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RPPR Final Report
as of 18-Oct-2017

Agency Code:

Proposal Number: 68839MAREP

Agreement Number: W911NF-16-1-0429

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Report Date: 24-Oct-2017

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Final Report for Period Beginning 25-Jul-2016 and Ending 24-Jul-2017

Title: Acquisition of a Multi-Domain Advanced Real-Time Simulator to Support DoD-focused Interdisciplinary Research at CSUB

Begin Performance Period: 25-Jul-2016

End Performance Period: 24-Jul-2017

Report Term: 0-Other

Submitted By: Saeed Jafarzadeh

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Distribution Statement: 1-Approved for public release; distribution is unlimited.

STEM Degrees:

STEM Participants:

Major Goals: The goal of this project is to acquire a Multi-Domain Advanced Real-Time Simulator (MDARTS) to be housed at California State University, Bakersfield (CSUB), a Hispanic Serving Institution. MDARTS physically interfaces parts of a system (known as units under test) while simulating the rest of the system using real-time hardware and software (also known as hardware-in-the-loop). The instrument will provide real-time simulation capabilities, which are now key to the development and validation of a wide range of advanced engineering systems for increasingly complex applications, including those of interest to the DoD.

Accomplishments: The proposed MDARTS equipment has been purchased and has been recently delivered to CSUB. The installation and training portion of the project is also scheduled for late October, early November 2017.

Training Opportunities: The acquired equipment will provide the opportunity for CSUB faculty and student to perform advanced research at CSUB. The training sessions scheduled for the equipment is publicized by email and flyers in advance so the student and faculty can plan and attend to learn about the acquired equipment.

Results Dissemination: Nothing to Report

Honors and Awards: Nothing to Report

Protocol Activity Status:

Technology Transfer: Nothing to Report

PARTICIPANTS:

Participant Type: PD/PI

Participant: Saeed Jafarzadeh

Person Months Worked: 1.00

Funding Support:

RPPR Final Report
as of 18-Oct-2017

Project Contribution:
International Collaboration:
International Travel:
National Academy Member: N
Other Collaborators:

Acquisition of A Multi-Domain Advanced Real-time Simulator to Support DoD-focused Interdisciplinary Research at CSUB

Funded by ARO Probability and Statistics (PM: Dr. Joseph Myers)

Contract Number: W911NF-16-1-0429

Duration of the Project: July 15, 2016- July 14, 2017

PI: Dr. Saeed Jafarzadeh (California State University Bakersfield)

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The goal of this project is to acquire a Multi-Domain Advanced Real-Time Simulator (MDARTS) to be housed at California State University, Bakersfield (CSUB), a Hispanic Serving Institution. MDARTS physically interfaces parts of a system (known as units under test) while simulating the rest of the system using real-time hardware and software (also known as hardware-in-the-loop). The instrument will provide real-time simulation capabilities, which are now key to the development and validation of a wide range of advanced engineering systems for increasingly complex applications, including those of interest to the DoD.

Accomplished under Goals

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