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RPPR Final Report
as of 29-Jan-2020

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INVESTIGATOR(S):

Name: PhD Robert N. Candler

Email: rcandler@ee.ucla.edu

Phone Number: 3108254161

Principal: Y

Organization: **University of California - Los Angeles**

Address: Office of Contract and Grant Administration, Los Angeles, CA 900951406

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Email: rcandler@ee.ucla.edu

Phone: (310) 825-4161

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STEM Degrees:

STEM Participants:

Major Goals: Travel support for students to attend Transducers 2015

Accomplishments: See uploaded report

Training Opportunities: See uploaded report

Results Dissemination: See uploaded report

Honors and Awards: Nothing to Report

Protocol Activity Status:

Technology Transfer: Nothing to Report

PARTICIPANTS:

Participant Type: PD/PI

Participant: Rob Candler

Person Months Worked: 1.00

Funding Support:

Project Contribution:

International Collaboration:

International Travel:

National Academy Member: N

Other Collaborators:

RPPR Final Report
as of 29-Jan-2020

Research opportunity number: W911NF-12-R-0011-02

Travel support for student presenters to Transducers 2015, the 18th International Conference on Solid-State Sensors, Actuators, and Microsystems

Summary Report

This report describes the use of funds for student travel grants to the 18th International Conference on Solid-State Sensors, Actuators, and Microsystems (Transducers 2015).

Conference summary

The Transducers conference series provides an immersive technical experience for attendees, showcasing major technological, scientific and commercial breakthroughs in mechanical, optical, chemical and biological devices and systems using micro and nanotechnology. The conference was held from June 21st through June 25th, 2015 in Anchorage Alaska and included participants from academia, industry, and government research entities. The technical program included world-renowned plenary and invited speakers, as well as sessions for peer-reviewed oral and poster presentations. Transducers is a student-focused conference, where *a large majority of the presentations are given by graduate students and postdoctoral scholars.*

Selection Process

The travel grant awardees were selected from students who were first authors of accepted abstracts to the conference and whose work help exceptionally high promise.

Impact

This award provided valuable travel support to 6 student researchers, allowing these students to present their research results at the 18th International Conference on Solid-State Sensors, Actuators, and Microsystems, which was held in Anchorage, Alaska in June 2015. The conference, commonly known as “Transducers”, brings together researchers from all around the world to share their most recent results in fields ranging from medical devices to radio frequency systems to miniature robotics. While the conference brings together a group of researchers with diverse interests, they share the unifying theme of extreme miniaturization in their work, with devices ranging from the millimeter down to the nanometer size scales and below.

Attending these conferences is an invaluable experience for student researchers because it allows them to attend four days of technical presentations, developing in them a broad view of active research fields. At the same time, they are able to take a “depth dive” into their own fields and interact closely with fellow researchers who live across the country, or even around the world in some cases. However, the cost of registration and traveling to a conference for five days is significant, and the travel support helps reduce that cost for the students. In many cases, the student travel support provided by the ARO is the enabling factor that permits a student to attend, so this support can have a significant impact on the career trajectory of student researchers.