

CURRENT -

Award Number: FA9550-12-1-0463
Title: Scalable High-order Methods for Multi-Scale Problems: Analysis, Algorithms, and Applications
Source of Support: AFOSR
PI: Mark Ainsworth
Co PI: George Karniadakis
Award Period: 09/30/12 - 11/29/16 (including optional period)
Award Amount: \$1,551,911
Person-Months per Year Committed to the Project: 0.05 months
Relevance to Proposed Work: None.

Award Number: TBA
Title: Fractional PDEs for Conservation Laws and Beyond; Theory, Numerics and Applications
Source of Support: ARMY
PI: George Karniadakis
Co PI: Mark Ainsworth
Award Period: 07/06/15 – 07/05/20
Award Amount: \$6,248,997
Person-Months per Year Committed to the Project: 1.0 months

Development and analysis of numerical algorithms for fractional PDEs.

Relevance to Proposed Work: Could provide background on other applications of proposed work.

Award Number: FA9550-12-1-0399
Title: Methods for High-order Multi-Scale and Stochastic Problems: Analysis, Algorithms, and Applications

Source of Support: AFOSR

PI: Paul Dupuis

Co PI's: Mark Ainsworth, Kavita Ramanan, Chi-Wang Shu

Award Period: 07/15/12 - 07/14/16

Award Amount: \$226,395

Person-Months per Year Committed to the Project: (Effort has been completed.)

Development and analysis of high-order numerical methods for multi-scale PDEs.

Relevance to Proposed Work: Could provide background for other applications of proposed work.

PENDING:

Award Number: Pending

Title: Dynamic Distributed Data-centric Resource Management

Source of Support: DOE (this proposal)

PI: Scott Klasky

Co PI: Mark Ainsworth

Award Period: 9/1/15 – 9/30/18

Award Amount: \$1,350,000

Person-Months Per Year Committed to the Project: 1.0