

The corporate winners are:

- [Combustion Research and Flow Technology, Inc.](#) (CRAFT Tech), specializes in high-fidelity computational fluid dynamics (CFD) simulations of complex flow and combustion problems. Using ANSYS, CRAFT Tech engineers accurately captured flame temperature suppression in aircraft propulsion and power generation systems, enabling aircraft engine manufacturers to reduce emissions and avoid potentially dangerous flameout conditions.
- [Design Methods](#) provides multidisciplinary consulting and designing services using state-of-the-art aerospace technologies. Design Methods used ANSYS solutions to successfully design an A-Class catamaran sail, enabling the company to offer a premium design service to sail manufacturers, sailing teams and private ship owners to improve the performance of any sailing ship.
- [Lucy Electric](#), a leader in secondary power distribution solutions, specializing in high-performance medium voltage switchgear. Lucy Electric engineers used ANSYS electromagnetic field simulations to model how the effects in time-varying loads influence the current distribution among contact points in circular contact elements of electric switchgear. As a result, they reduced the number of failed tests and sped up the electric switchgear design process.

The academic winners are:

- [City University London](#) and [Centre for Research and Technology Hellas](#), whose researchers used ANSYS solutions to model gas/oil droplets in a fluid catalytic cracking reactor for more efficient conversion in petroleum refining.
- [Leibniz University Hannover](#) researchers used ANSYS multiphysics solutions to design a novel two-frequency induction furnace used for melting metals. This enabled the researchers to create a design that prevents metal leakage, a known limiting factor for melts over a certain size.
- [National Taiwan University of Science and Technology](#) researchers used ANSYS solutions to model the human upper body to explore different surgical techniques and physiological movements, which led to successfully identifying the extent of cervical degenerative disc disease before and after treatment.

"It's exciting to see the caliber of entries we receive each year for the Hall of Fame competition that highlight the value of engineering simulation," said Mark Hindsbo, vice president of marketing, ANSYS. "Companies in virtually every industry are using simulation to accelerate the design process, reduce time to market and most importantly, innovate both in product performance and energy efficiency. These best-in-class winners provide valuable insight and highlight how simulation can be used to design the products of tomorrow."

View the ANSYS Hall of Fame Archive at <http://www.ansys.com/HOF> for submissions from previous years' competitions.

About ANSYS, Inc.

ANSYS is the global leader in engineering simulation. We bring clarity and insight to our customer's most complex design challenges through the broadest portfolio of fast, accurate and reliable simulation tools. Our technology enables organizations in all industries to imagine high-quality, innovative and sustainable product designs that have an accelerated time to market. Founded in 1970, ANSYS employs almost 3000 professionals, more than 700 of them with PhDs in engineering fields such as finite element analysis, computational fluid dynamics, electronics and electromagnetics, embedded software, system simulation and design optimization. Headquartered south of Pittsburgh, U.S.A., ANSYS has more than 75 strategic sales and development locations throughout the world with a network of channel partners in 40+ countries. Visit www.ansys.com for more information.

ANSYS also has a strong presence on the major social channels. To join the simulation conversation, please visit: www.ansys.com/Social@ANSYS

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