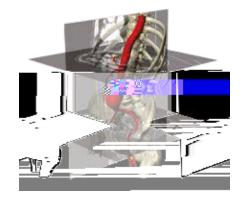
Simpleware software provides solutions for generating high-quality models from 3D image data (MRI, CT, micro-CT, FIB-SEM...) for direct export to Abaqus software for very realistic simulations. This solution is smooth and robust for workflows using complex image data, and opens up a wide range of applications for Abaqus users needing a straightforward route from scan to CAD, FEA and CFD.

- Work with wide range of 3D image data and CAD files
- Fast and time saving workflow
- · Easy-to-use and intuitive interface
- · Customizable, including scripting
- Industry-leading mesh quality
- Dedicated Abaqus exports
- Extensive technical support and consulting services

- Automated multi-part meshing for structural FEA and CFD
- Fix models (dirty CAD, orphan/ deformed meshes, Booleans...)
- Rapid image data visualization and animation in 2D and 3D
- Comprehensive image processing & analysis tools
- · CAD integration & NURBS export
- FE-based homogenization modules





e.g. medical devices, orthopedics, physiological flows...

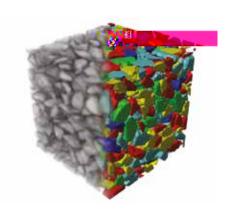
e.g. alloys, composites, soils, concrete, porous media, plastics, rubbers...

e.g. automotive, aerospace, consumer and legacy products...

e.g. product design, industrial filters, fuel cells, batteries, welds...

e.g. digital rock physics, special core analysis, geophysics field data...

e.g. textiles, ceramics, insulation materials, fibres...



	Diabetic foot represents a complication of diabetes that
R. Clague ¹ • P.R. Shearing ¹ • P.D. Lee ¹ • Z. Zhang ¹ • D.J.L. Brett ² • A.J. Man	can lead to foot ulcers and other serious conditions. 3D FE quisinpleware software was used to reconstruct a complex SOE m icrostructill gives and yithin the foot simpleware software was Abaqus for 3D FE tress analysis across t
he phases at interfaces of the fuel cells. The analysis found that the strength of the nickel in the fuel cell is exceeded at the interface of the two phases, suggesting its importance stress relief in the electrodes as they are heated or cool	e yield e e for
A. Guiotto • Z. Sawacha • G. Guarneri • A. Avogaro • C. Cobelli University of Padova, Padova, Italy	