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/](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/](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

  - 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
DOE: Rickover Fellowship Program in Nuclear Engineering

• Up to 4 years
  – $31,200/year
  – $650/month allocation during two required 3 month practica
  – Tuition is paid to the university
  – Travel when approved is permitted
  – Topics: reactor physics, nuclear materials science and engineering, radiation shielding technology, thermal hydraulics, and computational fluid dynamics

• US citizens only (must qualify for security clearance)
• Deadline: 31 January 2013
• http://scuref.org/rfp-overview
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:
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

• 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
• Website: [http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={BC1C168E-1D9B-0BD1-816B-14E1C31BB0D3}&path=open](http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={BC1C168E-1D9B-0BD1-816B-14E1C31BB0D3}&path=open)
• Note: renewal deadline for current fellows is 15 March 2013
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_n rsa.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](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](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](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)
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
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](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
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](http://www.zonta.org/WhatWeDo/InternationalPrograms/AmeliaEarhartFellowship.aspx)