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Home

Version 37, last updated by advornik at 2013-05-13

Welcome to the OpenSurgSim Project!

OpenSurgSim is a new (2013) effort to build an open-source surgical simulation framework. The foundation of the framework draws on many years of proprietary simulation development that has matured to the point of being generally useful for a wide range of simulators. Over the course of the year, the released framework will grow from the minimal infrastructure that is currently available to a system capable of creating complete simulations. Although the initial core is being contributed by SimQuest, the intent is that other groups join in the effort to form an active community with contributions coming from a variety of places.

Importance and Background

Evolution of the Project

The effort is sponsored by the US Army Telemedicine & Advanced Technology Research Center (TATRC).

All code available here is under the Apache 2.0 license and is freely useable in both academic and commercial efforts.

Guiding Principles

Architecture

Development Roadmap

The Team

The initial core OpenSurgSim team at SimQuest Solutions Inc. is the force behind this project. Its members have many years of experience building surgical simulation systems and are familiar with the range of codes. The team is committed to improving the OpenSurgSim code base by building a vibrant developer/user community.

Join Us!

Are you a software developer with experience in simulation? Do you have experience in, or a desire to contribute to, the state-of-the-art in medical training? Do you have an interest in critiquing or developing code? Do you have C++ or software architecture skills? Do you want to be part of a project that will likely reduce the nation's surgical errors?

We encourage all members of the surgical simulation community to get involved with the project at any level. The code is rapidly growing and so now is a great time to weigh in with thoughts and ideas about the basic architecture and APIs. If you see something you like or don't like, or that could be more useful to you if it were done differently, speak up. This goes for the code as well as the rest of the project. We are open to ideas of all sorts.

When you join the OpenSurgSim developer community, you will have

- the ability to give feedback on basic architecture and APIs,
- a growing codebase for use and evaluation,
- an opportunity to influence the progress of OpenSurgSim to meet your needs, and
- a way to leverage your efforts into a larger community.

Resources

- OpenSurgSim project wiki (where you are now)

- OpenSurgSim mailing list/forum:
  - subscribe by sending a blank e-mail to opensurgsim+subscribe@simquest.com
  - unsubscribe by sending a blank e-mail to opensurgsim+unsubscribe@simquest.com
  - view the archives, subscribe, unsubscribe, manage settings and send messages using the Google Groups web interface (requires Google account)

- OpenSurgSim newsletter: subscribe for low-volume periodic updates

- Coding Standards

Comments are disabled for this space. In order to enable comments, Messages tool must be added to project. You can add Messages tool from Tools section on the Admin tab.