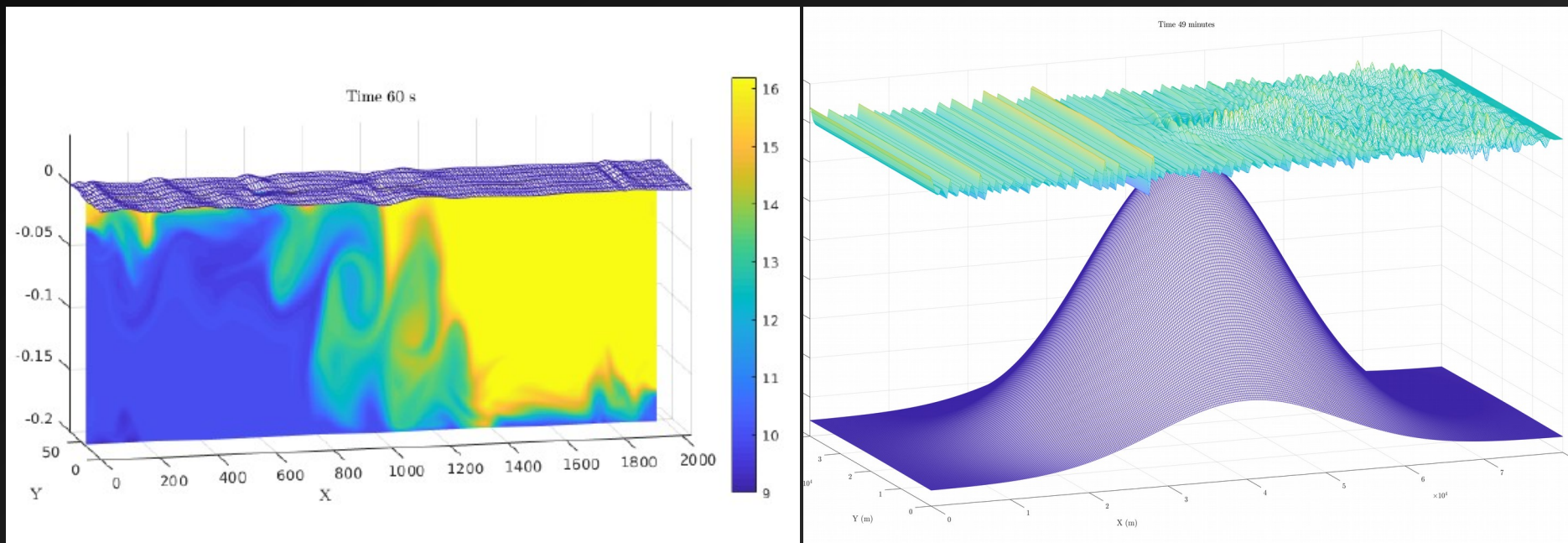# Jared Brzenski

San Diego State University

Ocean Modeling, General Curvilinear Coastal Ocean Model (GCCOM) built at SDSU. 4th order accurate. Masters Project: Coupling GCCOM with shallow water model to render surface features.

Jared Brzenski

GOALS for Summer Institute

Optimize coupling of models, paralllelize output!!

Optimize code for HPC (FORTRAN, PETsC, MPI, others...)

Use containers for easier deployment

Source: Design of a Distributed Coupling Toolkit for High performance
Computing Environment [9, §Figure 4]