

# PARALLELISM IN EXPERIMENTAL NUCLEAR PHYSICS WORKSHOP

January 6<sup>th</sup> & 7<sup>th</sup>, 2011

Christopher Newport University

Newport News, VA

## TOPICS:

- ◇ GPUs and APUs
- ◇ Multi-core, Multi-threading
- ◇ Vectorization/SIMD
- ◇ Distributed Computing
- Clouds
- Virtualization
- ◇ Parallelism in DAQ systems
- ◇ Parallelism in Simulation

The workshop will consist of a full day of talks and discussion with an evening reception. The optional second day will consist of a tutorial on using software developed for the GlueX experiment in Hall-D which contains multiple parallelizing technologies (multi-threading, SIMD instructions, and GPUs).

## REGISTRATION:

**Deadline: Jan. 1, 2011**

Some travel support available

No registration fee

## ORGANIZING COMMITTEE:

David Lawrence\*

Ed Brash\*

Ole Hansen

Simon Taylor

David Heddle

Beni Zihlman

Sascha Somov

\*Co-Chair

<http://conferences.jlab.org/Parallelism2011>

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JSA: <http://www.jsallc.org/index.html>

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