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RETOMO Software to Transform CT Image Data into Analysis-Ready Models Selected *DE* Editor's Pick of the Week

New toolset that integrates CT scanners into engineer workflows intrigues Editor at Large.

FRAMINGHAM, MASSACHUSETTS, USA – *Digital Engineering* (*DE*; digitaleng.news) announces that BETA CAE Systems' (Lucerne, Switzerland) new RETOMO software to transform image data generated by CT (computed tomography) scanners into analysis-ready models is its Editor's Pick of the Week for July 19, 2017.

"RETOMO is the newest member of the BETA CAE Systems' line of high-powered, industry-oriented CAE (computer-aided engineering) solutions," writes Anthony J. Lockwood, editor at large for *DE*. "It's a toolset with high-end methods and algorithms for importing, processing, reducing, reconstructing and visualizing CT images then exporting them to a preprocessor. In other words, it enables you to import standard formats of CT-scanned image data and transform it into tessellated models prepared for export and deeper engineering analysis."

"RETOMO deploys an uncluttered ribbon bar across the top of your work area," he says. "From its logically grouped tools and functions, you import CT data and do all your segmenting, slicing and other prep work then output your detailed tessellated models. By the way, it exports OBJ-formatted files of the FE (finite element) model, and it produces a file for each material."

"RETOMO handles multi-material objects and big datasets efficiently," Lockwood continues. "In a single pass, the software will generate separate meshes for every material in a scan. While it's meshing, you can keep doing mesh smoothing and simplification. You can save steps and processes then reuse them later on demand."

RETOMO is "multithreaded, so it will use the memory and cores you have available, but its requirements are minimal," he adds. "Its simultaneously solid and transparent 3D volume rendering functionality for visualizing materials is cool."

Read the full Editor's Pick of the Week at "[Software Integrates CT Scans with CAE](#)."

Digital Engineering is published monthly by Peerless Media LLC, a leading business-to-business publishing company in the supply chain, logistics, materials handling, and manufacturing industries. Its readership of 60,000 is 100-percent involved in upfront design processes. *Digital Engineering's* website, digitaleng.news, is a valuable resource updated regularly with breaking news from the global engineering, design and manufacturing industries.

"*DE* covers the technologies used throughout the product development cycle, including computer-aided design and manufacturing, simulation and analysis, 3D printing, testing and data management—as well as the computing tools that enable them," said Jamie Gooch, editorial director. "We are focused on helping design engineers, industrial designers, simulation analysts, engineering management and IT professionals collaborate to produce optimal products using the best technologies available for their industries."

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