Funding Opportunities at NSF for Proposals on Low Carbon Footprint Supply Chain

Bruce Hamilton
NSF/ENG Program Director
Environmental Sustainability
Selected Menu of NSF Funding Opportunities for Low Carbon Footprint Supply Chain

- CBET/ENG Environmental Sustainability Program
- CMMI/ENG Service Enterprise Systems Program
- ENG IDR Opportunity
- CDI Solicitation
- IGERT Solicitation
- PIRE Solicitation
- SEES Opportunity
- SBIR Solicitation
- EFRI Topic Opportunity
Web Info on All the Listed NSF Funding Opportunities

www.nsf.gov
Eligibility for NSF Funding

Typically, NSF research funding is limited to U.S.-based researchers and their students

(Partnerships with foreign-based researchers are encouraged, with the expectation that the foreign partners will be funded by their own countries or otherwise)
Environmental Sustainability Program

- **Program Scope**: directly related to Low C
- **Proposal Types**: unsolicited and CAREER
- **Next Deadline (unsolicited)**: March 3
- **Grant Size (unsolicited)**: up to a total $300K for up to 3 years
- **Program Director**: Bruce Hamilton
  bhamilto@nsf.gov
Service Enterprise Systems Program

- **Program Scope**: includes Low C; funding this workshop
- **Proposal Types**: unsolicited and CAREER
- **Next Deadline** (unsolicited): February 15
- **Grant Size** (unsolicited): up to a total of about $300K for up to 3 years
- **Program Director**: Russell Barton
  rbarton@nsf.gov
ENG Interdisciplinary Research (IDR) Opportunity

- **Program Scope**: all engineering and beyond
- **Proposal Type**: unsolicited
- **Next Deadline**: Feb. 15 (CMMI); Mar 3 (CBET)
- **Grant Size**: typically $600K, perhaps as large as $1 million over 3 years
- **Special Requirements**: involvement of two divisions (e.g., CMMI & CBET); PI must be in an engineering department
- **Program Director**: Bruce Hamilton or others
  bhamilto@nsf.gov
Cyber-enabled Discovery and Innovation (CDI)

- **Program Scope**: NSF wide, computationally-driven
- **Proposal Type**: solicited
- **Next Deadline**: probably in January, watch for posting
- **Grant Size**: Type I typically $500K (3 years), Type II perhaps $2 million (4 years)
- **Program Director**: Bruce Hamilton or others
  bhamilto@nsf.gov
Integrative Graduate Education and Research Traineeship Program (IGERT)

- **Program Scope**: NSF wide, focused on graduate student education and research in any STEM area
- **Proposal Type**: solicited
- **Next Deadline**: probably sometime next year, watch for posting
- **Grant Size**: typically $3 million over 5 years
- **Special Feature**: almost all funds are for support of graduate students
- **Program Director**: Carol Van Hartesveldt
cvanhart@nsf.gov
Partnerships in International Research and Education (PIRE)

- **Program Scope**: NSF wide, any STEM area, must have foreign partner
- **Proposal Type**: solicited
- **Next Deadline**: probably sometime next year, watch for posting
- **Grant Size**: typically $3 million over 5 years, can be more or less
- **Special Feature**: typically, no NSF funds go to the foreign partner
- **Program Director**: Elizabeth Lyons
  
PIRE-info@nsf.gov
Science, Engineering, and Education for Sustainability (SEES)

- **Program Scope**: NSF wide, sustainability areas, “next big thing” for NSF
- **Proposal Type**: new for all NSF, to be posted. Publicly announced initially to “think RCNs.”
- **Next Deadline**: probably sometime next year, watch for posting
- **Grant Size**: RCNs are for up to $750K over 5 years. RCNs would be only a first step for SEES, later steps would be very much larger.
- **Program Director**: Bruce Hamilton  
  bhamilto@nsf.gov
Small Business Innovation Research (SBIR/STTR)

- **Program Scope**: for U.S. for-profit small businesses, all STEM areas
- **Proposal Type**: solicited
- **Next Deadline**: December 3
- **Grant Size**: Phase I up to $150K for 6 months. Phase II larger, but must first have a Phase I grant
- **Special Features**: STTR must partner with a university, SBIR can also
- **Program Director**: Cheryl Albus
calbus@nsf.gov
ENG EFRI Topic Opportunity

- **Program Scope**
  - EFRI = Emerging Frontiers in Research and Innovation
  - Two new topics each year, emerging from engineering research community input

- **Proposal Type**: solicited
- **Next Deadline**: one-page topic nominations will probably be due about September
- **Grant Size**: typically $2 million
- **Program Director**: Bruce Hamilton
  bhamilto@sf.gov
Funding Opportunities at NSF

QUESTIONS???

Bruce Hamilton
bhamilto@sf.gov