

# **Society of HPC Professionals**

**Fall Meeting  
3 November 2010**

# The Society of HPC Professionals

<http://www.hpcsociety.org>

A Texas Non-Profit Corporation 501 (c) 6

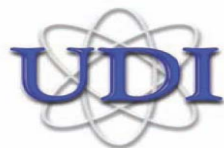
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- **Herb Riley-2010**
- **Gary Crouse-Executive Director-2011**

# Morning AGENDA:

- 9:00 Introductions -Meeting Overview – Gary Crouse (Executive Director SHPCP)
- 9:15 Keynote Address – To Compete You Must Compute - Susan Baldwin – Executive Director Compute Canada
- 10:00 BREAK**
- 10:30 Plenary Session 1 – Technology Trends in HPC - Addison Snell - CEO Intersect360 Research
- 11:15 Plenary Session 2 – Leading Edge HPC Technology in use today – Earl Dodd - Executive Director of the Rocky Mountain Supercomputing Centers, Inc.
- 12:00 LUNCH / Networking (Special Orders are Marked)**

# Afternoon AGENDA:

## BENCHMARKING/TOOLS & EMERGING TECHNOLOGIES

- 1:00 R&D hands on work on pre-exascale HPC systems - Joshua Mora, PhD
- 1:25 SequenceL and the multi-core programming challenge – Lawrence Waugh, Texas Multicore Technologies
- 1:50 Emerging Technologies and Innovative Solutions for Petroleum Engineering – Ravi Vadapalli – Texas Tech University
- 2:15 BREAK**
- 2:40 Effects of Clouds and Accelerators on the HPC Production Process – Steve Herbert – Founder - Nimbix
- 3:05 It's SIMD All Over Again – Doug McCowan – Bureau of Economic Geology - University of Texas
- 3:30 Panel Discussion on Benchmarking
- 4:00 Adjourn**

# QUESTIONS???

*“I spend more time worried about  
the return OF my money  
than the return ON my money”*

-Will Rogers

Keynote Address:

*To Compete You Must Compute*

Susan Baldwin

Executive Director Compute Canada



# Plenary Session 1

## *Technology Trends in HPC*

Addison Snell

CEO Intersect360 Research

# Plenary Session 2

*Leading Edge HPC Technology in  
use today*

Earl Dodd

Executive Director

Rocky Mountain Supercomputing  
Centers, Inc.

**Society of HPC Professionals**

**THANK YOU**