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- 6. Unless otherwise stated all items refer to this grant and the reporting period for this report.
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The metrics (students, faculty, papers, etc.) sections on Final Reports covers only the period from the last submitted progress report to the end of the contract or grant. The scientific progress (conclusions, etc.) covers the entire period of the contract or grant. All other reports cover the period shown above.

Report Type:

Interim Progress Report

Proposal Number: 58087CHSR

Agreement Number:

W911NF04D0004

Proposal Title:

Ultrafast Nonlinear Microscopy In III-V

Semiconductor Nanostructures

Report Period Begin Date:

08/01/2012

Report Period End

07/31/2013

Date:

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University of North Carolina - Chapel Hill Office of Sponsored Research Chapel Hill, NC 275991350

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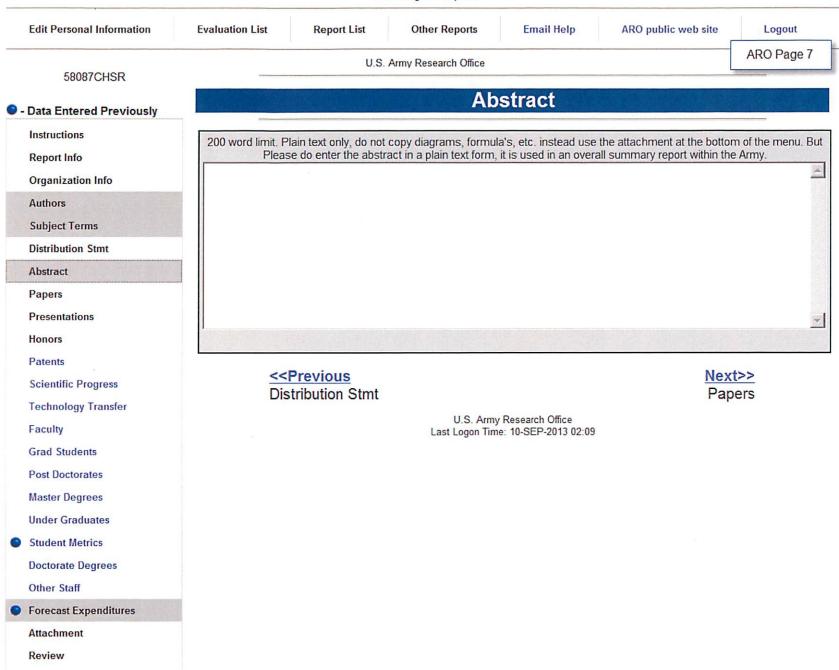
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# Report Entry for W911NF04D0004; Ultrafast Nonlinear Microscopy In III-V Semiconductor Nanostructures Only enter technical reports here (Reprints, Books, Manuscripts, Conference Proceedings, etc.) related to your project as required for your progress or final report. Please contact aror.extranet@us.army.mil if you ARO Page 9 have questions. **Retrieve Results** Enter a list of DOI numbers only, separated by commas or spaces If you have DOI's enter them to the right, then click Retrieve. If you do not have DOI's select the button Retrieve below to enter a report 0 of 0 DOI's were found. + Manually Enter a New Report Reports Entered Previously (Double Click to Edit unfinished reports) Delete Downlo # Status Date Entered Type Archived Thu Dec 15 2011 Manuscript Characterizing electron-hole plasma dynamics at different points in individual ZnO rods

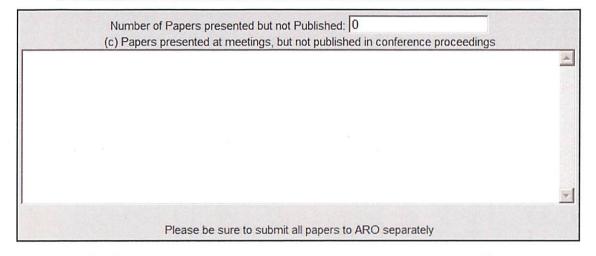
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# Presentations at meetings, but not published in conference proceedings



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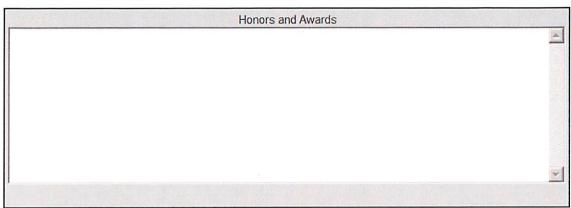
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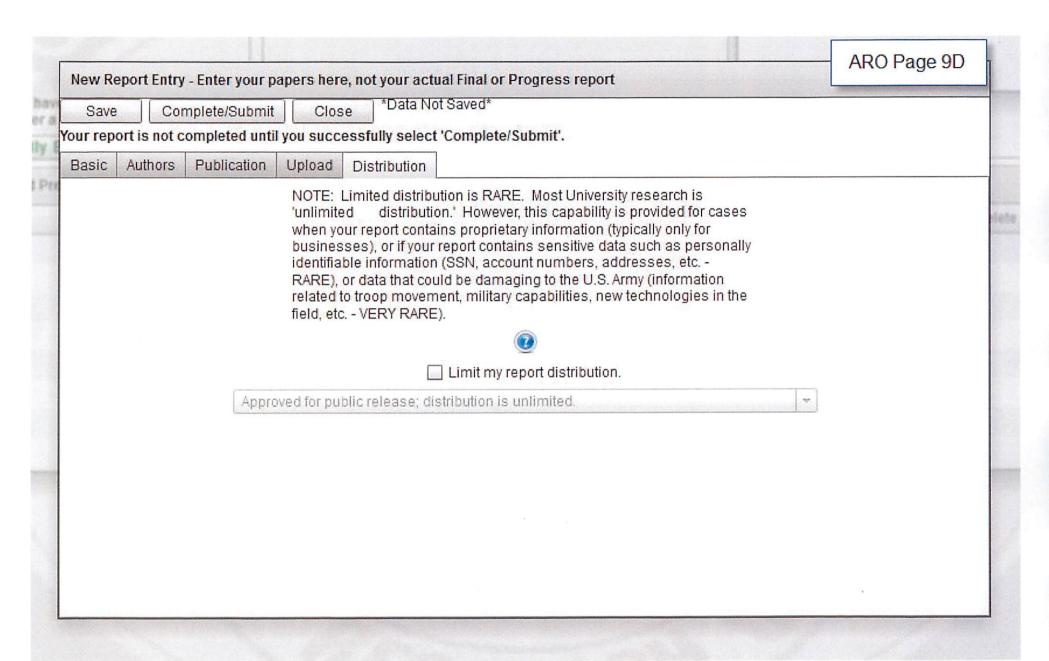
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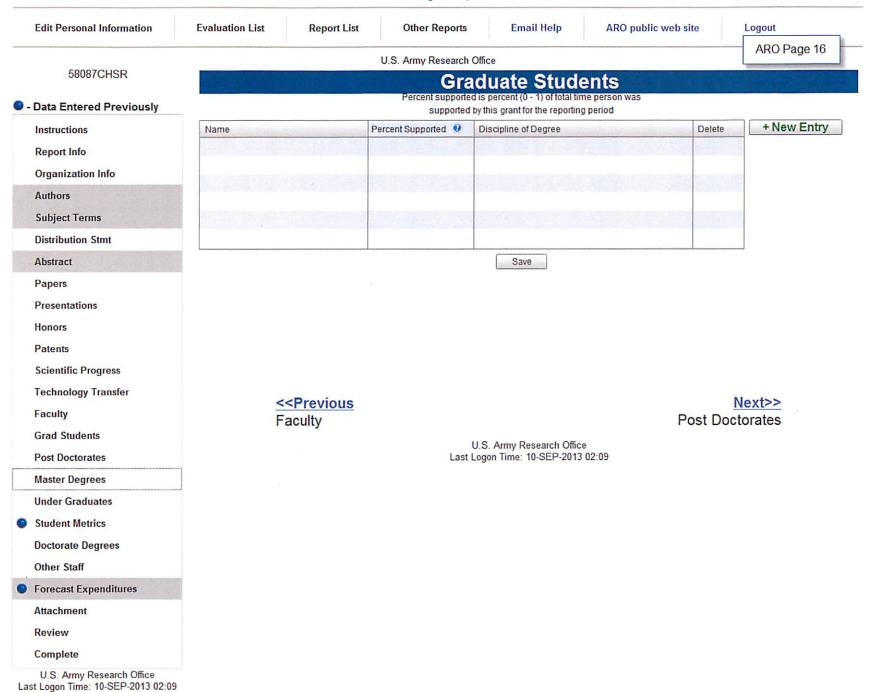


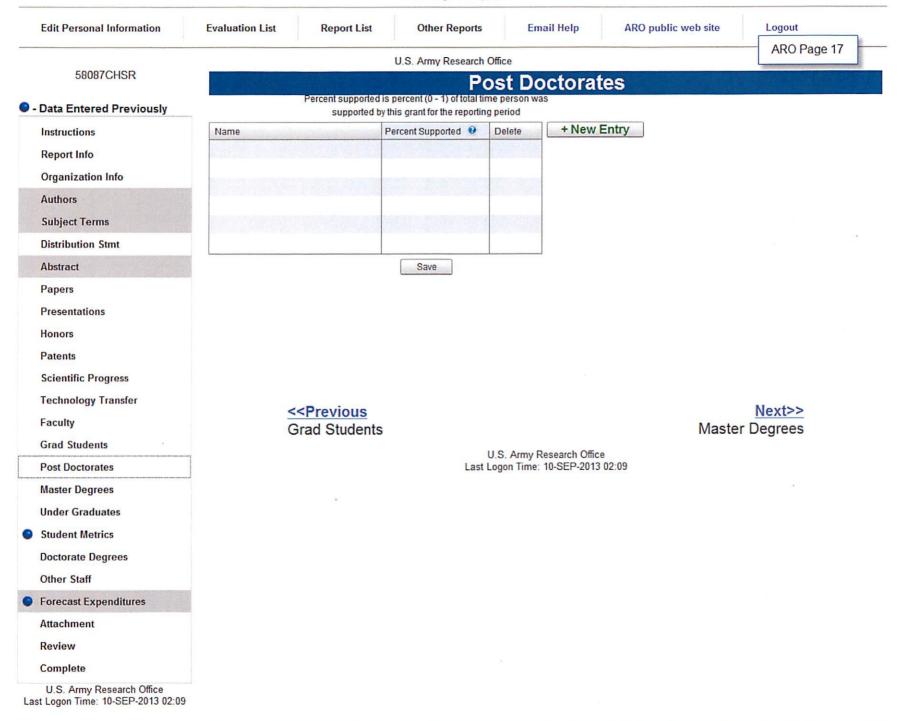
Other Reports **Edit Personal Information Evaluation List** Report List **Email Help** ARO public web site Logout ARO Page 14 U.S. Army Research Office 58087CHSR **Technology Transfer** Data Entered Previously Instructions Technology Transfer (any specific interactions or developments which would constitute technology transfer of the research results). Examples include interaction with other DOD scientists, interactions with industry, initiation of a start-up company Report Info based on research results or transfer of information which might impact the development of products. Plain Text Only - If you have diagrams, formula's, etc. in a Word, PDF or other document, enter "See Attachment" below and use the "Attachment" Organization Info section at the end of the menu for your document. Authors **Subject Terms** Distribution Stmt Abstract Papers Presentations Honors **Patents** Scientific Progress **Technology Transfer** Faculty **Grad Students Post Doctorates Master Degrees Under Graduates** << Previous Next>> Scientific Progress Faculty **Student Metrics Doctorate Degrees** U.S. Army Research Office Last Logon Time: 10-SEP-2013 02:09 Other Staff Forecast Expenditures Attachment

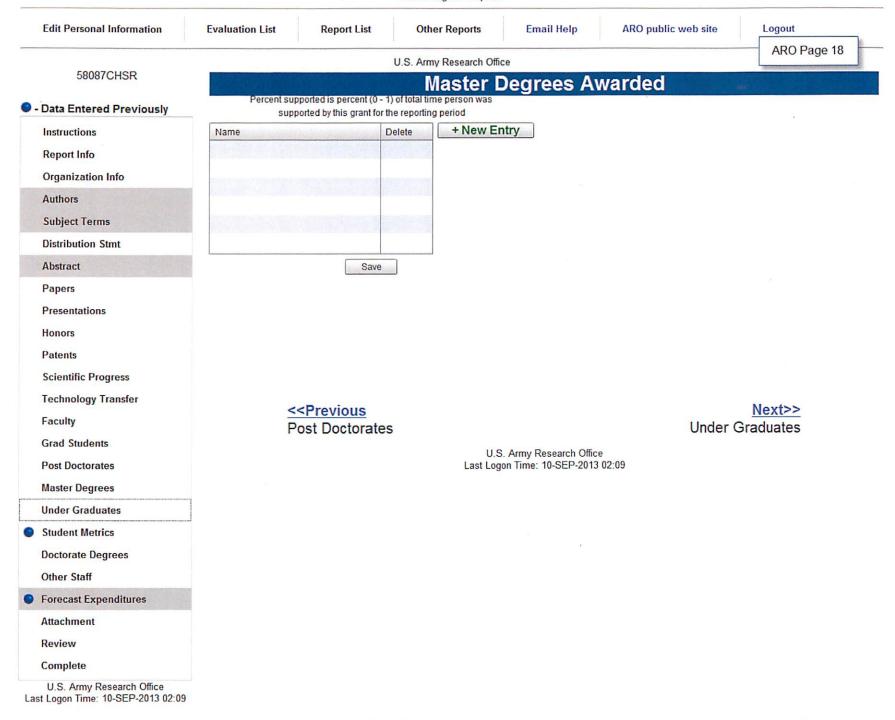
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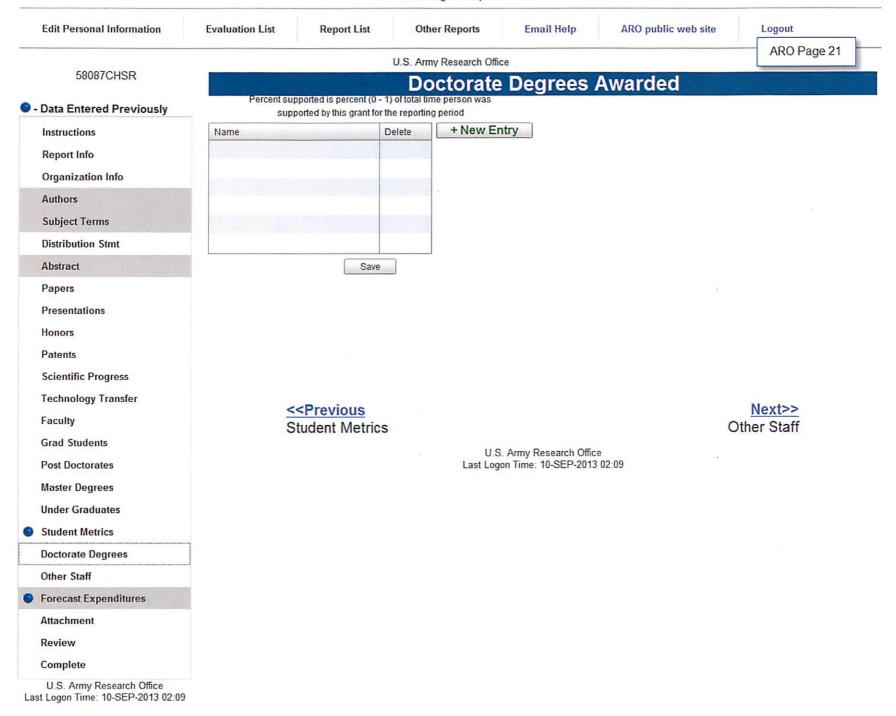
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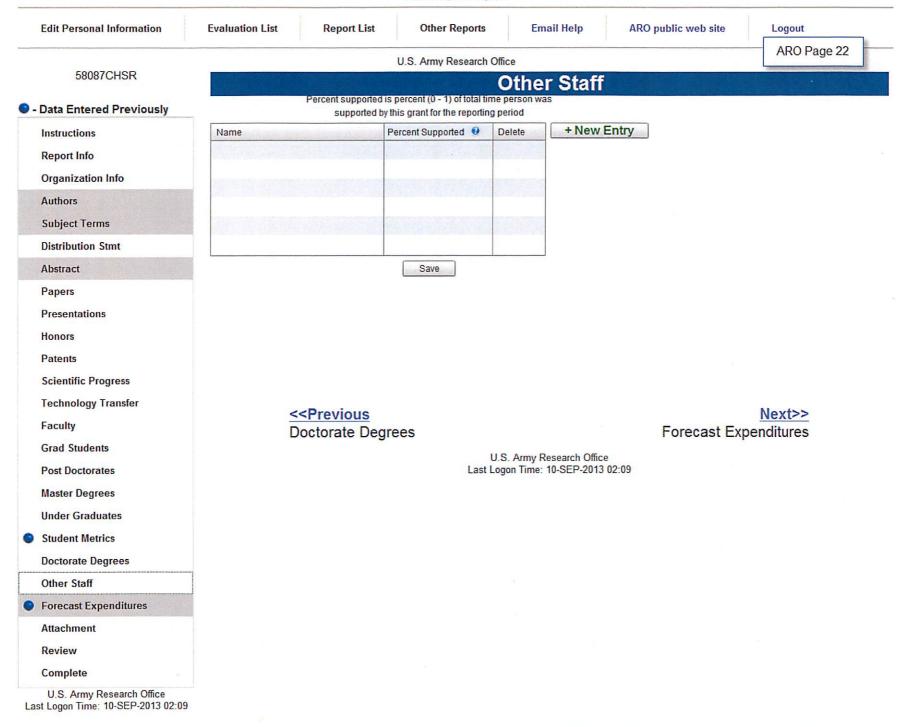
# **Student Metrics**

Number of graduating undergraduate students:	0
Number of undergraduate students graduating with degrees in science, mathematics, engineering, and technology fields:	0
Number of graduating undergraduates who will continue to pursue graduate degrees:	0
Number of graduating undergraduates who intend to work for the Defense Department:	0
Number of graduating undergraduates during this period who achieve a 3.5 to 4.0 GPA (Convert GPAs on any other scale to be an equivalent value on a 4.0 scale.):	0
Number of graduating undergraduates funded by a DoD funded Center of Excellence grant for Education, Research and Engineering:	0
The number of undergraduates funded by your agreement who graduated during this period and will receive scholarships or fellowships for further studies in science, mathematics, engineering or technology fields.:	0

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# REPORT DOCUMENTATION PAGE (SF298) (Continuation Sheet)

This is the entire list of papers submitted or published that cite ARO support from the beginning of the project to now.

#### Manuscripts submitted, but not published

Justin R. Kirschbrown, Brian P. Mehl, Ralph L. House, Michelle M. Gabriel, Joseph A. Puccio, James K. Parker, John M. Papanikolas. Characterizing electron-hole plasma dynamics at different points in individual ZnO rods, Journal of Physical Chemistry C (12 2011)

#### TOTAL: 1

Number of Presentations: 0

Presentations at conferences, but not published in conference proceedings

**Honors and Awards** 

Scientific progress and accomplishments (Description should include significant theoretical or experimental advances)

This accepts plain text only.

Number of Patents Disclosed: 0

List of patent titles disclosed

Number of Patents Awarded: 0

List of patent titles awarded:

Technology Transfer (any specific interactions or developments which would constitute technology transfer of the research results). Examples include interaction with other DOD scientists, interactions with industry, initiation of a start-up company based on research results or transfer of information which might impact the development of products.

**Graduate Students** 

Faculty

**Post Doctorates** 

Under Graduates

Other Research Staff

PHDs awarded

Masters Awarded

## Student Metrics

The number of undergraduates funded by your agreement who graduated during this period: 0

The number of undergraduates funded by your agreement who graduated during this period with a degree in science, mathematics, engineering, or technology fields: 0

The number of undergraduates funded by your agreement who graduated during this period and will continue to pursue a graduate or Ph.D. degree in science, mathematics, engineering, or technology fields: 0

The number of undergraduates funded by your agreement who graduated during this period and intend to work for the Department of Defense: 0

The number of undergraduates graduating during this period who achieved at least a 3.5 GPA based on a scale with a maximum of a 4.0 GPA: 0

The number of undergraduates working on your agreement who graduated during this period and were funded by a DOD Center of Excellence for Education, Research, and Engineering: 0

The number of undergraduates funded by your agreement who graduated during this period and will receive scholarships or fellowships for further studies in science, mathematics, engineering or technology fields: 0

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