

Current and Pending -- PI Name: Manish Parashar

Current

- 1) Organization or Agency:** Department of Energy (DoE), via subcontract from Oak Ridge National Laboratory (ORNL)/UT Battelle
 - a) Title:** Exascale Co-Design Center
 - b) Inclusive dates of the project:** 01/01/2012-12/31/2016
 - c) Total funding:** \$300,000
 - d) Level of Effort (months/year or %/year):** 0.0

- 2) Organization or Agency:** Department of Energy
 - a) Title:** Scalable Data Management, Analysis, and Visualization
 - b) Inclusive dates of the project:** 01/01/2012-12/31/2016
 - c) Total funding:** \$625,000
 - d) Level of Effort (months/year or %/year):** 0.5 Summer Month

- 3) Organization or Agency:** Department of Energy
 - a) Title:** Partnership for Edge Physics Simulation
 - b) Inclusive dates of the project:** 07/01/2012-06/31/2017
 - c) Total funding:** \$300,000
 - d) Level of Effort (months/year or %/year):** 0.0

- 4) Organization or Agency:** National Science Foundation
 - a) Title:** Enhancing the Capacity for Information Assurance Education through Interdisciplinary Collaboration (Under NCE)
 - b) Inclusive dates of the project:** 11/01/2012-10/31/2015
 - c) Total funding:** \$292,670
 - d) Level of Effort (months/year or %/year):** 0.5 Summer Month

- 5) Organization or Agency:** National Science Foundation
 - a) Title:** Error Estimation, Data Assimilation and Uncertainty Quantification for Multiphysics and Multiscale Processes in Geological Media
 - b) Inclusive dates of the project:** 09/01/2012-08/31/2015
 - c) Total funding:** \$210,000
 - d) Level of Effort (months/year or %/year):** 0.0

- 6) Organization or Agency:** National Science Foundation
 - a) Title:** Scalable Data Coupling Abstraction for Data-Intensive Simulation Workflows
 - b) Inclusive dates of the project:** 05/01/2013-04/30/2016
 - c) Total funding:** \$547,283
 - d) Level of Effort (months/year or %/year):** 0.25 Summer Month

- 7) Organization or Agency:** National Science Foundation
 - a) Title:** An Experimental Platform for Investigating Energy-Performance Tradeoffs for Systems with Deep Memory Hierarchies
 - b) Inclusive dates of the project:** 04/01/2013-03/31/2016
 - c) Total funding:** \$300,000
 - d) Level of Effort (months/year or %/year):** 0.0 Summer Month

- 8) Organization or Agency:** Department of Energy via subcontract from Oak Ridge National Laboratory (ORNL)/UT Battelle
- a) Title:** Runtime System for I/O staging in support of Voluminous in-situ Processing of extreme scale data: (RSVP)
- b) Inclusive dates of the project:** 11/01/2013 – 10/31/2016
- c) Total funding:** \$300,000
- d) Level of Effort (months/year or %/year):** 0.5 Summer Month
- 9) Organization or Agency:** New Jersey Higher Education Capital Facilities Grant Program
- a) Title:** Advanced Compute and Data Cloud
- b) Inclusive dates of the project:** 11/01/2013 – 10/31/2016
- c) Total funding:** \$10,000,000
- d) Level of Effort (months/year or %/year):** 0.0 Summer Month
- 10) Organization or Agency:** National Institutes of Health
- a) Title:** Development and Dissemination of MuscleMiner: An Imaging Informatics Tool for Muscle
- b) Inclusive dates of the project:** 09/01/2014-08/31/2019
- c) Total Funding:** \$150,000
- d) Level of Effort (months/year or %/year):** 0.5 Academic Year Month
- 11) Organization or Agency:** National Science Foundation
- a) Title:** EAGER: Exploring Federations of Campus and National Cyberinfrastructure as Scalable Platforms for Science: A Case Study using Open Science Grid
- b) Inclusive dates of the project:** 09/01/2014 – 04/30/2016
- c) Total funding:** \$279,624
- d) Level of Effort (months/year or %/year):** 0.0 Summer Month
- 14) Organization or Agency:** National Science Foundation Ocean Observatories Initiative (OOI)
- a) Title:** OOI Education and Public Implementing Organization SA#11-09
- b) Inclusive dates of the project:** 07/01/2014-06/30/2015
- c) Total funding:** \$1,849.606
- d) Level of Effort:** 10% AY - 1 month, Summer 0.0 months

Pending

- 1) Organization or Agency:** Columbia University (NSF Prime)
 - a) Title:** BD Hubs: Collaborative: NORTHEAST: The North East Big Data Innovation Hub (THIS PROPOSAL)
 - b) Inclusive dates of the project:** 10/01/2015 – 9/30/2018
 - c) Total Funding:** \$1,250,000
 - d) Level of Effort (months/year):** 0 Month
- 2) Organization or Agency:** University of Delaware (NSF Prime)
 - a) Title:** S2I2: Impl: Chemicals and Materials Prediction Software-Institute
 - b) Inclusive dates of the project:** 02/01/2016 – 1/31/2021
 - c) Total Funding:** \$1,159,393
 - d) Level of Effort (months/year):** 0.5 Month
- 3) Organization or Agency:** National Science Foundation
 - a) Title:** BIG DATA: Collaborative Research: IA: F: Fractured Subsurface Characterization using High Performance Computing & Guided by Big Data
 - b) Inclusive dates of the project:** 01/01/2016 – 12/31/2018
 - c) Total Funding:** \$314,574
 - d) Level of Effort (months/year):** 0.5 Month
- 4) Organization or Agency:** National Science Foundation
 - a) Title:** NRT-IGE: Data Science Learning Concierge
 - b) Inclusive dates of the project:** 01/01/2016 – 12/31/2018
 - c) Total Funding:** \$499,320
 - d) Level of Effort (months/year):** 0.25 Month
- 5) Organization or Agency:** National Science Foundation
 - a) Title:** CC*DNI DIBBS: Rutgers University Virtual Data Facility (RU-VDF)
 - b) Inclusive dates of the project:** 09/01/2015 – 08/31/2020
 - c) Total Funding:** \$4,319,587
 - d) Level of Effort (months/year):** 0.25 Month
- 6) Organization or Agency:** National Science Foundation
 - a) Title:** CSR: Medium: Sustainable and Resilient Computing in Virtualized Systems with Deep Memory Hierarchies
 - b) Inclusive dates of the project:** 08/01/15 – 07/31/18
 - c) Total Funding:** \$799,275
 - d) Level of Effort (months/year or %/year):** 0.5 Summer Month
- 7) Organization or Agency:** National Science Foundation
 - a) Title:** SI2-SSE: CometCloud – Enabling Software-defined Cyberinfrastructure Federations for End-to-End Science Workflows
 - b) Inclusive dates of the project:** 08/01/15 - 07/31/18
 - c) Total Funding:** \$494,943
 - d) Level of Effort (months/year or %/year):** 0.25 Summer Month
- 8) Organization or Agency:** Consortium for Ocean Leadership (COL), National Science Foundation Ocean Observatories Initiative (OOI)
 - a) Title:** OOI Rutgers Cyberinfrastructure Operations and Maintenance (PI)

- b) **Inclusive dates of the project:** 05/01/2015-09/30/2017
- c) **Total funding:** \$11,542,986
- d) **Level of Effort:** 10% AY 1 month, Summer 0.0 months