



## Hands-On Surgical Simulation Workshop

Rapid Prototyping of Surgical Simulators using Open Source Simulation Software



## Simulation

- A computerized model that represents a physical or simulated process
  - Craig Brannon, Legacy Interactive
- A simulation is typically a re-creation or creation of a plausible environment (not necessarily a real one) in which the (usual) activities of that environment can be conducted by the participant
  - David Gaba, Stanford University



## Why are you here?

- We hope that you:
  - Want to learn about computer simulation for surgical education
  - Have ideas on how simulation can improve and advance learning in surgery
  - Are committed to sharing ideas
  - Want to move from “possible” to “actual”
  - Wish to be part of an active community



## What we hope you learn:

- The potential for simulation in surgical education, and how to add to curricula
- What’s been done, & what hasn’t worked
- What is feasible, and what remains in the realm of “futures”
- How surgeons & developers can work together to define and build simulations
- How current open source platforms can be used for deployment of simulations



## Where you might take this...

- To surgical curriculum planning, to incorporate simulation into coursework
- To software engineers and scientists, for building applications for key needs
- To practicing surgeons, for evaluation and assessment of simulation tools
- To medical students, for their ideas and response to simulation in their education