

College of
Engineering
& APPLIED SCIENCE

**Major Graduate Student Fellowship
Opportunities
Fall 2012**

Jeff Sczechowski

NSF Graduate Research Fellowships

- 3 years
 - \$32K/year Stipend
 - \$12K/year educational allowance
- Engineering, CISE, STEM Education, Interdisciplinary, plus most other science disciplines at NSF
- US citizen/national/permanent resident
 - Entering or early stages of grad school
- **Deadline:** November 13, 2012 for Engineering; Computer and Information Sciences and Engineering;
- **Websites:**
 - www.nsf.gov/grfp
 - www.nsfgrfp.org

DOD: NATIONAL DEFENSE SCIENCE AND ENGINEERING GRADUATE (NDSEG) FELLOWSHIP

- 3 Years: full tuition & fees, monthly stipend, up to \$1000 medical insurance per year
 - Stipend about \$31K/year
- Sponsored by AFOSR, ARO, ONR, DDR&E, HPCM
- 15 Engineering Disciplines
- US Citizens and Nationals
- Deadline: December 14, 2012
- Site: <http://ndseg.asee.org/>

DoD: The Science, Mathematics And Research for Transformation (SMART) Scholarship for Service Program

- 1 to 5 years
 - \$25K to \$38K total stipend
 - Full tuition and education fees (not food or housing, etc.)
 - \$1000/year books, \$1200/year health insurance
 - Paid summer internships
- Science, Technology, Engineering, and Mathematics (STEM) Degrees
- Eligibility:
 - US citizen at time of application
 - Must be able to participate in summer internships at DoD labs
 - Willing to accept DoD position upon graduation

Deadline: December 14, 2012

Website: <http://smart.asee.org/>

Naval Research Enterprise Intern Program (NREIP)

- 10 weeks
 - \$7,880-undergraduate
 - \$10,500-graduate
 - Health insurance
- US citizen/dual citizens may be accepted at some labs, but not all
 - Seniors; Junior, Senior, or Graduate students
- Deadline: January 7, 2013
 - Future deadline has not been listed
- Website: <http://nreip.asee.org/>

DOE Computational Science Graduate Fellowship

- 3 or possibly 4 years
 - \$36K/year Stipend
 - Full Tuition and Fees
 - \$5K allowance in Year 1, \$1K/year after that
- Most science and engineering fields with computational projects
- US Citizens or permanent residents
- Deadline: January 8, 2013
 - Online application open in mid-October
- <http://www.krellinst.org/csgf/>

DOE National Nuclear Security Administration Stewardship Science Graduate Fellowship (DOE NNSA SSGF)

- Up to 4 years (renewed each year)
 - \$36K/yr Stipend
 - Full tuition
 - \$1K academic allowance
 - 12 week practicum at DOE lab
- Areas of study related to high energy density physics, nuclear science and materials under extreme conditions and hydrodynamics
- US Citizen or permanent resident
 - Seniors, 1st and 2nd year grad students
- Deadline: January 16, 2013
 - Online application open in mid-October
- Website: <http://www.krellinst.org/ssgf/>

DOE Office of Science Graduate Fellowship Program

- 3 years
 - \$35K/year Stipend
 - \$10.5K/year Tuition
 - Additional research stipend \$5K/year
 - Travel, supplies, books, computers, etc.
- Science and Engineering fields
- US Citizens
- Deadline: January 4, 2012.
 - The future of the program is unclear.
- Site: <http://scgf.orau.gov/index.html>

DOE Graduate Research Environmental Fellowships (GREF)

- Up to 3 years (renewable annually)
 - \$19,200 annual stipend
 - Physics, Biology, Chemistry, Mathematics, Engineering, Computational Sciences, and Environmental Sciences
- US Citizens
- Deadline: December 31, 2012
 - Applications available the 1st Monday in October
- Site:
<http://www.atmos.anl.gov/gcep/GREF/index.html>

NASA Space Technology Research Fellowships (NSTRF)

- 1 year, but renewable (MS: +1 yr, PhD: +3 yrs)
 - \$30/yr to \$36K/yr Stipend
 - Tuition and Fees: \$10K/yr
 - Faculty Advisor Allowance: \$9K/yr
 - NASA-site Lab Allowance: \$10K/yr
 - Health Insurance Allowance: \$1K/yr
- Space technology
- US Citizens and permanent residents
 - Already admitted to, or enrolled in grad school
- Deadline: 4 December 2012
- Website:
 - <http://www.nasa.gov/offices/oct/stp/strg/nstrf13.html>
 - <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&soId=%7b67565659-36F8-8888-A19E-6DC271DA6ED5%7d&path=open>

NASA GRADUATE STUDENT RESEARCHERS PROGRAM (GSRP)

- 1 year renewable: +1 yr for MS, +2 yrs for PhD
 - \$20K/yr stipend
 - \$6K/yr Student Allowance
 - \$1K/yr Health Insurance
 - \$3K/yr University Allowance (to faculty advisor)
- Graduate study leading to MS and PhD degrees in the fields of physical sciences, mathematics, and engineering related to NASA research and development
- US Citizens only
 - As seniors or 1st or 2nd year grad students
 - Must have a faculty advisor lined up
- Deadline: 01 February 2012 (last deadline)
 - Future deadline has not yet been listed.
- Website: <http://fellowships.hq.nasa.gov/gsrp/nav/>

NASA Aeronautics Scholarship Program

- 2-5 years
 - \$35K/yr stipend
 - \$11K/year allowance to school (tuition)
 - 2 Summer Internships at NASA (\$10K each)
- Highly motivated undergraduate and graduate students to aeronautics and related fields (includes all engineering)
- US citizens and US Nationals
 - Seniors and early grad students
- Deadline: January 16, 2013
- Website: http://nasa.asee.org/graduate_program

NASA: EARTH SYSTEM SCIENCE FELLOWSHIP PROGRAM

(NOT SURE OF STATUS FOR 2012-2013)

- 1 year with up to 2 years of renewal
 - Up to \$30K/yr stipend
 - \$3K/year university allowance
- MS and PhD in Earth and space sciences, or related disciplines
- US Citizens and Permanent Residents
 - Seniors & Grad Students (at any point)
- Deadline: 1 Feb 2013 (anticipated)
- Website:
<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={1DC0EDEE-32A0-0EAE-ED78-B1F6B624B473}&path=open>

NASA: Harriett Jenkins Fellowship Program

- Up to 3 years
 - Up to \$24K/yr stipend for PhD; \$18K for MS
 - \$8.5K for tuition
 - \$8K for 10 week internship
- Majoring in a Science, Technology, Engineering or Math (STEM) discipline
- US Citizens and Nationals only
 - Seniors, MS and PhD (first 3 years)
 - Underrepresented group (women, ethnic minorities and persons with disabilities)
- Deadline: 1 Feb 2012 and 1 May 2012 (last deadlines)
- Website:
<http://www.uncfsp.org/spknowledge/default.aspx?page=program.view&areaid=1&contentid=177&typeid=jpfp>

EPA STAR Fellowships

- 3 years
 - \$25K/yr Stipend
 - \$12K Tuition
 - \$5K extra
- Environmental Science and Engineering
- US Citizens & Nationals, Permanent Residents
- Deadline: November 27, 2012
- Site: <http://www.epa.gov/ncer/fellow/>

NIH:



Ruth L. Kirschstein National Research Service Awards

- **2 Awards for PhD Students:**
 - Individual Predoctoral Fellows (Parent F31) (PA-11-111)
 - Individual Predoctoral Fellows Fellowships to Promote Diversity in Health-Related Research (Parent F31 - Diversity) (PA-11-112)
- 2 to 3 years
 - \$22k/yr Stipend
 - \$16K/yr Tuition
 - \$4.2K/year Expenses
 - \$4.2K/year University Allowance
- Support for promising doctoral candidates who will be performing dissertation research and training in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers
- US Citizens, Nationals and Permanent Residents
- Deadlines: Due in three annual cycles:
 - Parent F31: January 25, May 25, September 25
 - Parent F31 Diversity: April 8, August 8, December 8
- Check the NIH website:
 - http://grants.nih.gov/training/F_files_nrsa.htm
 - <http://grants.nih.gov/training/extramural.htm>
 - Also see: http://grants2.nih.gov/training/T_Table.htm for research training grants

The Symantec Research Labs Graduate Fellowship

- Up to 2 years (renewed after 1st year)
 - 100% Tuition + Stipend
 - Total package about \$25K/year
- To fund innovative research that has real-world value, in areas of Symantec's business interests in information security, availability, and integrity.
- No citizenship requirements
 - Seniors, grad students
 - ...desire to work in an industrial research lab and those working on research projects likely to have real-world practical value to customers
- Deadline: January 7, 2013
- Website: <http://www.symantec.com/about/careers/college/fellowship.jsp>

AAUW: Selected Professions Fellowships

- 1 year
 - \$5K to \$18K
- For women who intend to pursue a full-time course of study in one of the designated degree programs where women's participation traditionally has been low:
 - Architecture (M.Arch, M.S.Arch)
 - Computer/Information Sciences (M.S.)
 - Engineering (M.E., M.S.)
 - Mathematics/Statistics (M.S.)
- Female U.S. citizens or permanent residents.
- Deadline: January 10, 2013
- Website: http://www.aauw.org/learn/fellowships_grants/selected.cfm

AT&T Labs Fellowship Program (ALFP)

- 3 years
 - \$2380/month, paid for 10 months each year
 - \$500 book allowance
 - Tuition, books, fees, approved travel
- PhD studies in computing, math, EE, communications-related fields
- Women & Underrepresented Minorities only
 - US Citizens and Permanent Residents
- Deadline: January 15, 2013
- Website:
http://www.research.att.com/evergreen/working_with_us/internships.html

National Consortium for Graduate Degrees for Minorities in Engineering and Science (GEM)

- 1 year
 - \$16,000 stipend in year 1 of the PhD program
 - Tuition
 - Paid summer internship
- PhD study in Engineering (MS version too)
- Underrepresented minorities
 - US Citizenship and permanent residents
- Deadline: 15 November every year
- Website: <http://www.gemfellowship.org/gem-fellowship>

National Physical Science Consortium Graduate Fellowships in the Physical Sciences

- 2 to 3 years (or up to 6 depending on lab employer)
 - \$20k/yr stipend
 - Tuition
 - 2 summer internships
- Partnership between government agencies and laboratories, industry (“employers”), and higher education
- US Citizens
 - Primarily women and underrepresented minorities
 - MS and PhD
- Deadline: 30 November annually
- Website: <http://www.npsc.org/index.html>

Ford Foundation Fellowships

- 3 years for Pre-doctoral Fellow, 1 year for Dissertation Fellow
 - \$20K/year stipend
 - \$2K allowance to institution
- Minority students who:
 - Have superior academic achievement,
 - Are committed to a career in teaching and research at the university level
 - Are in any Engineering field
- US Citizens or Nationals
- Deadline: November 14, 2012
- Website:
<http://sites.nationalacademies.org/PGA/FordFellowships/index.htm>

National Water Research Institute Fellowships

- Usually 2 years
 - Up to \$15K/yr (usually \$10K/year)
- MS or PhDs researching water
- No citizenship requirements
- Deadline: 25 April 2012 (past deadline)
 - Announcements should be available in September 2012
- Website: <http://www.nwri-usa.org/fellowship.htm>

IBM Ph.D. Fellowship Awards Program

- 1 year
 - \$17.5K
 - Tuition & fees
 - Laptop
- Exceptional PhD students with interest in areas including business, science and related technical fields such as autonomic computing, nanotechnology.
- Must be nominated by advisor
 - No citizenship requirements
- Deadline: October 30, 2012 (anticipated)
- Website:
<https://www.ibm.com/developerworks/university/phdfellowship/>

The Chateaubriand Fellowship

- 4 to 10 months
 - 1400€/month
 - Travel support
 - Health insurance
- To allow American students to benefit from experience in top French labs
 - Must have sponsorship by French lab
 - Not required to speak French
- Doesn't state outright that US citizenship is required but since this is to improve US/French collaborations, US citizenship is probably required
 - Must be PhD student
- Deadline: February 1, 2013
 - Announcement should be available in mid-October/November
- Website: http://www.france-science.org/chateaubriand3/chateaubriand_fellow-intro.php

Hydro Research Foundation: Hydro Fellowships

- \$26K/year stipend
- Up to \$16K tuition
 - 2 years MS or PhD
- Wide-range of Hydropower research topics
- Deadline: 1 March 2012 (past deadline)
 - Future deadline not yet listed
- Website:
<http://www.hydrofoundation.org/fellowshipInfo.html>

Ewing Marion Kauffman Foundation

- 1 year
 - \$20K/yr (15 awards total each year)
- PhD, DBA, or other doctoral students for the support of dissertations in the area of entrepreneurship
- Students pursuing doctoral degrees from accredited US institutions of higher education are eligible
- Deadline: 19 September 2012
- Website: <http://www.kauffman.org/research-and-policy/kauffman-dissertation-fellowship-program.aspx>

Google Anita Borg Scholarship

- 1 year
 - \$10,000
- Computer Science, Computer Engineering, or closely related technical field majors
- Female student entering senior year of undergraduate study or enrolled in graduate program
- Us Citizens, permanent residents, and international students
- Deadline: 1 February 2012 (last deadline)
 - Future deadline listed as “February 2013”
- Website: <http://www.google.com/anitaborg/us/>

Amelia Earhart Fellowships

- 1 year
 - \$10K/year (tuition, books & fees), or living expenses
- Aerospace-related science/engineering
- Female Full-time PhD candidate
- Deadline: November 15, 2012
- Website:
<http://www.zonta.org/WhatWeDo/InternationalPrograms/AmeliaEarhartFellowship.aspx>