



ATE-CENTERS

Grants and Innovation – A Great Match

February 15, 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:

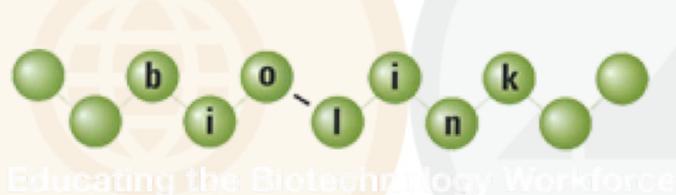
CCTA | CENTERS COLLABORATIVE FOR TECHNICAL ASSISTANCE

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

TODAY'S PRESENTERS



Dr. David Campbell

Presenter
Lead Program Officer;
National Science
Foundation



Ann Beheler

Presenter
Principal Investigator (PI);
National Convergence
Technology Center (CTC)

National Science Foundation ATE

- Latest solicitation is 17-538

- It can be found here

https://www.nsf.gov/publications/pub_summ.jsp?WT.z_pims_id=5464&ods_key=nsf17568

Solicitation Highlights

- Tracks, all focused on technician education
 - Projects
 - Centers
 - Targeted Research

Advanced Technological Education (ATE)

PROGRAM SOLICITATION NSF 17-568

REPLACES DOCUMENT(S):
NSF 14-577



National Science Foundation
Directorate for Education & Human Resources
Division of Undergraduate Education
Research on Learning in Formal and Informal Settings

Full Proposal Deadline(s) (due by 5 p.m. submitter's local time):

October 05, 2017
October 04, 2018
October 03, 2019

IMPORTANT INFORMATION AND REVISION NOTES

The funding duration and size of award for the Centers Track has been changed. The types of centers supported has been changed to "Centers" and "Resource Centers". A center budget maximum is \$5 million over five years with the possibility of one renewal. A center may transition to a resource center, and the budget maximum is \$600,000 over three years with the possibility of one renewal.

The maximum budget for projects has been changed. Budgets range from \$225,000 to \$600,000 total maximum budget.

Additional project focus areas in Adaptation and Implementation and Instrumentation Acquisition have been added.

Regarding the small, new to ATE focus areas, eligibility requirements have been changed to allow institutions that have not received an ATE award in the past seven years (from the award start date) to submit proposals.

Developers are strongly encouraged to use an open licensing approach for any new learning materials and computer software source code when these materials are developed as a component of the proposed project (see text under "Reporting Requirements").

Any proposal submitted in response to this solicitation should be submitted in accordance with the revised NSF Proposal & Award Policies & Procedures Guide (PAPPG) (NSF 17-1), which is effective for proposals submitted, or due, on or after January 30, 2017.

SUMMARY OF PROGRAM REQUIREMENTS

General Information

Program Title:

Advanced Technological Education (ATE)

Synopsis of Program:

With an emphasis on two-year colleges, the Advanced Technological Education (ATE) program focuses on the education of technicians for the high-technology fields that drive our nation's economy. The program involves partnerships between academic institutions and industry to promote improvement in the education of science and engineering technicians at the undergraduate and secondary school levels. The ATE program supports curriculum development; professional development of college faculty and secondary school teachers; career pathways; and other activities. The program invites research proposals that advance the knowledge base related to technician education. It is expected that projects be faculty driven and that courses and programs are credit bearing although materials developed may also be used for incumbent worker education.

The ATE program encourages partnerships with other entities that may impact technician education. For example, with

Project Highlights

- Approximately 20-25 new awards, ranging from \$75,000 to \$200,000 per year and having a duration of up to three years (maximum budget not to exceed \$600,000, including ATE-CN).
- Small grants for institutions new to the ATE program: approximately 12-20 awards for up to \$225,000 (each) typically spread over three years. It is expected that the budget request will match the scope of the project.
- Adaptation and Implementation: approximately 10-15 awards each totaling \$300,000 to \$400,000 typically spread over two to three years.
- Instrumentation Acquisition: approximately four awards each totaling \$400,000 to \$500,000 typically spread over two to three years.

Center Highlights

- Funding will be \$5 million spread over five years, with the possibility of a competitive grant renewal for \$5 million over an additional five years. It is expected that 1-2 awards may be made each year.
- Resource centers: funding will be \$600,000 spread over three-years with the possibility of a competitive renewal for an additional three-years. It is expected that one to two awards may be made each year.
- Planning Grants for Centers: one to two new awards for up to \$70,000 (each) to develop well-formulated plans for a future center.

Targeted Research Highlights

- On technician education

Up to 5 new awards, ranging from \$150,000 total for up to two years to \$800,000 total for up to three years.

INNOVATION

- A new method
- A new idea
- A new product



But what does that mean in terms of NSF ATE proposals?

What is the Need?

- The Need may be something totally new such as the need to support an emerging technology

or

- The Need may be something new to your college or group of colleges that has evidence of having been successfully implemented elsewhere; this may be an adoption/adaptation to fit your needs

Business/Industry Involvement

- B&I validate that the need identified fits with their needs
- B&I document their commitment to help with the work



How Will You Address the Need?

- Goals and Objectives (and activities to reach them) address how you plan to meet the need
- Roughly 3-4 goals with associated objectives
- Consider having SMART goals
 - Specific
 - Measurable
 - Agreed-upon
 - Relevant
 - Time-based

How Will You Document Your Qualifications?

- Principal Investigator background is key
- Up to 4 Co-Principal Investigators who also must show qualifications



**Details concisely listed in
personnel bio-sketches**

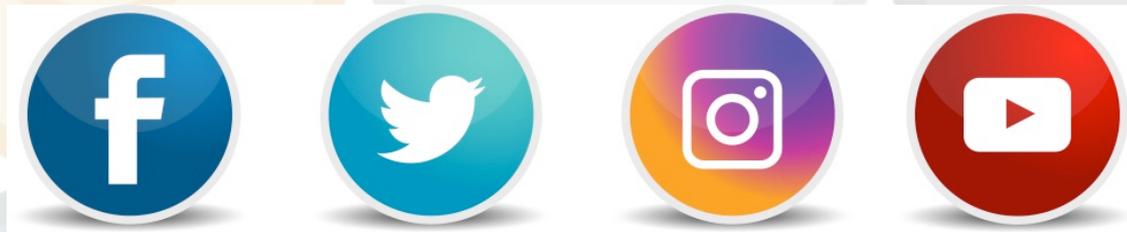
How Will Your Work be Evaluated?

- 3-4 key research questions
- What evidence will you collect? Data gathered by your team and the external evaluator not connected to your college
- What difference will your work really make?
- Who is your planned evaluator?
- Evaluation Report

Names and details matter

How Will You Share/Disseminate Your Work?

- Website?
- Social media?
- Conference presentations? Which ones?
- Publications?



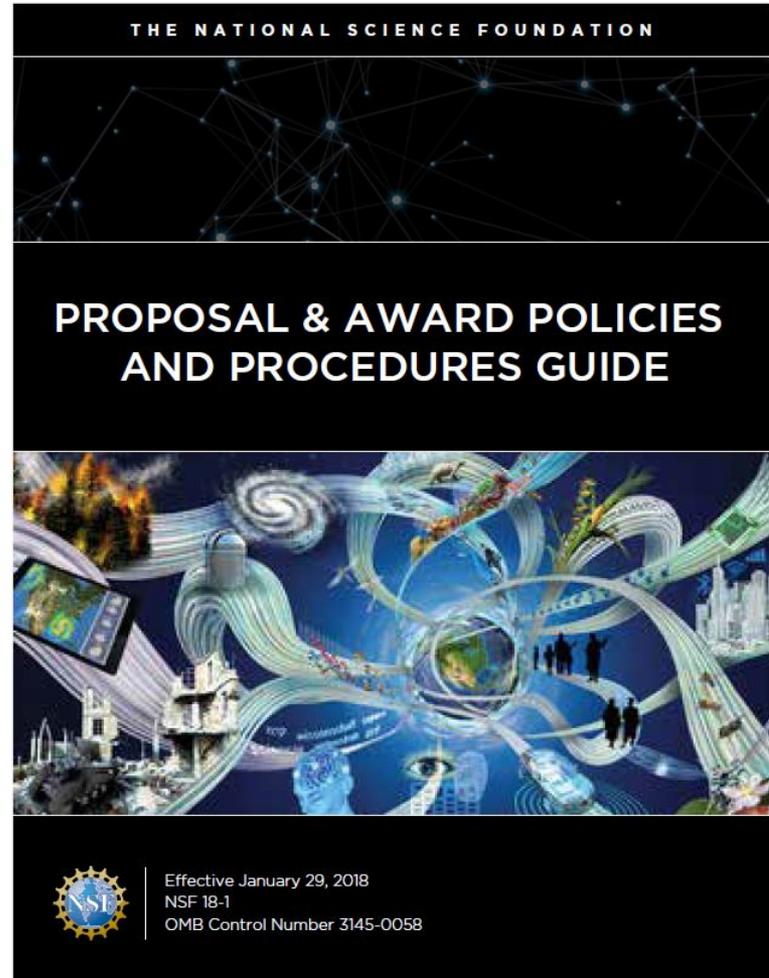
Details matter

ATE Proposal Preparation Template

- Meant to provide a framework for proposal preparation
- Enter notes/phrases/sentences in the “boxes” when you have them

PAPPG IMPLEMENTATION

- October 30, 2017 – Released to the community
- January 29, 2018 – Effective date



PAPPG SIGNIFICANT CHANGES

- Revises eligibility standards to:
 - Add a new subcategory for Institutions of Higher Education
 - Revises the eligibility of foreign organizations
 - Solicitations can add more restrictive language



PAPPG SIGNIFICANT CHANGES (CONT'D)

- Increases the budget justification from three-page limit to five-page limit
- Implements current pilot on Collaborators and Other Affiliations (COA)
 - COA template will now mirror content of PAPPG
 - New footnotes have been added to address frequently asked questions
 - More expansive FAQs are available at:
 - https://www.nsf.gov/bfa/dias/policy/coa/faqs_coatemplate1217.pdf



PAPPG SIGNIFICANT CHANGES (CONT'D)

- Specifies that the Project Description must contain, “as a separate section within the narrative, a section labeled “Intellectual Merit.”
- Clarifies that the five year period of support in Results from Prior NSF Support means “an award with an END date in the past five years or in the future...”
- Reminds organizations that it is their responsibility to define and consistently apply the term “year” in the Senior Personnel Salaries and Wages Policy section



PAPPG SIGNIFICANT CHANGES (CONT'D)

Updated vertebrate animals coverage:

- Adds new language that reflects the new award-specific condition on organizational responsibilities for the life of the grant.
- Guidance further states that “additional IACUC approval must be obtained if the protocols for the care and use of vertebrate animals have changed substantively from those originally proposed and approved.”
- Supplements do not require a separate IACUC approval letter unless the scope of the project has substantively changed, in which case a new signed IACUC approval letter is required.



PAPPG SIGNIFICANT CHANGES (CONT'D)

Updated human subjects coverage:

- Adds language to reflect the organizational responsibilities regarding the use of human subjects for the life of the grant.
- Adds language on post-award responsibilities stating that “IRB approval must be obtained if the protocols for the use of human subjects have been changed substantively from those original proposed and approved.”
- Adds language regarding supplemental funding. Such requests do not require a separate IRB approval letter. However, if the scope of the project has been substantively changed, a new signed IRB letter is required.



PAPPG SIGNIFICANT CHANGES (CONT'D)

- Removes Exhibit VII-I, Grantee Notifications and Requests for Approval from the PAPPG.
 - Grantee Notifications are in Chapter VII.
 - Requests for Approval are in the Research Terms and Conditions, Appendix A

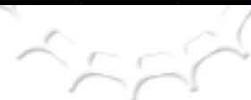


RESEARCH TERMS & CONDITIONS

APPENDIX A – PRIOR APPROVALS MATRIX

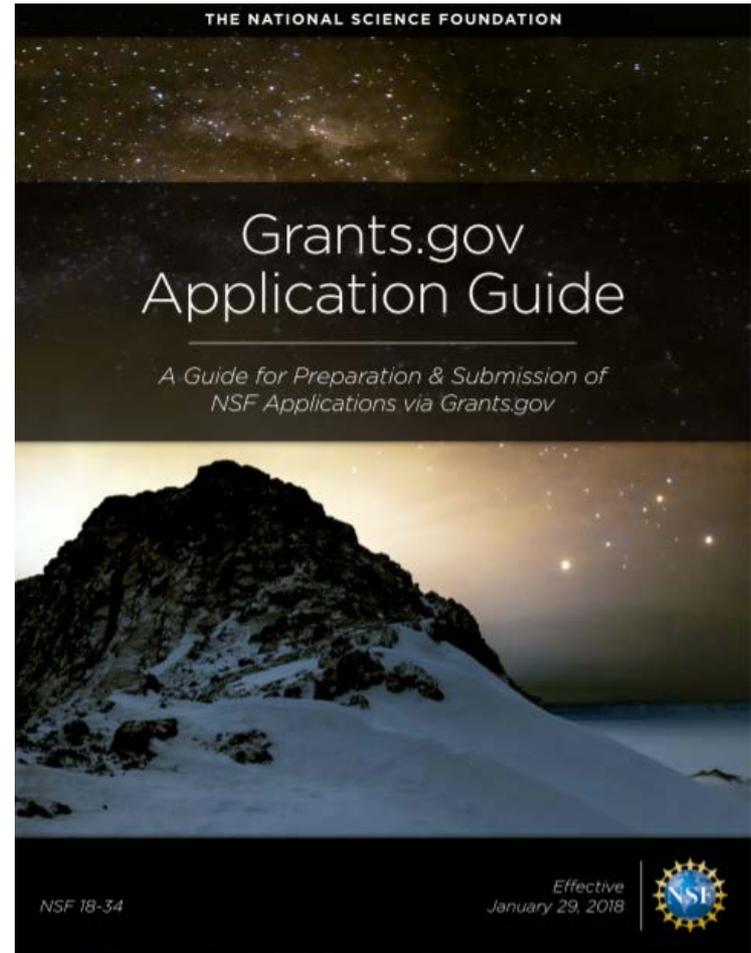
Research Terms and Conditions Appendix A Prior Approval Matrix October 1, 2017

	Reference	RTC Overlay	NSF	DOE	NIH	USDA NIFA	DOC	NASA
Prior Written Approval (prior approval)*	200.407							
Use of grant agreements (including fixed amount awards), cooperative agreements, and contracts	200.407(a)							
Changes in principal investigator (PI), project leader, project partner, or scope of effort.	200.201(b)(5)	Required	Required	Required	Required	Required	Required	Required
Cost sharing or matching	200.407(b)							
Use of unrecovered indirect costs, including indirect costs on cost sharing or matching.	200.306(c)	Waived	Waived	Waived	Waived	Waived ¹⁵	Waived	Waived
Use of current fair market value to determine the value of non-Federal entity donations of services and property for the purposes of cost sharing or matching.	200.306(d)(2)	Waived	Waived	Waived	Waived	Waived	Waived	Required
Costs of the fair market value of equipment or other capital assets and fair rental charges for land when the Federal award supports activities that require use of equipment, buildings or land.	200.306(h)(2)	Required	Required	Required	Required	Required	Required	Required
Program Income	200.407(c)							
Use of program income during the period of performance (additive method).	200.307(e)(2)	Waived	Waived	Waived	Waived ⁵	Waived	Waived	Waived ²⁰
Revision of budget and program plans	200.407(d)							
Change in the scope or the objective of the project or program.	200.308(c)(1)(i)	Required	Required	Required	Required	Required	Required	Required
Change in PI/PD specified in the application or Federal award.	200.308(c)(1)(ii)	Required	Required ¹⁴	Required	Required	Required	Required	Required
Disengagement from the project for more than three months, or a 25 percent reduction in time devoted to the project by the approved PI/PD.	200.308(c)(1)(iii)	Required	Required ¹⁴	Required	Required ⁶	Required	Required	Required ²¹
Inclusion, unless waived, of costs that require prior approval in accordance with Subpart E -- Cost Principles.	200.308(c)(1)(iv)	Required	Waived ¹	Required	Waived ⁷	Required	Required	Required
Transfer of funds budgeted for participant support costs to other categories of expense.	200.308(c)(1)(v)	Required	Required ²	Required	Waived ⁸	Required	Required	Waived ²²
Subawarding, transferring or contracting out any work under a Federal award. This provision does not apply to the acquisition of supplies, material, equipment or general purpose services.	200.308(c)(1)(vi)	Required	Required	Required	Waived ⁹	Waived ¹⁶	Required	Waived
Changes in the approved cost-sharing or matching provided by the non-Federal entity.	200.308(c)(1)(vii)	Required	Required	Required	Required	Waived ¹⁷	Required	Waived
Need for additional Federal funding to complete the project.	200.308(c)(1)(viii)	Required	Required	Required	Required	Required	Required	Required
Incur project costs 90 calendar days before the Federal awarding agency makes the award.	200.308(d)(1)	Waived	Waived	Waived	Waived	Waived	Waived	Waived
Incur project costs more than 90 calendar days pre-award.	200.308(d)(1)	Required	Required	Required	Required	Required	Required	Required
Initiate a one-time extension of the period of performance by up to 12 months.	200.308(d)(2)	Waived	Waived	Waived	Waived	Waived	Waived	Waived
Subsequent no-cost extension or extension of more than 12 months.	200.308(d)(2)	Required	Required	Required	Required	Required	Required	Required
Carry-forward of unexpended balances to subsequent funding periods.	200.308(d)(3)	Waived	Waived	Waived	Waived ¹⁰	Waived	Waived	Waived
Transfer amounts budgeted for indirect costs to absorb increases in direct costs, or vice versa.	200.308(d)(4)	Waived	Waived	Waived	Waived ¹¹	Waived	Waived	Waived
Rebudgeting among direct cost categories for Federal awards in which the cumulative amount of such transfers exceeds or is expected to exceed 10 percent of the approved budget.	200.308(e)	Waived	Waived	Waived	Waived ¹¹	Waived	Waived	Waived ^{22, 23}
Transfer of funds between construction and non-construction activities.	200.308(g)(5)	Required	Required	Required	Required	Required	Required	Required
Real Property	200.407(e)							
Encumber real property acquired with Federal funds.	200.311(b)	Required	Required	Required	Required	Required	Required	Required
Transfer of title to the Federal awarding agency or to a third party.	200.311(c)(3)	Required	Required	Required	Required	Required	Required	Required



GRANTS.GOV APPLICATION GUIDE

- Updated to align with changes to the PAPPG (NSF 18-1)
- Collaborators & Other Affiliations (COA) – Proposers instructed to use the template and upload as a PDF attachment
- Automated compliance checking does not follow the same rules as FastLane proposals



OUTREACH THE RESEARCH COMMUNITY

External Outreach



<https://nsfgrantsconferences.com/2017/12/14/pappg-update-webinar/>





Questions?

Resources

- ATE Proposal Prep Template - http://www.matecnetworks.org/webinars/pdf/ATE_Proposal_Prep_Template_2017.pdf
- Goals/Objectives/Activities/Responsibility/Evidence/Timeline Example - <https://www.atecenters.org/wp-content/uploads/2018/02/Possible-Approach-for-Depicting-Goals.pdf>

Join Us – All Webinars 3 pm Eastern

Thursday, March 8, 2018

Grant Proposal Resources, Roadmaps and Timelines (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 9, 2017 which covered the following information.

An insider's look at unique characteristics of National Science Foundation (NSF) grant funding, particularly the Advanced Technological Education (ATE) Program. Guidelines and timelines will be shared along with tips to keep in mind if you have previously been funded by NSF ATE for a smaller grant and aspire to submit a proposal for a larger scope of work. Resources specific to preparing a competitive NSF ATE grant proposal will be highlighted.

Presenters:

Elaine Craft

Director, SC ATE Center of Excellence

Elizabeth Teles

Retired, Lead Program Director NSF

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 header includes the League logo and navigation links: ABOUT, EVENTS, AWARDS, PROJECTS, INNOVATION, and COMMUNITY. Below the header, the word "INNOVATIONS" is prominently displayed. A secondary navigation bar lists: CALL FOR PROPOSALS, REGISTRATION, HOTEL & TRAVEL, SCHEDULE, EXPO & SPONSORS, and PRESENTERS. The main content area features a large photograph 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 photo, a paragraph of text reads: "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 League logo is visible in the bottom right corner of the screenshot. A footer note states: "The Innovations Conference is the foremost convening for community college professionals."

<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

- David Campbell dcampbel@nsf.gov
- Ann Beheler abeheler@collin.edu

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

WEBINAR SURVEY

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