



ATE-CENTERS

Grant Proposal Resources, Road Maps and Timelines

March 8, 2018

Webinar will begin at 3pm ET



Webinar Details

- For this webinar you will be in listen only mode using your computer or phone
- Please ask questions via the question window
- This webinar is being recorded – you will be sent a recording link

Brought To You By:

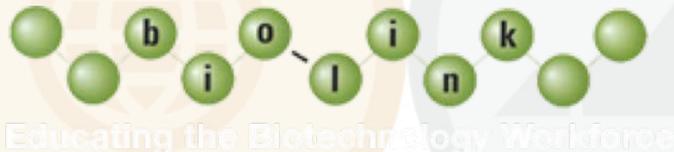
CCTA | CENTERS COLLABORATIVE FOR TECHNICAL ASSISTANCE

With Additional Support by the ATE Collaborative Impact Project

ATECENTERS

Disclaimer: This material is based upon work supported by the National Science Foundation under Grants # 1205077 and # 1261893. Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

The CCTA is led by



- **National Center for Convergence Technology (CTC)** at Collin College in Frisco, TX (lead)
- **South Carolina ATE National Resource Center (SCATE)** at Florence Darlington Technical College in Florence, SC
- **Florida ATE Center (FLATE)** at Hillsborough Community College in Tampa, FL
- **Bio-Link Next Generation National ATE Center for Biotechnology and Life Sciences (Bio-Link)** at City College of San Francisco in San Francisco, CA

CCTA Purpose

- Respond to a request from the Department of Labor (DOL) to the NSF to have ATE Centers provide technical assistance services to DOL TAACCCT grantees
- Activities relevant for DOL grants, NSF grants and workforce-oriented programs of all kinds
- Deliverables
 - Topical webinars on existing and new solutions
 - Live/recorded with attendee Q&A
 - Identify and document best practices
 - Host convenings

Poll #1: Your Affiliation

- A. I am involved with an NSF grant
- B. I am involved with a TAACCCT grant
- C. Both
- D. Neither

Poll: How many people are listening with you?

- A. None
- B. 1
- C. 2
- D. 3 or more

Poll #3: Viewing History

- A. I was here last year for the *Grant Proposal Resources, Roadmaps and Timelines* webinar, and/or I viewed the recorded webinar before attending today's webinar.
- B. I have attended other CCTA webinars, but not this one.
- C. I have not attended or watched the recorded webinar on today's topic.

TODAY'S PRESENTERS



Elaine Craft

Presenter
Co-PI, CCTA
PI, Mentor-Connect: Leadership
Development and Outreach for ATE
PI, SCATE National Resource Center
Florence-Darlington Technical
College,
Florence, SC



Elizabeth Teles

Presenter
NSF Program Director;
Division of Undergraduate
Education, ATE and S-STEM



AGENDA

Part I

Unique Characteristics of NSF Grant Funding

Part II

2017 Changes in the NSF ATE Program Solicitation

Part III

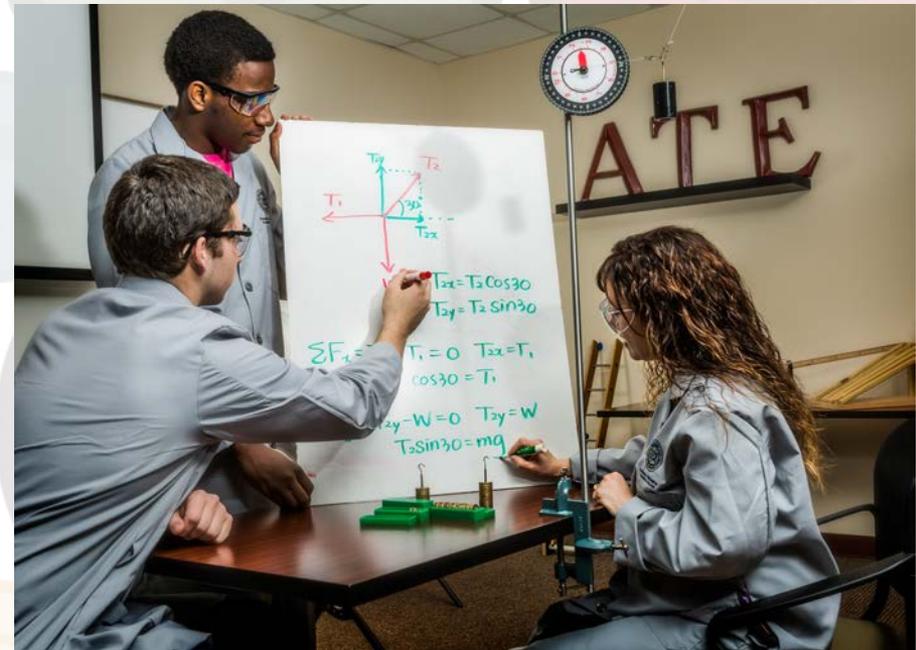
15 Helpful Tips for Developing ATE Project Proposals

Part IV

**Resources Specific to Preparing a Competitive NSF
ATE Grant Proposal**

Why Pursue NSF Grant Funding?

- Education focus (DUE)
 - ATE
 - 2-year colleges
 - Technician education
 - Industry & education partners
 - S-STEM, IUUSE, etc.



Why Pursue NSF Grant Funding?

- Proposal structure and review promotes success
 - Gold Standard proposal review process
 - Intellectual Merit
 - Broader Impacts
- Multi-year Solicitations
- Peer-to-Peer help for potential Grantees

No Cost Sharing

- NSF – “Voluntary cost-sharing is expressly prohibited.”
- NSF – Expects previous work to be...
 - Researched
 - Used to inform future work
 - Adapted or Implemented as appropriate
 - Leveraged through partnerships with other grantees on new proposals

Happy and Connected Grantees

- Happy Grantees
 - Communication with Program Officers
 - Latitude with budget and decision-making
 - Partners for success and discovery
 - Program longevity
 - Annual reporting
- Connected Grantees
 - Supportive fellow grantees
 - Resources and knowledge freely shared



Part II: Changes in the 2017 NSF ATE Program Solicitation applicable to— *New and Returning Funding Opportunities*



ATE Program

Three Program Tracks

ATE Projects
Up to \$600k, up to 3 yrs

except

Small/New to ATE:

Up to \$225k

New

→ A& I (\$300-400K)

→ Instrumentation (\$400-500K)

Targeted Research in
Technician Education

From \$150k, up to 2 yrs
to \$800k, up to 3 yrs

ATE Centers

Two Types

Center

Up to \$5M
5 yrs

Resource Centers

Up to \$600k
3 yrs

Deadlines (All Tracks):

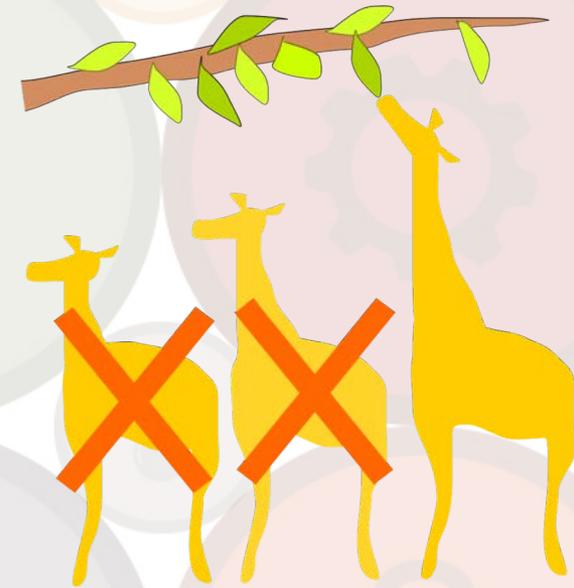
4 October 2018



New: Adapt & Implement

Encourages Pace of Innovation Diffusion
3 yr./\$300-400K

- Evidence that materials and/or practices worked elsewhere
- Realistic Plan for adaptation & use
- Explanation of why materials/practices are anticipated to work in your institution
- Can address improvement in individual course or laboratory or entire curricula or program

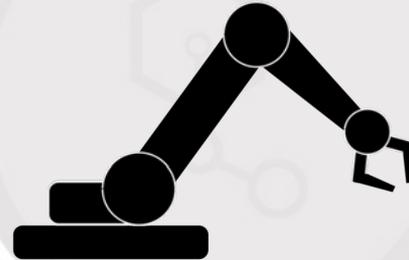




New: Instrumentation

with Curricular Modifications to Support the Instrumentation, 3 yr. \$400-500K

- Existing program & industry identify new need
- Describe type of curricular changes & how changes will meet need
- Include industry & faculty collaboration on curriculum
- Include faculty time to
 - Learn new technology
 - Work with industry on curriculum changes
 - Test & modify materials based on feedback





Returning Project Opportunities

3 yr./\$600K

- Program Development & Improvement
- Curriculum & Educational Materials Development
- Professional Development for Educators
- Leadership Capacity Building for Faculty
- Teacher Preparation
- Business & Entrepreneurial Skills for Students
- **ATE Coordination Networks**



Questions?



Part III: 15 Helpful Tips for Developing ATE Project Proposals

Tips 1-3

1. Results of prior support and program preparation matter
2. Read the most current program solicitation carefully (NSF #17-568) ...2018 *update coming*
3. Attention to latest version of the Proposal and Award Policies & Procedures Guide (PAPPG) —NSF #18-1

www.NSF.gov (search 18-1 or PAPPG)

Tips 4-6

4. Follow the instructions for supplementary documents.
5. Share 1-pg. summary with Program Officer
6. Ask advice from PIs with multiple awards

Tips 7-9

7. Match budget request to project's scope.
8. Show local employer need
9. Build cohesive project team

Tips 10-12

10. Build effective partnerships
11. Focus on institution and partner strategic plans and capabilities
12. Utilize consultants & advisors for additional expertise.

Tips 13-15

- 13. Use Mentor-Connect resources
- 14. Work with an evaluator
- 15. Prepare to implement the project plan



Part IV: Resources specific to preparing a competitive NSF ATE grant proposal

Mentor-Connect Resources*

- Technical Assistance webinars and tutorials
- FAQs
- Searchable library of resources for grant writing
 - Selected NSF publications/excerpts
 - Sample proposals
 - Checklists & guidelines
- Help desk

*NSF DUE# 1501183

Sample Resources

Technical Assistance Webinars & Tutorials

- *Budget and Budget Justification*
- *Forms*
- *Evaluation for Small Projects*
- *NSF Advice on Financial Management of NSF ATE Grants*
- www.Mentor-Connect.org



Mentor-Connect Library- Sample Proposal

Not for distribution

COVER SHEET FOR PROPOSAL TO THE NATIONAL SCIENCE FOUNDATION

PROGRAM ANNOUNCEMENT/SOLICITATION NO./CLOSING DATE: not in response to a program announcement/solicitation unless NSF 14-1

NSF 14-577		10/09/14		FOR NSF USE ONLY	
FOR CONSIDERATION BY NSF ORGANIZATION UNIT(S) <small>(indicate the most specific unit, i.e., program, division, etc.)</small>				NSF PROPOSAL NUMBER 1501267	
DUE - ATE-Projects					
DATE RECEIVED	NUMBER OF COPIES	DIVISION ASSIGNED	FUND CODE	DUNSI# <small>(Data Universal Numbering System)</small>	FILE LOCATION
10/09/2014	1	110-0900 DUE	7412		
EMPLOYER IDENTIFICATION NUMBER (EIN) OR TAXPAYER IDENTIFICATION NUMBER (TIN)		SHOW PREVIOUS AWARD NO. IF THIS IS <input type="checkbox"/> A RENEWAL <input type="checkbox"/> AN ACCOMPLISHMENT-BASED RENEWAL		IS THIS PROPOSAL BEING SUBMITTED TO ANOTHER FEDERAL AGENCY? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> IF YES, LIST ACRONYM(S)	
NAME OF ORGANIZATION TO WHICH AWARD SHOULD BE MADE Gaston College		ADDRESS OF AWARDEE ORGANIZATION, INCLUDING 9 DIGIT ZIP CODE Gaston College 201 Highway 321 South Dallas, NC, 280349565			
AWARDEE ORGANIZATION CODE (if known)					
NAME OF PRIMARY PLACE OF PERF Gaston College		ADDRESS OF PRIMARY PLACE OF PERF, INCLUDING 9 DIGIT ZIP CODE Gaston College 201 Hwy 321 South Dallas, NC, 280341499, U.S.			
IS AWARDEE ORGANIZATION (Check All That Apply) <small>(See GPG I.L.C. For Definitions)</small> <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> FOR-PROFIT ORGANIZATION <input type="checkbox"/> MINORITY BUSINESS <input type="checkbox"/> WOMAN-OWNED BUSINESS <input type="checkbox"/> IF THIS IS A PRELIMINARY PROPOSAL THEN CHECK HERE					
TITLE OF PROPOSED PROJECT Promoting Apprenticeship Consider for Technology (PACT) Project					
REQUESTED AMOUNT \$	PROPOSED DURATION (in months)	REQUESTED STARTING DATE	SHOW RELATED PRELIMINARY PROPOSAL NO. IF APPLICABLE		
196,302	24 months	09/01/15			
THIS PROPOSAL INCLUDES ANY OF THE ITEMS LISTED BELOW					
<input type="checkbox"/> BEGINNING INVESTIGATOR (GPG I.L.C.2)		<input type="checkbox"/> HUMAN SUBJECTS (GPG I.L.C.7) Human Subjects Assurance Number _____			
<input type="checkbox"/> DISCLOSURE OF LOBBYING ACTIVITIES (GPG I.L.C.1a)		<input type="checkbox"/> EXEMPTION STATUS <small>(See GPG I.L.C. For Definitions)</small> or IRB App. Date _____			
<input type="checkbox"/> PROPRIETARY & PRIVILEGED INFORMATION (GPG I.L.C.1a)		<input type="checkbox"/> INTERNATIONAL ACTIVITIES: COUNTRY/COUNTRIES INVOLVED (GPG I.L.C.2)			
<input type="checkbox"/> HISTORIC PLACES (GPG I.L.C.2)		<input type="checkbox"/> HISTORIC PLACES (GPG I.L.C.2)			
<input type="checkbox"/> VERTEBRATE ANIMALS (GPG I.L.C.8) IACUC App. Date _____		<input type="checkbox"/> COLLABORATIVE STATUS			
<input checked="" type="checkbox"/> FUNDING MECHANISM Research - other than RAPID or EAGER		<input checked="" type="checkbox"/> Not a collaborative proposal			
PI/PO DEPARTMENT Engineering & Industrial Technologies		PI/PO POSTAL ADDRESS 201 Highway 321 South Dallas, NC 280349565 United States			
PI/PO FAX NUMBER 704-922-2334					
NAMES (TYPED)	High Degree	Yr of Degree	Telephone Number	Email Address	
PI/PO NAME George H Hendricks	DEd		704-922-6305	hendricks.george@gaston.edu	
CO-PI/PO Diane B Metcalfe	MAEd		704-922-6591	metcalfediane@gaston.edu	
CO-PI/PO					
CO-PI/PO					

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FOR CONSIDERATION BY NSF ORGANIZATION UNIT(S) <small>(indicate the most specific unit, i.e., program, division, etc.)</small>				NSF PROPOSAL NUMBER	
DUE - ATE-Projects					
DATE RECEIVED	NUMBER OF COPIES	DIVISION ASSIGNED	FUND CODE	DUNSI# <small>(Data Universal Numbering System)</small>	FILE LOCATION
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NAME OF ORGANIZATION TO WHICH AWARD SHOULD BE MADE Monroe Community College		ADDRESS OF AWARDEE ORGANIZATION, INCLUDING 9 DIGIT ZIP CODE Monroe Community College 1000 E Henrietta Road Rochester, NY, 146235780			
AWARDEE ORGANIZATION CODE (if known)					
NAME OF PRIMARY PLACE OF PERF Monroe Community College		ADDRESS OF PRIMARY PLACE OF PERF, INCLUDING 9 DIGIT ZIP CODE Monroe Community College NY, 146235780, U.S.			
IS AWARDEE ORGANIZATION (Check All That Apply) <small>(See GPG I.L.C. For Definitions)</small> <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> FOR-PROFIT ORGANIZATION <input type="checkbox"/> MINORITY BUSINESS <input type="checkbox"/> WOMAN-OWNED BUSINESS <input type="checkbox"/> IF THIS IS A PRELIMINARY PROPOSAL THEN CHECK HERE					
TITLE OF PROPOSED PROJECT GeoTech Consortium of Western New York: Get the GIST (Geospatial Information Science Technology) Certificate					
REQUESTED AMOUNT \$	PROPOSED DURATION (in months)	REQUESTED STARTING DATE	SHOW RELATED PRELIMINARY PROPOSAL NO. IF APPLICABLE		
199,838	36 months	07/01/15			
THIS PROPOSAL INCLUDES ANY OF THE ITEMS LISTED BELOW					
<input checked="" type="checkbox"/> BEGINNING INVESTIGATOR (GPG I.L.C.2)		<input type="checkbox"/> HUMAN SUBJECTS (GPG I.L.C.7) Human Subjects Assurance Number _____			
<input type="checkbox"/> DISCLOSURE OF LOBBYING ACTIVITIES (GPG I.L.C.1a)		<input type="checkbox"/> EXEMPTION STATUS <small>(See GPG I.L.C. For Definitions)</small> or IRB App. Date _____			
<input type="checkbox"/> PROPRIETARY & PRIVILEGED INFORMATION (GPG I.L.C.1a)		<input type="checkbox"/> INTERNATIONAL ACTIVITIES: COUNTRY/COUNTRIES INVOLVED (GPG I.L.C.2)			
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<input checked="" type="checkbox"/> FUNDING MECHANISM Research - other than RAPID or EAGER		<input checked="" type="checkbox"/> Not a collaborative proposal			
PI/PO DEPARTMENT Chemistry and Geosciences		PI/PO POSTAL ADDRESS 1000 E Henrietta Road Rochester, NY 146235780 United States			
PI/PO FAX NUMBER 585-427-2749					
NAMES (TYPED)	High Degree	Yr of Degree	Telephone Number	Email Address	
PI/PO NAME Jonathan Little	MS		585-292-2396	jlittle@monroec.edu	
CO-PI/PO Heather Pierce	MA		585-292-3026	hpierce@monroec.edu	
CO-PI/PO Daniel E Robertson	MS		585-292-3026	drobertson@monroec.edu	
CO-PI/PO					
CO-PI/PO					

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Sample Roadmap-Project Development

NSF ATE Proposal Component Tracking Grid

Project Name:

College:

Component	Name	Comment	Due Date/Complete
Cover Sheet			
Project Data Form			
Project Summary: 1 page			
Project Overview			
Intellectual Merit			
Broader Impact			
Project Description: 15 pages			
Results of Prior Support			
Motivating Rationale			
Goals & Objectives			
Deliverables			
Activities & Timetable			
Management Plan			
Roles and responsibilities (PI, Co-PI's; other Senior Personnel			
Sustainability Plan			
Evaluation Plan			
Dissemination Plan			
Data Management Plan			
References Cited			
Bio Sketches			
Letters of Commitment			
Current & Pending Support			
Budget			
Budget Justification			
Facilities, Equipment, Institutional Support and Other Resources			
Institutional Review Board (IRB) Letter			
Federal Indirect Rate			
Other Documents:			
Other References			



NSF Award Search- Examples

<https://www.nsf.gov/awardsearch/>

- Simple Search

- **Element Code (EC) 7412** for Active and/or Expired **ATE Awards**
- Biotechnology: all funded projects that mention biotechnology (not just ATE)

- Advanced Search

- EC 7412 + Keyword biotechnology = all currently-funded ATE grants that mention biotechnology
- EC 7412 + Keyword biotechnology + Dropdown list location California = 5 current ATE projects being supported in California
- EC 7412 + Program Officer Teles = all current ATE awards on which Teles is the assigned program officer.
- **EC 1536** + Dropdown list location South Carolina + Check Active & Expired = all **S-STEM Awards** made to SC grantees



NSF encourages your participation.

Come on in!



ATE Deadline
October 4, 2018



Questions?

Join Us – All Webinars 3 pm Eastern

Thursday, March 29 2018

Developing Stakeholder Partnerships Internally and Externally for Successful Grants (Updated)

Due to the latest NSF ATE Solicitation released in 2017, this webinar will act as an addendum and focus on specifics that have changed on this topic. A live Q&A will occur the last 30 to 45 minutes of the webinar.

We highly encourage that you watch the original webinar recording prior to attending this one. The original webinar was held on March 23, 2017 which covered the following information.

In addition to developing a good idea with supporting goals and activities, it is imperative that key stakeholders both internal and external be committed to the work of the proposed grant. This session will focus on the various types of stakeholders including, but not limited to, the main institution's and any partner institution's administration, staff, and faculty; a strong evaluator with a detailed evaluation plan; and engaged business, industry, and community members.

Presenters:

Elaine Johnson

PI and Executive Director, Bio Link

Marilyn Barger

PI and Executive Director, FLATE

Ann Beheler

PI and Executive Director, National CTC

For Other Upcoming Webinars See: <http://www.atecenters.org/ccta>

Join us in National Harbor!

Innovations Conference March 18-21, 2018 in National Harbor, MD.

CCTA workshop to be held Monday during the conference!



The screenshot shows the website for the League for Innovation in the Community College's 2018 Innovations Conference. The page features a navigation menu with links for ABOUT, EVENTS, AWARDS, PROJECTS, INNOVATION, and COMMUNITY. Below the navigation is a search bar and a secondary menu with links for CALL FOR PROPOSALS, REGISTRATION, HOTEL & TRAVEL, SCHEDULE, EXPO & SPONSORS, and PRESENTERS. The main content area displays a large image of the Gaylord National Resort & Conference Center in National Harbor, MD, with the text: **INNOVATIONS CONFERENCE**, MARCH 18-21, 2018, NATIONAL HARBOR, MD. Below the image is a paragraph of text: "The League for Innovation in the Community College is pleased to announce that the 2018 Innovations Conference will be held March 18-21, in National Harbor, Maryland (just 8 miles south of Washington D.C.). All conference events will take place at the Gaylord National Resort & Conference Center. This event is hosted by Prince George's Community College and Baltimore City Community College." A small logo for the League for Innovation is visible in the bottom right corner of the screenshot.

<https://www.league.org/inn2018>

Join us in Miami!



July 25-28, 2018



www.highimpact-tec.org

Register for HI-TEC and DOL and NSF Workforce Convening

HI-TEC Conference July 27-28 in Miami, FL

www.highimpact-tec.org

Free follow-up **DOL and NSF Workforce convening** for all TAACCCT grantees, NSF grantees and others who can benefit on **Friday, July 29.**

Contacts

- Elaine Craft – elaine.craft@fdtc.edu
- Elizabeth Teles - ejteles@nsf.gov

<http://www.atecenters.org/ccta>

WEBINAR SURVEY

Please take a moment to help us become better...