Simulation in the News

ANSYS 18.2 ENHANCES SIMULATION SPEED AND ACCURACY
Market Insider, August 2017

This latest release brings increased levels of accuracy, speed and ease of use — spurring more engineers to use simulation across every stage of the product lifecycle to more efficiently and economically design cutting-edge products. Highlights include advanced visualization and modeling for better antenna design; increased speed for more robust electronics design; new acoustics and topology optimization; faster, more detailed and accurate CFD models; integrating systems and failure analysis; and topology optimization and transient CFD for design engineers.

ANSYS ACQUIRES COMPUTATIONAL ENGINEERING INTERNATIONAL
Digital Engineering, July 2017

ANSYS has acquired Computational Engineering International, Inc. (CEI), developer of a suite of products that helps engineers and scientists analyze, visualize and communicate simulation data.

“By bringing CEI’s leading visualization tools into the ANSYS portfolio, customers will be able to make better engineering and business decisions, leading to even more amazing products in the future.”

— Mark Hindsbo
Vice President and General Manager, ANSYS

SYNOPSYS, ANSYS INTEGRATE PRODUCTS
EET India, June 2017

By partnering, the companies will enable customers to accelerate the next generation of high-performance computing, mobile and automotive products. The partnership will tightly integrate ANSYS’ power integrity and reliability signoff technologies with Synopsys’ physical implementation solution for in-design usage.

HOW MANUFACTURERS ARE DRIVING AUTOMOTIVE INNOVATION
Auto Tech Review, July 2017

Automotive systems are far more complex than ever and must meet government standards that regulate fuel efficiency and emissions. In addition, manufacturers face market demand for new technologies and innovations, like electric and hybrid cars as well as autonomous vehicles. In this environment, engineering simulation is indispensable.

ANSYS SELF-HEAT, POWER INTEGRITY AND ELECTROMIGRATION SOLUTIONS ENABLED ON SAMSUNG’S LATEST FINFET TECHNOLOGY
CNC Times, May 2017

Certification of self-heat for 10 nm chip technologies and enablement of electromigration (EM) and voltage drop (IR) for the latest 7LPP/8LPP technologies reduces customers’ design risk while providing robustness and reliability to their high-performance computing, mobile and automotive applications.
THE FUTURE IS 8.8 BILLION MILES AWAY
ANSYS.com, July 2017
Self-driving cars may be the future of transportation, but the underlying technologies will require an estimated 8.8 billion miles of road tests before they are ready. These road tests would require more than 26,000 years, so simulation is required to deliver autonomous vehicles safely to market in a reasonable time.

STRATEGIC VALUE OF HIGH-PERFORMANCE COMPUTING FOR INNOVATION
Open Access Government, August 2017
Wim Slagter of ANSYS highlights the importance of a sustained investment in high-performance computing (HPC). With HPC, engineers and researchers can explore highly detailed simulation models that provide valuable insight into product behavior.

“HPC is without doubt a key enabler of scientific and industrial innovation today.”
— Wim Slagter
Director HPC & Cloud Alliances, ANSYS

KRONO-SAFE, ANSYS PARTNER TO ACCELERATE AVIONICS SOFTWARE DEVELOPMENT
Avionics, June 2017
To build safer airplanes while optimizing fleet maintenance and cost, new aerospace computers must be built to handle both traditional safety-critical control and command applications, as well as modern maintenance and monitoring capabilities. KRONO-SAFE’s integrated real-time operating system platform, ASTERIOS®, with ANSYS’ embedded software, ANSYS SCADE Suite, provides aerospace customers with a real-time integration flow suitable for safety-critical avionics multirate applications on single or multicore platforms.

ANSYS BRINGING SIMULATION TO THINGWORX’S IOT AND DIGITAL TWINS
Engineering.com, May 2017
The development of a connector between the ANSYS platform and the ThingWorx® Industrial Internet of Things (IoT) platform from PTC will enable customers to transform raw data into new forms of actionable intelligence. The connector will integrate intelligent digital simulation models with products as they exist and operate in the real world. This will open up new opportunities for companies to create value by optimizing operations and maintenance, and then integrating them into their product development processes.

ANSYS, SAUDI ARAMCO AND KAUST SHATTER SUPERCOMPUTING RECORD
Trade Arabia, July 2017
Saudi Aramco, King Abdullah University of Science and Technology (KAUST) and ANSYS have set a new supercomputing milestone by scaling ANSYS Fluent to nearly 200,000 processor cores. High computing speed enables organizations to make critical and cost-effective decisions faster and increase the overall efficiency of oil and gas production facilities.