

Information from DOE

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UNEDF East Lansing Meeting 2010

I. Recent DOE Developments

II. Continuation Progress Reports “CPRs” (universities only)

III. Administrative detail

IV. Exascale co-design centers

I. DOE Developments

1. Ted Barnes (Ted.Barnes@science.doe.gov and tbarnes@utk.edu) is at present continuing as a detailee at DOE at 30% effort. UNEDF remains one of his responsibilities.

E-mailing both GF and TB regarding SciDAC issues is a good idea; we work in collaboration.

2. Topical Collaborations funded (start date June 1, 2010)

Jet and Electromagnetic Tomography in Heavy Ion Collisions (JET)

Nuclear Reactions with Rare Isotopes (NRI): **strong overlap with UNEDF in the Reactions area**

Neutrinos and Nucleosynthesis (NuN)

II. UNEDF University CPRs

Progress report for year 4 and (short summary) proposed work year 5:

We will use essentially the same procedure as last year, a short local CPR + local budget information, combined with a common overall UNEDF CPR. This appeared to work well the last couple of years.

Main part of the guidelines:

Guidelines for annual continuation progress reports for universities participating in the UNEDF Collaboration

For the continuation progress report we suggest the following simplified procedure. This is essentially identical to the previous year's guidelines.

An email package of four documents should be sent to DOE NP (NOT to grants.gov) by the PI at each participating university. These documents and rough length guidelines are as follows:

1. A statement of the individual university's contributions to the UNEDF project in the previous budget period and plans for the next. This should include the tables (at the end) for publications and grad students, and list all relevant publications with coauthors at the submitting university in the previous budget year. (2-4 pp.)
2. The individual university's budget narrative for the next budget period. (1-2 pp.)
3. The individual university's 4620.1 budget sheet. (1 pp.)
4. The UNEDF Collaboration continuation progress report. (~ 50 pp.)

Documents 1-3 will be specific to each university. Document 4 will be identical for all university submissions.

Document 4 is a detailed annual description of the full UNEDF effort. It should concentrate on science, work accomplished (publications, preprints, talks, and graduate students and postdocs supported), and future goals, just as in a single university continuation progress report. It need not contain information on the project budget.

The principal topic should be the accomplishments of the previous year. All groups (labs and universities) within UNEDF may contribute to this document as appropriate. The estimated length of *50 pp.* is a rough guide.

These university submissions are due at DOE NP on 1 Sept. of each year (3 mos. before the end of the budget period). The next will be the UNEDF year 5 CPR, describing research progress in the period 12/01/09-11/30/10 and requesting UNEDF year 5 funding for the budget period 12/01/10-11/30/11. It is due at DOE NP on 9/01/10.

The submission should be sent to george.fai@science.doe.gov and ted.barnes@science.doe.gov, with a cc: to christine.izzo@science.doe.gov.

III. Administrative detail

Consider the final UNEDF closeout review. This is a SciDAC project. Hence it will be important to stress your computational accomplishments as well as your scientific ones. Specifically, it will be important to demonstrate petascale apps (or attempts to reach petascale). Report core counts, scaling behavior etc, in addition to the science goals. (This collaboration already appears well aware of this necessity.)

IV. Exascale co-design center

FOA for National Laboratories posted on June 8, deadline: July 9, 2010

“...scientific problem requirements influence architecture design and technology, and constraints inform formulation and design of algorithms...”

It is anticipated that \$8M of ASCR funds will be available in FY10