



The Air Force Research Laboratory/
Dayton Area Graduate Studies Institute
Ohio Student-Faculty Graduate Fellowship

Graduate Student Application – 2013/2014



Applications will be accepted between December 15, 2013 and January 31, 2014. Please review all fellowship guidelines before completing the application.

Note: *Partially completed applications cannot be saved. Please plan accordingly.*

Please fill out the application electronically and print the completed form. If you need more space than provided on the form, type the information on separate sheets and attach them to your application. Put your name on any extra pages, and for reference indicate what section of the application you are addressing.

The completed Graduate Student Application form is a part of an application package consisting of:

- Graduate Student Application Form
- Official Transcript(s)
- Letters of Recommendation
- Faculty Application Form
- Research Proposal
- Budget Proposal Form
- Signature Form

The complete package, including all required forms and information, must be received by DAGSI no later than 5 p.m. EST January 31, 2014. No applications will be accepted after that date. Complete applications may be scanned and emailed to kelam@dagsi.org, faxed to 937-781-4005, or mailed or hand delivered to DAGSI at the address below:

DAGSI, 3155 Research Blvd, Kettering, OH 45420

This form is subject to the Privacy Act of 1974 (5 USC 552A).

I GENERAL INFORMATION (All general information fields are required)

First Name	David
Middle Name	John
Last Name	Neiferd
Permanent Address	8260 Pearson Road
City	Convoy
State	Ohio
Zip	45832
Country	United States
Mailing Address	8260 Pearson Road
City	Convoy
State	Ohio
Zip	45832
Email Address	neiferd.2@wright.edu
Date of Birth (mm/dd/yyyy)	01/18/1990
Home Phone Number	567-259-8578
Daytime Phone Number	567-259-8578
Citizenship (You must be a U.S. Citizen to apply)	United States of America
City, State and Country of Birth	Van Wert, Ohio, United States
Legal resident of what state?	Ohio

VOLUNTARY INFORMATION

The following information is provided voluntarily. It is used in various reports and surveys of state and federal governments and has no influence or bearing on the awarding of fellowships.

- Gender ☒ Male
☐ Female
- Marital Status ☒ Single
☐ Married
☐ Divorced
☐ Widowed
- Ethnic Background ☒ White Non-Hispanic
☐ Black or African-American
☐ Asian or Pacific Islander
☐ Hispanic or Latino
☐ American Indian or Alaskan Native
☐ Other

II PROGRAM INFORMATION

Which research topic are you proposing to pursue? Refer to the table of research topics on the DAGSI web site.

Title
Topic Number
AFRL Sponsor

Who is the faculty member who will work on this topic with you?

Name
Title/Academic Rank

What level of fellowship award are you applying for? (Should be consistent with your information in Section III.)

MS ☐ Ph.D. ☒

When do you anticipate spending the required research time at AFRL?

How do you anticipate using AFRL and/or university facilities and resources in support of your research? Include an estimate of any computer time required. Students should contact the AFRL topic sponsor(s) listed as well as their faculty partners to discuss the anticipated activities.

The proposed research work is computer based and our university and AFRL have sufficient hardware and simulation packages such as NASTRAN, ABAQUS, ASTROS and others available for the project.

III ACADEMIC BACKGROUND

Current Highest Technical Degree: ☐ BS Date awarded or expected (mm/yyyy)

☐ MS Date awarded or expected (mm/yyyy)

☒ Other (Explain): Graduating with B.S. in Mechanical Engineering 05/2014

Highest Degree You Anticipate Holding as of 8/1/2014? ☒ BS

☐ MS

Academic Program Enrollment as of Fall Term, 2014: ☐ MS

☒ Ph.D.

Grade Point Average: (Converted to 4.0 System, i.e., A=4.0; B=3.0; C=2.0; D=1.0; F=0.0)

BS

MS

Ph.D.

Colleges and Universities Attended

List in chronological order, beginning with the current or most recent college/university.

College/University	City/State	Inclusive Dates (mm/yyyy - mm/yyyy)	Major Field of Study	Degree Awarded or Expected	Date (mm/yyyy)
--------------------	------------	--	----------------------	-------------------------------	-------------------

Wright State University, Dayton/Ohio, 08/2010 - 01/2014, Mechanical Engineering, B.S. 05/2014

Rhodes State College, Lima/Ohio, 08/2008 - 05/2010, Business Administration & Management, A.A. 05/2010

List any fellowships or scholarships relevant to your field that you have been awarded.

List any significant academic honors or other recognition you have received since entering college/university.

Highest Honors Dean's List, Outstanding Business Management Graduate 2010, Presidential Scholarship Nominee

IV RESEARCH BACKGROUND

Provide a summary of your research experience. This might include research at the undergraduate level, through summer or part-time employment, or in work-study or internship programs. Describe your role in the research and what you learned from the experience. Cite any professional publications, posters, or presentations you have made or contributed to. If you have no direct research experience, please describe any activities you have undertaken that you think have prepared you sufficiently to undertake research through the AFRL/DAGSI program.

Development of Prototype Air Vehicles and Sensor Technologies for Air Sampling in Agricultural Applications

- Funded by Ohio Space Grant Consortium (OSGC)
- Partner in research.
- Poster presentation at OSGC Conference 2013
- Paper on research published in OSGC Student Journal 2013
- Presented poster and paper to National Conference on Undergraduate Research (NCUR) 2013

V EMPLOYMENT BACKGROUND

List in chronological order, starting with the most recent, all relevant work experience, including military service.

Employer	Location (City/State/Country if non-US)	Position	Inclusive Dates (mm/yyyy - mm/yyyy)	Full/Part Time
Joyce-Dayton Corp.,	Portland/Indiana,	Manufacturing Engineering Intern,	10/2012 - Present,	Part Time
AutoZone Inc.,	Van Wert/Ohio,	Parts Sales Manager,	10/2009 - 01/2014,	Part Time

VI REFERENCES

List the name, position, and contact information for: 1) the faculty member you will work with on the project; and 2) one other person who is able to provide feedback on your capability and potential for AFRL/DAGSI research. Each reference should provide a one-page signed letter of recommendation for the student. **If you are doing a Ph.D.-level project, the letter from your faculty co-researcher must include a statement addressing the level of assistance provided to you in preparing the proposal.**

- Faculty Partner

Name	Dr. Ramana V. Grandhi
Academic Rank/Title	Distinguished Professor, Director of Engineering Ph.D. Program
Mailing Address	Russ Engineering Center 210, 3640 Colonel Glenn Hwy
City	Dayton
State	Ohio
Zip	45435
Phone	9377755090
Email	ramana.grandhi@wright.edu

- Other Reference

Name	Dennis Hance
Academic Rank/Title	Lecturer, Assistant Director Lake Campus Engineering
Mailing Address	104T Lake Campus, 7600 Lake Campus Drive
City	Celina
State	Ohio
Zip	45822
Phone	4195860320
Email	dennis.hance@wright.edu

VII CERTIFICATION

I certify that to the best of my knowledge the preceding information and all attachments provided herewith are true and accurate. I understand that any misrepresentation of facts on this application will invalidate this application and cause me to be ineligible for an AFRL/DAGSI research fellowship.

SIGNATURE David J. Neiferd

DATE 01-27-2014