2021 CISE
BROADENING PARTICIPATION IN COMPUTING (BPC) SOLICITATION WEBINAR

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MOTIVATION:
TO INCREASE NUMBER AND DIVERSITY OF DOMESTIC STUDENTS RECEIVING POST-SECONDARY DEGREES IN COMPUTING

Groups who are underrepresentation in CISE:
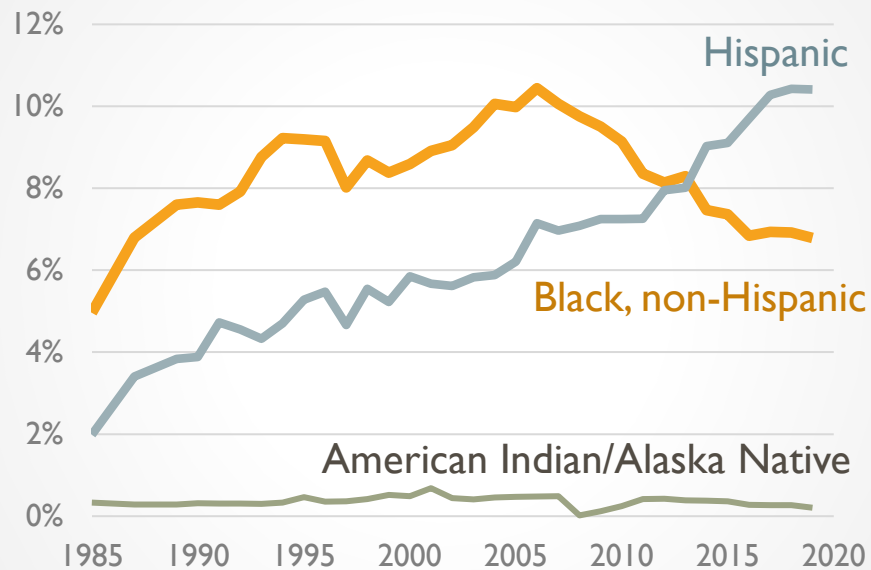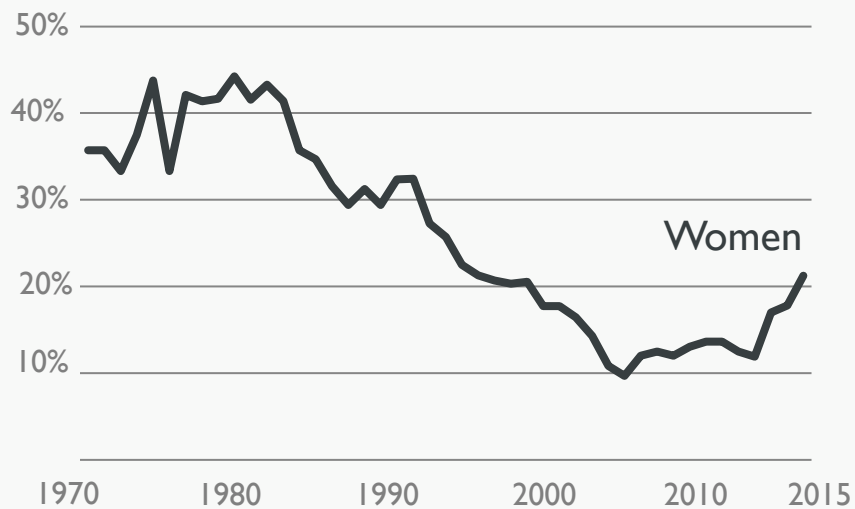
Women

Blacks and African Americans

Hispanics

American Indians and Alaska Natives

Native Hawaiians and Pacific Islanders

Persons with disabilities

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Percent of CISE majors

OVERALL GOAL OF THE BPC PROGRAM

- Develop, implement and evaluate innovative models, frameworks, and strategies for the inclusion of groups that are underrepresented from K-12 through the computing workforce

  - Transformational efforts

  - Inclusive organizational structures and practices

ALL BPC PROPOSALS SHOULD HAVE POTENTIAL FOR NATIONAL IMPACT

- Develop an effective practice that could be widely deployed

- Deploy existing effective practices to reach larger audiences

- Activities should have significant impact both in the **quality** of opportunities afforded to participants and in the number of participants potentially served

- Focus is on the implementation of programs, but BPC projects may include complementary, focused research

OVERVIEW OF FUNDING CATEGORIES

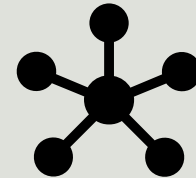|	Max amount	Duration
New Alliances	$750K/year	Up to 3 years
Alliance Extensions	$1.2M/year	Up to 5 years
Demonstration Projects	$300K total	Up to 2 years
Supplements	< 20% of original award amount; < $200,000 total	Duration of existing CISE research award

ALLIANCES

COLLECTIVELY, ALLIANCES SERVE AS:

Testbeds:
Develop, deploy, and evaluate interventions

National Resources:
Collect, vet, and disseminate best and promising practices

A locus:
Serve academic computing community as network of peer alliances

KEY COMPONENTS OF ALLIANCE PROPOSALS

Project Goals & Outcomes

- Clearly demonstrate successful recruitment and retention strategies

Implementation Plan

- Potential for alignment with existing activities
- Describe creative, strategic actions for broadening participation
- Strong research base
- Dissemination plan

KEY COMPONENTS OF ALLIANCE PROPOSALS

Partnership Plan

- Evidence of collaboration, commitment to goals, experience in addressing underrepresentation, and commitment to sustainability

Evaluation Plan

- Describe instruments/metrics that will guide the project's progress and impact

KEY COMPONENTS OF ALLIANCE PROPOSALS

Sustainability Plan

- Mechanisms to further work through collaborations or outside funders

Management Plan

- Details the organizational structures, mechanisms for communication, and responsibilities of PIs, co-PIs, and Senior Personnel.

EXISTING ALLIANCES

ADDITIONAL REQUIREMENTS FOR ALLIANCE EXTENSIONS

Project Goals and Outcomes

- Extent of alliance, scope, degree of impact and effectiveness

- Collaborations, alliance partnerships, outside financial support

- Contributions to larger BP community

- Stability of infrastructure/ organizational structure

DEMONSTRATION PROJECTS

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- Pilots of small-scale interventions to BPC

  - Could grow into an alliance or be incorporated in an alliance

  - Not for travel grants or fellowship programs

- Project goals and outcomes, Implementation plan, and Evaluation Plan

- Contribute **evidence-based** findings to the body of knowledge on teaching diverse student populations

SUPPLEMENTS

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- Only for existing BPC plans as part of a CISE Core Medium or Large award.

- Supplements should either:

  - **Extend the reach** of current BPC activities that have some evidence of effectiveness to more participants or institutions; or

  - **Coordinate** or **institutionalize** BPC activities within a department or similar unit.

IMPORTANT INFO

- Full BPC Solicitation (NSF 21-571):

  https://www.nsf.gov/pubs/2021/nsf21571/nsf21571.htm

- Alliance/Demonstration Project proposal due date: **June 14, 2021**

- Supplement proposals due date:

  - Contact cognizant Program Director(s) and the BPC team at cise-bpc@nsf.gov by **May 17, 2021**

QUESTIONS