

# Scientific Visualization using VisIt

Alex Razoumov and Marcelo Ponce



HPCS 2016 – June 20th, 2016



# Outline of the workshop

## Topics to cover:

- A quick introduction to Visualization & VisIt
- GUIs overview
- accessing data and managing files
- client/server visualization
- working with plots
- viz pipeline: working with operators
- interactive tools
- quantitative analysis
- animation and keyframing
- scripting

## Table of Contents

- 1 Introduction to Visualization
- 2 VisIt: an Overview
- 3 VisIt: Basic Visualization Tools
- 4 VisIt: Quantitative Analysis
- 5 VisIt: Professional Quality Plots & Movies Generation
- 6 VisIt [ADV]: Distributed Visualization
- 7 VisIt [ADV]: Scripting with Python
- 8 Summary

# Introduction to Visualization

# VisIt: an Overview

# VisIt: Basic Visualization Tools

# VisIt: Quantitative Analysis

# VisIt: Professional Quality Plots & Movies Generation

# VisIt [Adv]: Distributed Visualization



# VisIt [Adv]: Scripting with Python

# Summary