NSF ATE Program Opportunities & Mentor-Connect Orientation

Live Webinar
Wednesday, September 27, 2023
2:00 – 3:30 p.m. ET

FLORENCE-DARLINGTON
TECHNICAL COLLEGE

MENTOR CONNECT

Getting Started

- Using the chat box, tell us how many viewers are in the room with you
- Ask questions in the chat
- Questions will be answered during the webinar
- Change the view in the upper right-hand corner

MENTOR CONNECT

Housekeeping

- Registered participants will receive a link to the webinar recording
- Typically happens within one week of the broadcast
- Quick-reference Guide based on the webinar will be published in the *Resource Library* on Mentor-Connect.org

Introductions

Elaine Craft, Principal Investigator
Mentor-Connect: Leadership Development and Outreach for ATE
Florence-Darlington Technical College, SCATE Center of Excellence

Osa Brand
Senior Personnel/Mentor
Mentor-Connect: Leadership Development and Outreach for ATE

Dr. Celeste Carter, NSF Program Director
ATE Lead Program Officer
National Science Foundation

Emery DeWitt, Project Manager, Co-Principal Investigator
Mentor-Connect: Leadership Development and Outreach for ATE
Florence-Darlington Technical College, SCATE Center of Excellence

Poll Question

What is your current role at your institution?

A. Faculty
B. Administrator
C. Grant Professional
D. None of the above

Poll

Agenda

- **Part I: The NSF ATE Program**
  - NSF – the Agency
  - NSF ATE Grant Funding Opportunities/Tracks & Deadlines
  - What ATE Funds & Funding Rate Variables
  - Program Officer Advice
- **Part II: Mentor-Connect Opportunity**
  - Eligibility: NSF ATE vs. Mentor-Connect
  - Mentor-Connect – the Project
  - Mentor-Connect System of Support
  - Eligibility: Mentor-Connect Specifics
  - Getting Started/Next Steps

Welcome from NSF

Dr. Celeste Carter, NSF Program Director
ATE Lead Program Officer
National Science Foundation

NSF Organizational Chart

Office of Equity and Civil Rights (OECR)

Office of the General Counsel (OGC)

Office of Integrative Activities (OI

Office of International

Office of Legislative a Public Affai (OLPA)

Office of the Directo

Director

Deputy Director

Chief Operating Officer

Chief of Research Facilities

Chief Information Officer

f of Research Security, Strategy and Policy

Dr. Sethuraman Panchanathan
Director

NSB National Science Board

Chair, Vice Chair, NSB Executive Officer

Office of the Inspector General (OIG)

Education and Human Services Directorate (EHR)

Division of Undergraduate Education

Advanced Technological Education (ATE) Program

Dr. James L. Moore III
Assistant Director

Directorate for Biological Sciences (BIO)

omputer and Information Science and Engineering (CISE)

Directorate for Engineering (ENG)

Directorate for Geosciences (GEO)

Directorate for Mathematical and Physical Sciences (MPS)

Directorate for Social, Behavioral and Economic Services (SBE)

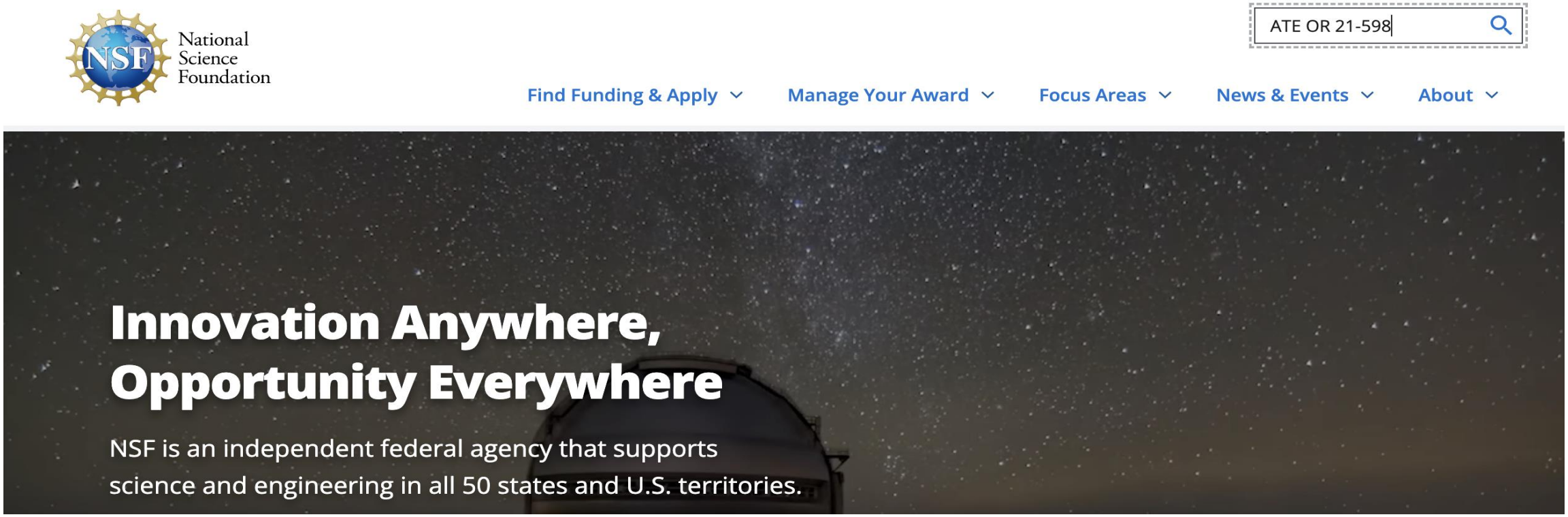
Office of Budget, Finance and Award Management (BFA)

Office of Information and Resource Management (OIRM)

www.NSF.gov

New Solicitation coming in 2024. 21-598 specifics are for illustration.

Finding ATE



Advanced Technological Education (ATE)

The *education* of highly qualified science and engineering technicians for advanced-technology fields that drive the nation's economy

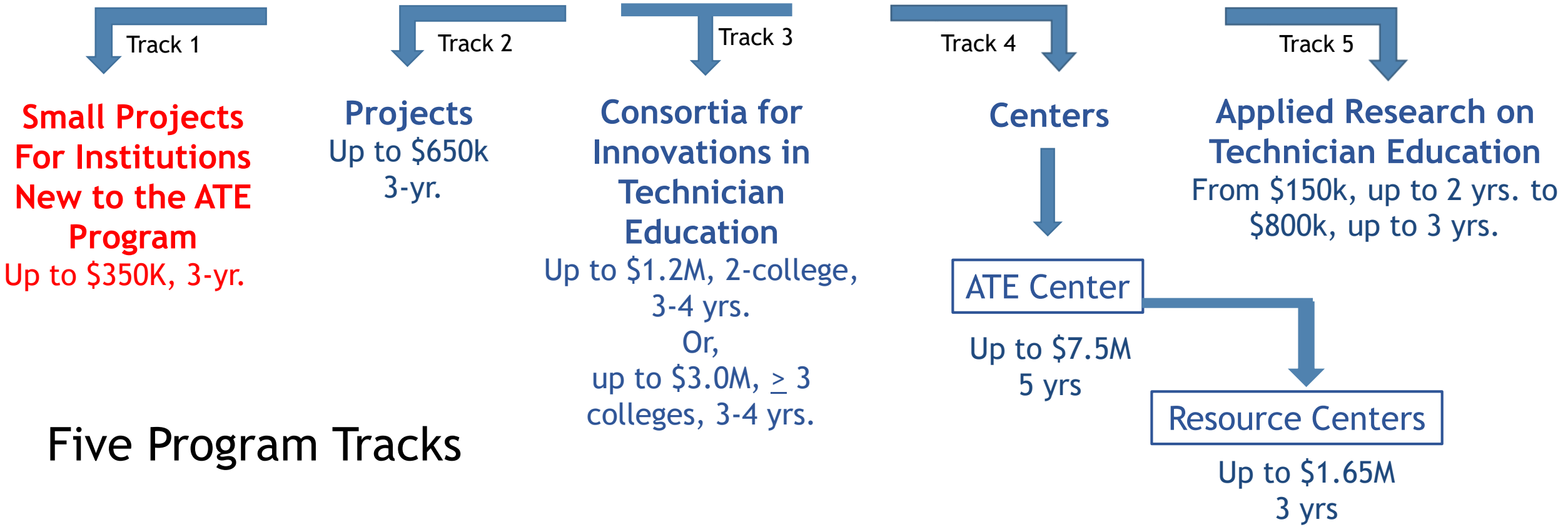
Advanced Technological Education (ATE)

For ATE Proposals

- **Community colleges** must have leadership roles in all projects
- Grades 7-12, 2 year and 4 year institutions can be supported **(Technician Education Pathways – but not broader STEM or college-transfer focus)**
- **Partnerships** with Industry and Economic Development Entities **– Hiring Needs**

ATE Program Funding Options

New Solicitation coming in 2024. 21-598 specifics are for illustration.



Five Program Tracks

Deadlines (All Tracks):
Traditionally First Thursday in October

ATE Small, New to ATE

New Solicitation coming in 2024. 21-598 specifics are for illustration.

Best Place to Start!

Small Grants for Institutions New to ATE ($350,000, 3 years)

Implementation, innovation, and adaptation in all areas supported by ATE

May be prototype or pilot for an idea that may be expanded in a future ATE Project proposal

Eligibility: 2-year colleges that have not had an ATE award within the past 7 years

ATE Projects Options

New Solicitation coming in 2024. 21-598 specifics are for illustration.

Projects - Up to $650,000 maximum 3 years

- Program Development, Implementation and Improvement
- Professional Development for Educators
- Curriculum and Educational Materials Development
- Teacher Preparation
- Adaptation and Implementation
- Instrumentation/Equipment Acquisition with Curriculum Updates (for established programs)

ATE Funding Rate Variables

The proposal funding rate is influenced by

- $ available
- # proposals received
- Type of proposal (funding track)
- Quality of proposals

Program Officer Advice

- Be alert to guidelines — PAPPG, NSF 23-1 (Updates coming in 2024)
- Read the solicitation (New one coming in 2024!) Choose right program track
- Start early!
- Have faculty-driven concept & work plan
- Get help — avoid errors
  - Program Officers
  - ATE Mentoring Projects
  - Project/Center PIs

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Poll Question

Why should you pursue NSF ATE funding?

A. Focus on 2-year colleges

B. Opportunity for colleges to get NSF funding

C. Multiple funding tracks available

D. All of the above

Poll

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QUESTIONS

Mentor-Connect Big Picture!

Mentor-Connect helps you compete for NSF ATE grant funding to work on technician education and develop as leaders

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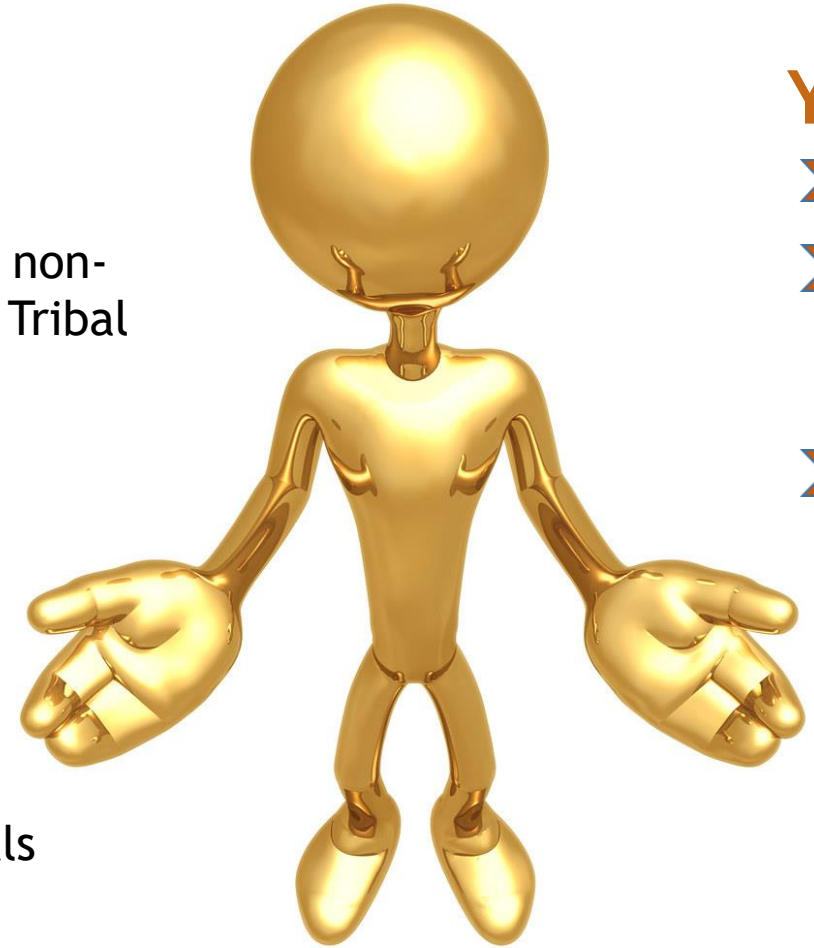
NSF-ATE

See PAPPG Chapter I.E.

- **Yes** – Institutes of Higher Education (IHEs), non-profit, non-academic organizations, and Tribal governments
- **Maybe** – For-profit organizations, State and Local Governments, Foreign Organizations, and Other Federal Agencies
- **No** – Unaffiliated Individuals

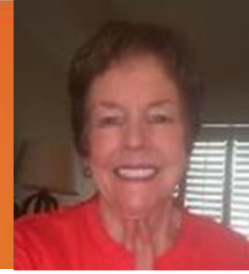


Mentor-Connect

Yes

- 2-year colleges
- Partnerships when 2-year college serves as the grantee (performing institution)
- New to ATE – Institutions or STEM Faculty/technician educators

Mentor-Connect Leadership & Support



Elaine Craft
Principal
Investigator

Emery DeWitt
Project Manager/
Co-Principal
Investigator

Pamela Silvers
Co-Principal
Investigator
Mentor

Rick Roberts
Managing Director
SCATE/
Mentor-Connect
Co-Principal Investigator

Osa Brand
Senior Personnel/
Mentor

Dennis Faber
Senior Personnel

Ellen Hause
Senior Advisor

Liz Teles
Senior Advisor

Jon Anderson
Financial/Accounting
Program Assistant
Mentor-Connect/
SCATE

David Hata
External
Evaluator

Madeline Patton
Freelance Writer/
Consultant

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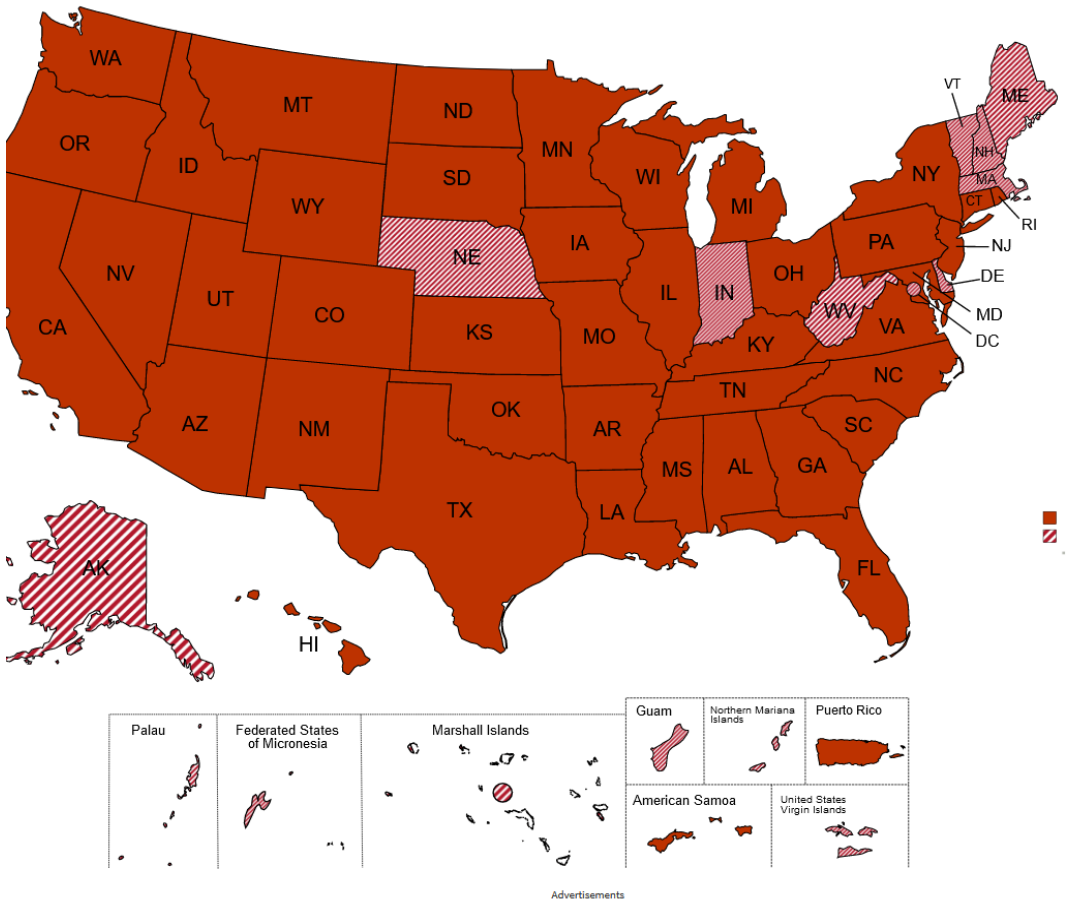
Success by Numbers

- 11 Cohorts
- 42 States
- 2 US Territories

- 234 Colleges Teams
- 437 Faculty
- 263 Grant Professionals/Administrators



Advertisements

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Participant Success Data

- 86% have submitted NSF ATE proposals
- 72% received grants (Small Projects for Institutions New to ATE) compared to 26% overall NSF funding rate

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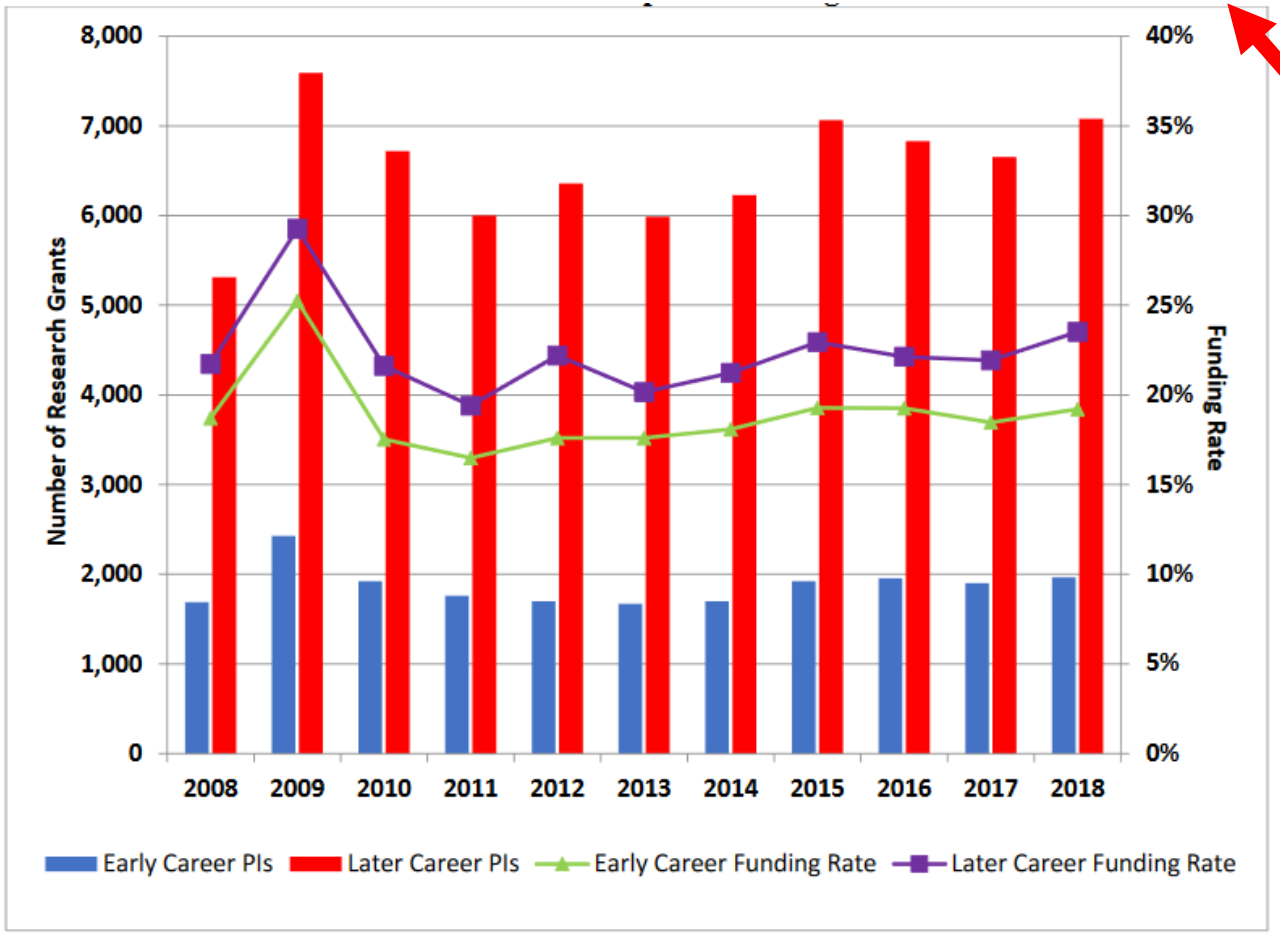

Source: NSF Enterprise Information System, 10/01/18.

Why ATE & Mentor-Connect?

Mentor-Connect Participant
>72% funding rate!

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Mentor-Connect Overview

- Work one-on-one with an experienced Mentor
- Learn in a cohort with others who are new to ATE
- Benefits
- Expectations
- Financial support

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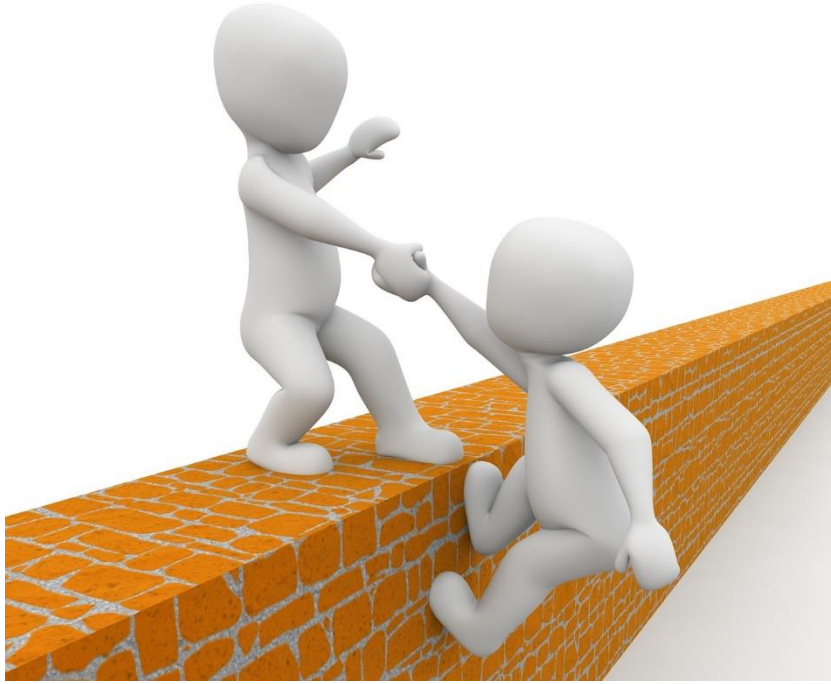
Your Mentor's Role

- Strengthen proposal topics
- Refine ideas & strategies
- Guide proposal development
- Help address NSF & ATE requirements
- Provide links to ATE resources/people
- Assist team during workshops



2023 Mentors

Osa Brand

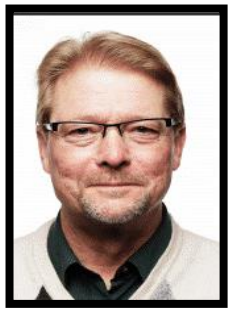
Mel Cossette

Diane Dostie

Sharon Gusky

Vicki Jeppeson

Ann Johnson


Greg Kepner

Doug Laven

Ken Mays

Louis McIntyre

Rick Polanin

Anca Sala

Pam Silvers

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Structure

- 24 college teams selected each year (November)
- Two STEM faculty (+ grant professional and administrator)

Apply for 2024 Submission
www.Mentor-Connect.org
GET A MENTOR

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Benefits

- ATE-experienced mentor assigned to each team
- 3-day grant-writing workshop - Winter
- Technical assistance webinars
- Quick-reference guides
- One-day workshop & HI-TEC (conference) - Summer
- Other resources and “help desk” support
- Travel support for team (for in-person workshops)
- Stipends for faculty participants

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Grow your professional network

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Expectations

- Participate as a team
- Fully engage in training & mentoring activities
- Provide feedback
- Submit an ATE proposal

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Financial Support

- Travel Reimbursement (2 workshops)
- High Impact Technology Exchange Conference (HI-TEC) Registration
- Faculty Stipends

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Reminder

- Put your questions in the chat box
- Questions will be answered later in the webinar

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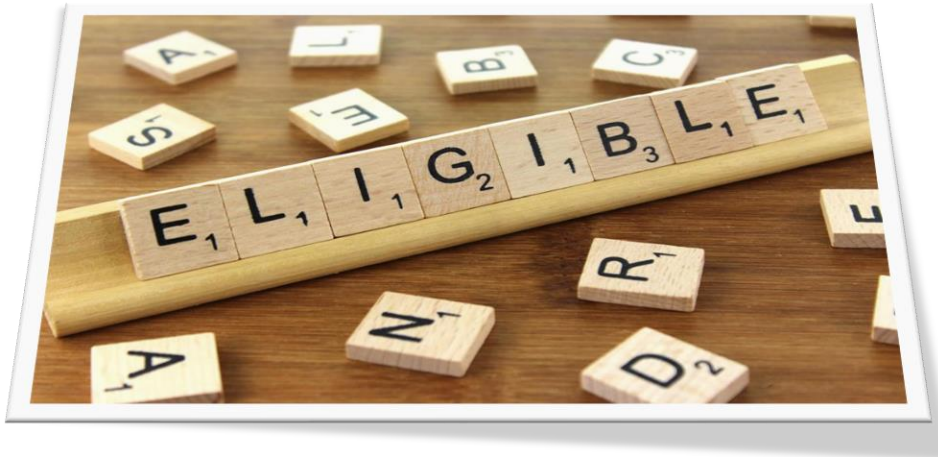
Who is Eligible?

- 2-year technical and community colleges & faculty
  - New-to-ATE colleges — no ATE grant funding in the past 7 years or ever
  - New-to-ATE faculty — no experience as PI or Co-PI on an ATE grant



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Application Requirements

- 2 STEM faculty who teach future technicians
  - Lead as PI or Co-PI
  - Have experience/qualifications
- Support/Commitment of college
  - Administrative affidavit
  - Participation by grant professional and/or administrator
- Idea for ATE grant proposal

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Teamwork Recommended & Encouraged

- Two faculty
- + 2 others
  - Grant Professional or equivalent
  - Other supportive administrator

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Grant Professional/Administrator Benefits

- Separate Winter Workshop session
- Mentor support
- Mentor-Connect resources
- Eligible for travel support

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January 31-February 2, 2024

Winter Workshop - New Orleans

Instruction and Mentee-Mentor work time

- Proposal structure & components
- When to do what
- Tips for proposal success
- NSF proposal review & funding
- Leadership skills development
- ATE expectations for ATE projects vs. small grants

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Summer Workshop

- Tuesday, July 30, 2024
- In conjunction with HI-TEC in Kansas City, MO (July 29-August 1, 2024)

High Impact Technology Exchange Conference

Preparing America's Skilled Technical Workforce

Poll Question

Which of the following are Mentor-Connect participant benefits?

A. Two ATE grant-development workshops
B. One-on-one mentoring for each college team
C. Technical support & webinars
D. Travel support & stipends
E. All of the above

Poll

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Reminder

- Put your questions in the chat box
- Questions will be answered later in the webinar

How to Apply

Access application package (available NOW):

www.Mentor-Connect.org

"Get a Mentor"

Deadline November 10, 2023

Application Components:

Electronic Application & College Affidavit

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What you need to get started

- An idea for enhancing technician education
- Desire to make a difference
- Industry need for completers of the targeted technician education program(s)

Selection Process

- Everyone who applies gains access to Mentor-Connect help
- Up to 24 colleges/teams selected for Cohort 12; notification on November 17, 2023
- If not selected, you will receive:
  - One-on-one consultation & feedback on application
  - Alternate pathways to engage with the ATE Program
  - Access to Mentor-Connect webinars and online resources

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Selection Criteria

- Application is complete
- New to ATE (college **OR faculty** team)
- Proposal idea is technician-focused and appropriate for ATE
- STEM faculty team members
  - Teach credit-based courses
  - Have relevant expertise/experience

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Notification – What Next?

- Read acceptance or decline letter thoroughly
- Accepted?
  - Register and prepare for winter workshop
  - Quickly engage with your assigned Mentor
- Declined?
  - Participate in 1-on-1 consultation about why
  - Receive guidance for a pathway to success
- Ask questions

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More about Mentors

- "Hatched" from ATE Community of experienced grantees
- Prepared via Mentor Fellows Internship
- Give back by helping others benefit from ATE
- Support STEM faculty leadership development
- Bring more 2-year colleges to ATE . . . and keep them engaged

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Leadership Development

- Results from problem-based learning as faculty develop plans, prepare proposals, and implement projects
- Occurs throughout Mentor-Connect participation and thereafter
- Expands faculty beyond their classroom and normal faculty roles at a college
- Creates opportunity to become a Mentor

Mentor Fellows Initiative

Developing new mentors who assist prospective grantees prepare competitive ATE Grant proposals

Mentor Fellows grow professionally while helping others!

Have you implemented two or more successful ATE grants?

Would you like to give back to the ATE community?

Funded by the National Science Foundation
Advanced Technological Education (ATE) Program
DUE# 1501183 & DUE#1840856

Give back to ATE . . .

and continue to grow as a leader

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2023 Mentor Fellows

Matthew Swenson
Mentor Fellow Leader

Terry Bartelt

Frank Reed

Esperanza Zenon

Billie Copley
Co-Mentor Fellow

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Tips for ATE Success

- Apply for mentoring help
- Use Mentor-Connect resources
- Submit an ATE grant proposal
- Join the amazing ATE Community

No cost to participants!

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QUESTIONS

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- www.Mentor-Connect.org
- 843.676.8541
- mentor-connect@fdtc.edu
- ATEMentorConnect
- @Mentor_Connect
- LinkedIn.com/MentorConnect

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Webinar Evaluation

- Please complete the evaluation/poll
- Scroll down to make sure you answer all questions

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Leadership Development and Outreach for ATE

NSF DUE #2227301

Elaine Craft, Principal Investigator

SC ATE Center of Excellence

Florence-Darlington Technical College - Florence, SC 29501-0548

SOUTH CAROLINA ADVANCED TECHNOLOGICAL EDUCATION CENTER OF EXCELLENCE

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