

NSF Webinar on NSF Solicitation 19-579

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

NATIONAL SCIENCE FOUNDATION

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12 JUNE 2019

OUTLINE

- Goals of the program
- Eligibility
- Areas of interest
- Submission process
- Review process
- Questions
- Program Director contacts

STEP 1

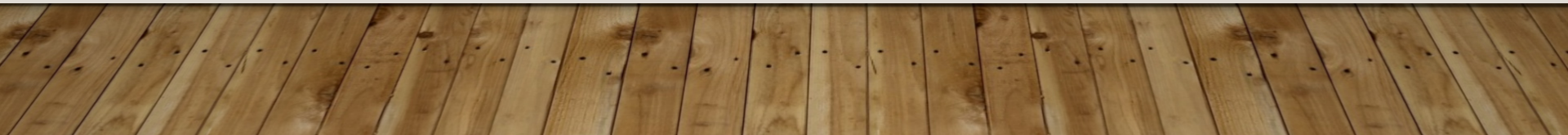


- READ THE
SOLICITATION

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.

PROGRAM ELIGIBILITY (CONT)

- **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**

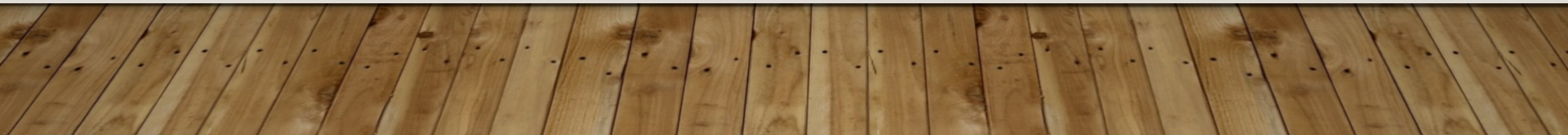
STEP 2



- READ THE
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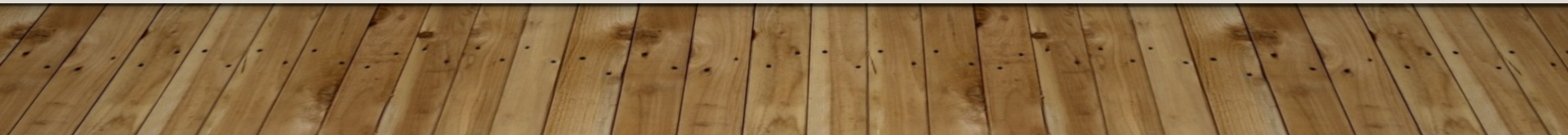
SUBMISSION DETAILS

- 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



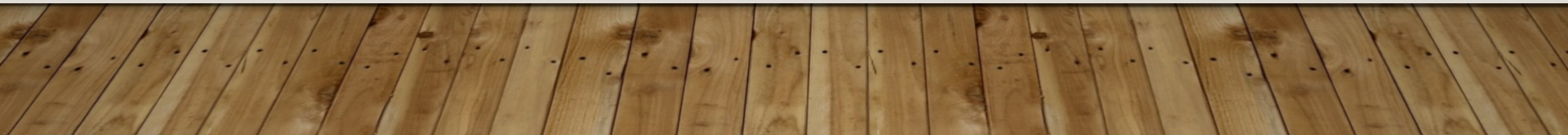
SUBMISSION DETAILS (CONT)

- 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**



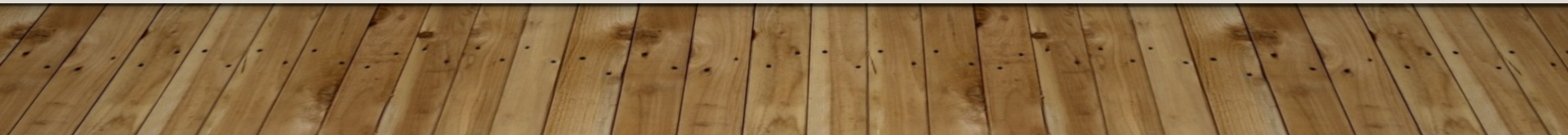
BUDGET DETAILS

- 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



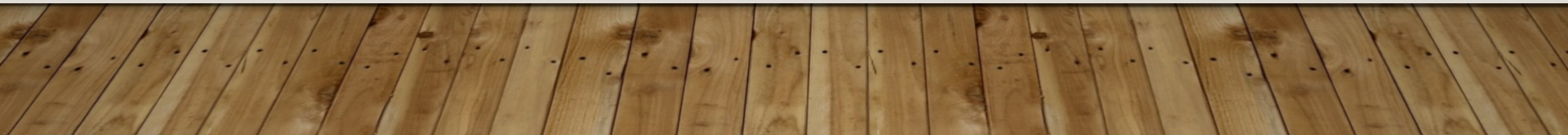
STEP 3



- READ THE SOLICITATION

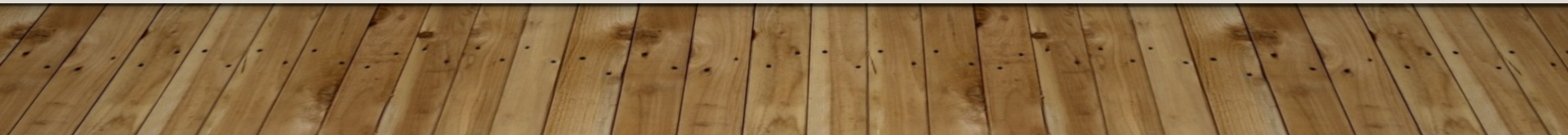
TAKEAWAYS

- 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!



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