

April 18, 2019

Dr. V. Nagarajan, President
RNET Technologies, Inc.
240 West Elmwood Drive
Dayton, Ohio 45459-4248

Dr. Nagarajan:

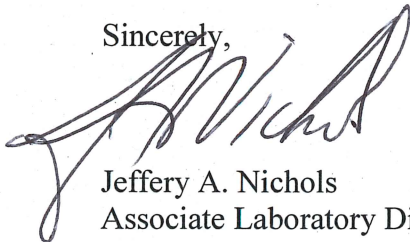
Letter of Support for ORNL Personnel to Participate in Project: VnV: A Self Documenting Testing Framework for In-situ Verification and Validation in High Performance Computing Applications

This is to confirm Oak Ridge National Laboratory research scientist, Dr. Gregory Watson, will participate in the proposed project, "VnV: A Self Documenting Testing Framework for In-situ Verification and Validation in High Performance Computing Applications," in response to DOE SBIR-STTR FY 2019 Phase II Release 2 Funding Opportunity Announcement DE-FOA 0001976.

Pending award and all required DOE approvals for this project, Dr. Watson will provide expertise and software development support for large scale distributed tests, a type safe injection point system using LLVM, and a lightweight distributed test execution framework. Dr. Watson will also provide expertise and software development support for integrating job parallelism features of the Eclipse Parallel Tools Platform.

Dr. Watson will commit 1,393 hours during the period of performance; budget table provided on page 2. If you need further information, please do not hesitate to contact me at 865-574-6224 or nicholsja@ornl.gov.

Sincerely,



Jeffery A. Nichols
Associate Laboratory Director
Computing and Computational Sciences

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Dr. V. Nagarajan, President

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VnV: A Self Documenting Testing Framework for In-situ Verification and Validation in High Performance Computing Applications,” in response to DOE SBIR-STTR FY 2019 Phase II Release 2 Funding Opportunity Announcement DE-FOA 0001976.

Estimated Budget by Fiscal Year				
Category	FY 2019	FY 2020	FY 2021	Total
Labor	\$14,099	\$123,913	\$109,592	\$247,604
Travel	\$243	\$2,057	\$1,812	\$4,112
Overhead	\$5,598	\$49,186	\$43,501	\$98,285
Subtotal	\$19,940	\$175,156	\$154,904	\$350,000
Grand Total	\$19,940	\$175,156	\$154,904	\$350,000
LDRD	\$798	\$7,006	\$6,196	\$14,000



Department of Energy

ORNL Site Office
P.O. Box 2008
Oak Ridge, Tennessee 37831-6269

April 17, 2019

Mr. Carl Hebron
Program Coordinator
Small Business Innovation Research/
Small Business Technology Transfer
Program Office
U.S. Department of Energy
1000 Independence Avenue, Southwest
Washington, DC 20585-1290

Dear Mr. Hebron:

DEPARTMENT OF ENERGY (DOE) FISCAL YEAR (FY) 2019 SMALL BUSINESS INNOVATION RESEARCH (SBIR)/SMALL BUSINESS TECHNOLOGY TRANSFER (STTR) PHASE II, RELEASE 2, FUNDING OPPORTUNITY ANNOUNCEMENT DE-FOA-0001976 (INTERNAL REFERENCE NUMBER NFE-19-07729)

UT-Battelle, LLC is the managing and operating contractor for the Oak Ridge National Laboratory (ORNL) under DOE Prime Contract Number DE-AC05-00OR22725. As a DOE Office of Science, Federally Funded Research and Development Center, ORNL is requesting authorization to team with RNET Technologies, Inc. in response to the FY 2019 Phase II, Release 2, of the DOE SBIR/STTR Solicitation DE-FOA-0001976. ORNL has submitted to the ORNL Site Office a statement of work (SOW) to assist in the development of a generic testing framework for designing and injecting self-documenting verification and validation software components into advanced numerical simulations. This SOW has been reviewed and approved according to our normal procedures and will be performed in accordance with contract number DE-AC05-00OR22725.

Authorization is granted for ORNL to participate in the proposed effort. The work proposed for the laboratory is consistent with, or complementary to, the missions of the laboratory, will not adversely impact execution of the DOE assigned programs at the laboratory, and will not place the laboratory in direct competition with the domestic private sector.

If there are any questions or additional information is required, please contact me at (865) 576-9262 or David Myers at (865) 576-5629.

Sincerely,

Kenneth L. Kimbrough
Contracting Officer