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14. ABSTRACT

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UU	15. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON Dana Dabiri
a. REPORT UU	b. ABSTRACT UU	c. THIS PAGE UU			19b. TELEPHONE NUMBER 206-543-6067

RPPR Final Report
as of 18-Oct-2021

Agency Code: 21XD

Proposal Number: 72034EGRIP

Agreement Number: W911NF-18-1-0468

INVESTIGATOR(S):

Name: Dana Dabiri
Email: dabiri@aa.washington.edu
Phone Number: 2065436067
Principal: Y

Organization: **University of Washington**

Address: Office of Sponsored Programs, Seattle, WA 981959472

Country: USA

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Report Date: 31-Mar-2021

Date Received: 23-Aug-2021

Final Report for Period Beginning 01-Oct-2018 and Ending 31-Dec-2020

Title: Acquisition of a Volumetric Velocimetry System

Begin Performance Period: 01-Oct-2018

End Performance Period: 31-Dec-2020

Report Term: 0-Other

Submitted By: Dana Dabiri

Email: dabiri@aa.washington.edu

Phone: (206) 543-6067

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

STEM Degrees:

STEM Participants:

Major Goals: The goal of this DURIP was to purchase and set up a 3D Particle Velocimetry system for use in my laboratory, for use in further developing 2D/3D PTV, and for use in fundamental studies of fluid flow.

Accomplishments: 1) major activities

Our major activity was to purchase a 2D/3D PTV system.

2) specific objectives

Our specific objectives were collecting quotes for 2D/3D PTV systems, purchasing a system, and finally setting up the system in the lab.

3) significant results, including major findings, developments, or conclusions (both positive and negative)

As this was a DURIP to acquire a 2D/3D PTV system, there were no specific significant results, including major findings, developments, or conclusions.

4) key outcomes or other achievements.

We have achieved all of the specific objectives as described in (2) above. We have obtained a 2D/3D PTV system from TSI, who have been most helpful in interacting with us.

Training Opportunities: We are currently training students to use this system and use it for advancement of 3D Particle Tracking Velocimetry and scientific studies.

Results Dissemination: Nothing to Report

Honors and Awards: Nothing to Report

Protocol Activity Status:

Technology Transfer: Nothing to Report

PARTICIPANTS:

Participant Type: PD/PI

RPPR Final Report
as of 18-Oct-2021

Participant: Dana Dabri

Person Months Worked: 1.00

Project Contribution:

National Academy Member: N

Funding Support:

Partners

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I certify that the information in the report is complete and accurate:

Signature: Dana Dabiri

Signature Date: 8/23/21 11:53PM

The goal of this DURIP was to purchase and set up a 3D Particle Velocimetry system for use in my laboratory. To accomplish these goals, we purchased a 3D particle velocimetry system from TSI. We are currently training students to use this system and use it for advancement of 3D Particle Tracking Velocimetry and scientific studies.