# Cover Page

**Office of Advanced Scientific Computing Research (ASCR)**

A Hierarchical Approach to Uncertainty Quantification

Lab 13-895

For the period September 1, 2013 – August 31, 2016

Principal Investigator Official Signing for LBNL

**John Bell David L. Brown**

**Computational Research Division Computational Research Division, Director**

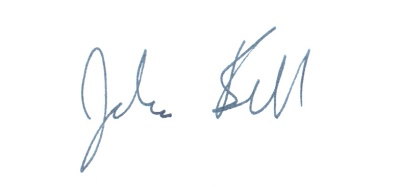
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5/22/13 5/22/13

PI Signature and Date Official Signature and Date

**DOE / Office of Science Program Office Technical Contact:** Dr. Steven L. Lee

**Research areas:** Monte Carlo methods, sampling techniques, incorporating data

from experiments to reduce uncertainty, combustion, photovoltaics,

energy storage

Use of Human Subjects: No

Use of Vertebrate Animals: No

Cover Page Supplement for Collaborations

Participating Institutions:

Lawrence Berkeley National Laboratory, PI: John Bell

National Renewable Energy Laboratory, PI: Ray Grout

New York University, PI: Jonathan Goodman

The lead PI for the combined research activity is John Bell, LBNL

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| **A Hierarchical Approach to Uncertainty Quantification** | | | | | | |
|  | Names | Institution | Year 1 Budget | Year 2 Budget | Year 3 Budget | Total Budget |
| Lead PI | John Bell | LBNL | $533,761 | $550,672 | $569,848 | $1,654,281 |
| Co-PI | Ray Grout | NREL | $298,039 | $309,978 | $320,983 | $929,000 |
| **Totals** |  |  | $831,800 | $860,650 | $890,831 | $2,283,281 |

Note: We have not included a separate item for the NYU effort in the table. NYU effort would be funded by a subcontract administered through LBNL. The annual funding for that subcontract is $100K.