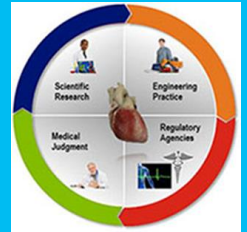


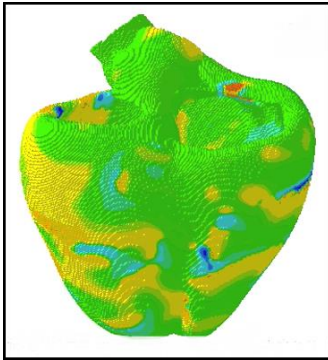


UberCloud Helps Living Heart Project Researchers, Educators, Medical Device Developers, and Practicing Cardiologists Deploying Powerful Cloud Services



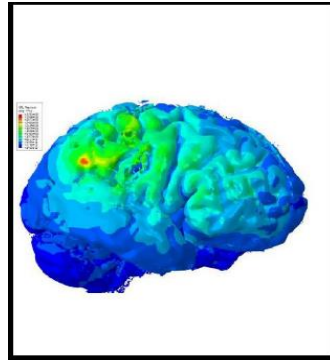
UberCloud is a services provider for engineers and scientists to discover, try, and buy cloud services, on demand. UberCloud's novel software container technology enables engineers and software vendors to easily build, deploy, access and use Software as a Service, enhancing their in-house computing infrastructure with an additional, fully automated and self-service high-performance cloud service.

UberCloud Personalized Healthcare Projects



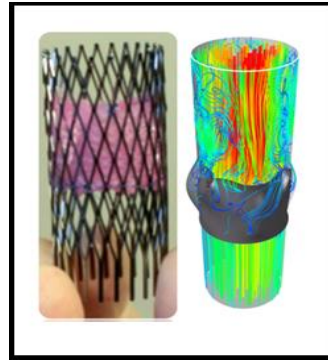
Drug-induced Arrhythmias of a Human Heart

Stanford-UberCloud case study 197 is about drug-induced Arrhythmias of a human heart with Abaqus in the Cloud. With this new software tool, drug developers are able to quickly assess the viability of a new compound. This means better and safer drugs reaching the market to improve patients' lives.



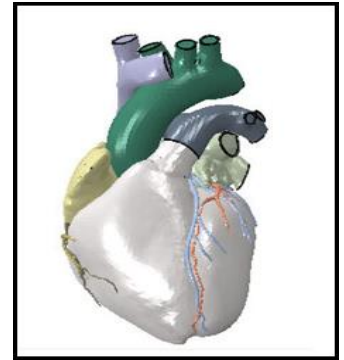
Direct Current Brain Stimulation in Schizophrenia

NIMHANS-UberCloud case study 200 about HPC Cloud simulation of direct current brain stimulation in Schizophrenia presents a novel non-invasive method which has the potential to replace painful complex and high-risk invasive procedures, resulting in cheaper and faster, ambulant solutions.



Artificial Aortic Heart Valves Simulations

Enmodes-UberCloud case study 215 is about fluid-structure interaction simulation of artificial aortic heart valves where the developed simulation model is intended for the better understanding of the dynamic behavior of the valve and its effect on the hemodynamics of the valve.



Simulation of Left Atrial Appendage Occluder Device

ADMEDES-UberCloud case study 216 is about the simulation of a Living Heart Model specific Left Atrial Appendage (LAA) occluder braided device. The simulation helps to evaluate the cyclic loading on such a device using beating heart simulation possibility of the Living Heart Model.



WHAT OUR USERS ARE SAYING

"Our successful partnership with UberCloud has allowed us to perform virtual drug testing using realistic human heart models. For us, UberCloud's high-performance cloud computing environment and the close collaboration with HPE, Dassault, and Advania, were critical to speed-up our simulations, which help us to identify the arrhythmic risk of existing and new drugs in the benefit of human health."

Prof. Ellen Kuhl, Head of Living Matter Laboratory at Stanford University

OUR LHP PARTNERS

