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4. TITLE AND SUBTITLE Final Report: Improved Infrastructure at Fisk University in the Area of Crystal Growth, Thin Film Deposition and Crystal Defect Characterization for Infrared Applications	5a. CONTRACT NUMBER W911NF-16-1-0459
	5b. GRANT NUMBER
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7. PERFORMING ORGANIZATION NAMES AND ADDRESSES Fisk University 1000 17th Avenue North Nashville, TN 37208 -3045	8. PERFORMING ORGANIZATION REPORT NUMBER
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13. SUPPLEMENTARY NOTES The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other documentation.

14. ABSTRACT

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UU	15. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON Arnold Burger
a. REPORT UU	b. ABSTRACT UU	c. THIS PAGE UU			19b. TELEPHONE NUMBER 615-329-8516

RPPR Final Report
as of 10-Jul-2018

Agency Code:

Proposal Number: 68821PHREP

Agreement Number: W911NF-16-1-0459

INVESTIGATOR(S):

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Final Report for Period Beginning 01-Sep-2016 and Ending 31-Aug-2017

Title: Improved Infrastructure at Fisk University in the Area of Crystal Growth, Thin Film Deposition and Crystal Defect Characterization for Infrared Applications

Begin Performance Period: 01-Sep-2016

End Performance Period: 31-Aug-2017

Report Term: 0-Other

Submitted By: Arnold Burger

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

STEM Degrees: 1

STEM Participants: 3

Major Goals: We have been able to place our Department among the leaders in the development of infrared materials based on wide bandgap semiconductors and will be striving in the next decades to maintain this leadership and add additional devices of interest to the Air Force. The instrumentation purchased under the proposed grant constitutes a major milestone in achieving this goal.

Accomplishments: The instrumentation was purchased and installed and as a result enhanced the research infrastructure of the research group in the Materials Science and Application Laboratory at Fisk University.

Training Opportunities: Undergraduate and graduate students were trained and use the equipment in their research.

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: Arnold Burger

Person Months Worked: 1.00

Funding Support:

Project Contribution:

International Collaboration:

International Travel:

National Academy Member: Y

Other Collaborators:

Participant Type: Postdoctoral (scholar, fellow or other postdoctoral position)

RPPR Final Report
as of 10-Jul-2018

Participant: Emmanuel Rowe
Person Months Worked: 1.00
Project Contribution:
International Collaboration:
International Travel:
National Academy Member: N
Other Collaborators:

Funding Support:

Nothing to report.