COMPUTER AND INFORMATION SCIENCE AND ENGINEERING (CISE) RESEARCH INITIATION INITIATIVE (CRII)
OUTLINE

• Goals of the program
• Eligibility
• Areas of interest
• Submission process
• Review process
• Questions
• Program Director contacts
STEP 1

• READ THE SOLICITATION
PROGRAM GOALS

• Encouraging research independence immediately upon obtaining one's first academic position
• Undertake exploratory investigations
• Acquire and test preliminary data
• Develop collaborations within or across research disciplines
• Develop new algorithms, approaches, and system designs/prototypes

**This program is not appropriate for PIs who already have access to resources to conduct any early-career research**
PROGRAM ELIGIBILITY

• 1. Hold a primary appointment (or if applying to the CISE Office of Advanced Cyberinfrastructure, hold a full- or part-time appointment) in computer and/or information science and/or engineering, or in a related field of computational or data science (where the PI would normally submit proposals to CISE programs).

• Be untenured and;

• Be in the first three years of a tenure-track or research science or education position (or equivalent). The number of years includes any academic position held post-PhD, exclusive of postdoctoral appointments.
  • Only official leaves of absence (for illness, family, etc.) may be subtracted from the total time in the position, as certified by the PI's department chair/head in the required letter, to be included in the Supplementary Documents section of the proposal.
At the time of the award, the PI may not have received any other grants in the PI role from any institution or agency.

Following do NOT disqualify:

- Award as a co-PI or Senior Personnel on another grant;
- Workshop or student conference travel awards;
- Doctoral dissertation improvement grants;
- Post doctoral research fellowship awards, such as SEES Fellows or CI Fellows;
- A Graduate Research Fellowship or similar fellowship award from NSF;
- REU or RET awards;
- SBIR or STTR awards that were received while the PI worked in industry;
- Awards from PI’s university;
- Awards from companies or private foundations.
AREAS OF INTEREST

- Anything that fits within any of the NSF CISE research programs:
  - Advanced Cyberinfrastructure (OAC)
  - Algorithmic Foundations (AF)
  - Communications and Information Foundations (CIF)
  - Software and Hardware Foundations (SHF)
  - Foundations of Emerging Technologies (FET)
  - Computer Systems Research (CSR)
  - Networking Technology and Systems (NeTS)
  - Information Integration and Informatics (III)
  - Cyber-Human Systems (CHS)
  - Robust Intelligence (RI)
  - Computer Science for All: Researcher-Practitioner Partnerships (CSforAll:RPP)
  - Cyber-Physical Systems (CPS)
  - Secure and Trustworthy Cyberspace (SaTC)
  - Smart and Connected Health (SCH)
- Program sites have more information on topics for each program
STEP 2

• READ THE SOLICITATION
SUBMISSION DETAILS

- Project summary plus **10 pages** of project description; see Proposal and Award Policies and Procedures Guide (PAPPG) for standard NSF font & margin limits.
  - The Project Description **must justify** how the proposal helps obtain essential resources that the PI otherwise lacks to initiate the PI’s research career, and not just for this project.
  - The department chair letter must attest to the validity of this text.

- Proposals (< $175,000 for **exactly** 2 years – no more, no less)
  - Must include a minimum .5 months salary for PI per year
  - No co-PIs or other senior personnel permitted
  - Postdocs are allowed

- Submission deadline: **August 14, 2019**

- Limit of **1 proposal per PI**
  - **Note:** this limit is **distinct** from the PI limit in any other NSF solicitation

- No classified proposals will be accepted
• Data Management Plan

• Postdoc Mentoring Plan

• Department Chair/Head Letter (required): A letter from the PI’s department chair/head must be submitted as a Supplementary Document, with two sections as described below.
  - The first section must certify that the PI meets the eligibility criteria, including that, as of the CRII submission deadline, he or she is (a) in the first three years of a tenure-track or research science or education position (or equivalent) (b) untenured and (c) no more than five years since being granted a PhD. Only official leaves of absence (for illness, family, etc.) may be subtracted from the total time in the position or from the total time since being granted a PhD, as certified by the PI’s department chair/head in this required letter.
  - The second section must provide a justification of how the proposal meets the goals of the program by attesting to and verifying the statements made by the PI in the section “Justification for Funding Request” in the Project Description
BUDGET DETAILS

• Up to $175,000 / 2 years
• Eligible for Research Experience for Undergraduates (REU) supplements
• Funding for students, equipment, travel
• Minimum of .5 months of support for the PI per year
• Most of the funds should go toward student(s)
  • Must include at least one full-time graduate student (except for RUI institutions, where at least two part-time undergraduate students must be included) for each year of the award. Students may receive summer and/or academic year support
  • May be used toward postdoctoral scholars, travel, and/or research equipment.
• Need for funds *must* be justified
PROPOSAL REVIEW PROCESS

• Proposals will be reviewed through standard NSF merit review process including **Intellectual Merit** and **Broader Impact** criteria

• Factors to be considered:
  
  • Relevance to one or more CISE programs
  
  • Appropriateness to 2-year timeline
  
  • Potential of activities to produce sufficient preliminary results to serve as the basis for future competitive research proposals (e.g., CAREER)
  
  • Whether the activities are necessary and critical steps for the PI to achieve research independence
STEP 3

• READ THE SOLICITATION
TAKEAWAYS

• CRII is for new faculty members to initiate independent research through funding students, equipment, and travel

• Proposals due August 14, 2019

• READ THE SOLICITATION
  • Follow font and margin requirements
  • Follow title guidelines
  • Make certain all the required sections are easily identifiable

• Contact an NSF program officer with questions!
The telephone line is now open
Thank You

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The presentation, audio and transcript can be found under Public Attachments at:
https://www.nsf.gov/events/event_summ.jsp?cntn_id=298656&org=CISE