Appendix A: IGERT Online Data Reporting System Screens

IGERT Annual Survey

September 1, 2005–August 31, 2006

Welcome to the National Science Foundation's (NSF) Integrative Graduate Education Research Traineeship (IGERT) Program online data reporting system. This system lets you, the IGERT principal investigator (PI), provide NSF with annual data on your project's progress. It is important that you provide these data in a timely fashion so that we can 1) release funds for continued implementation of the program and 2) meet our GPRA reporting responsibilities.

To enter the IGERT Web data collection system, please enter your NSF grant number and your password in the boxes below, and click on **Login.**
If you lost or did not receive your login information, please contact IGERT Help at igert@qrc.com, or call toll free at 866-227-7127. If you have forgotten your password we will email it to you if you provide your email address below.

Grant Number:

Password:

Login

The system is closed for maintenance each Wednesday from 5:30 p.m. to 7:30 p.m. eastern time.

Notice
This system will log you out after 1 hour of inactivity.
You must reenter your grant number and password to login to the IGERT survey again.

Did you forget your grant number or password?

Submit your e-mail address, and we will send them to you.

E-mail: Submit

This feature is only available if you have previously logged in to IGERT and provided us with your email address. If you have not yet provided us with your email address, please **e-mail us** at igert@qrc.com or **call toll free at** 866-227-7127.

Survey Privacy

The Federal Government has a continuing commitment to monitor its awards to identify and address any inequities based on gender, race, ethnicity, or disability of the PIs/co-PIs, trainees, or other participants. Submission of the requested information is not mandatory. If you do not wish to submit the information, please mark the checkboxes provided for this purpose on the screens that follow.

Information from this data collection system will be retained by the NSF, a Federal agency, and will be an integral part of its Privacy Act System of Records in accordance with the Privacy Act of 1974 and maintained in the Education and Training System of Records 63 Fed. Reg. 264, 272 (January 5, 1998). These are confidential files accessible only to appropriate NSF officials, their staffs, and their contractors responsible for monitoring, assessing, and evaluating NSF programs. Only data in highly aggregated form, or data explicitly requested "for general use," will be made available to anyone outside of the NSF for research purposes. Data submitted will be used in accordance with criteria established by NSF for monitoring research and education grant and in response to Public Law 99-383 and 42 USC 1885c. The Social Security number (SSN) and date of birth will be maintained in accordance with the requirements of the Privacy Act of 1974. Submission of the SSN is voluntary. It is used for survey quality control, program evaluation, and matching with other data sets maintained in the Education and Training System of Records 63 Fed. Reg. 264, 272 (January 5, 1998).

Public Burden

Submission of the requested information is voluntary. Failure to provide full and complete information, however, may reduce the possibility for continuing support through the award/project subject to this survey. Pursuant to 5 CFR 1320.5(b), an agency may not conduct or sponsor, and a person is not required to respond to an information collection unless it displays a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is 3145-0136. The public reporting burden for this collection of information is estimated to average 66 hours per award including the time for reviewing instructions. Each Principal Investigators' average reporting burden is 40 hours and each trainee's

average reporting burden is 2 hours. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Suzanne Plimpton, Reports Clearance Officer for OMB Collection 3145-0136 (IGERT Program), Facilities and Operations Branch, Division of Administrative Services, National Science Foundation, 4201 Wilson Blvd., Suite 295, Arlington, VA 22230.

OMB #3145-0136
Expires 1/31/2008

IGERT Annual Survey

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LEGEND

☐ = Please Complete ⚠ = Please Review

✔ = OK ✖ = Please Correct

Welcome, Thomas Zane **LOGOUT**

- Help & Instructions
- Trainee Monitoring
- Print Data Entered to Date
- Download Data Entered to Date
- Add Comments/Feedback

Help With This Screen

Contact Us

Survey Last Modified: February 11, 2007

Welcome to the NSF IGERT Annual Survey. We have designed this system to make it easy for you to report on your IGERT project's progress. See Help & Instructions for help getting started.

MAIN MENU

1. ✖ IGERT Project Characteristics, Highlights, and Other Information
2. ☐ IGERT Project Personnel and Trainees
3. ☐ Project Features
4. ☐ Consortial Arrangements
5. ☐ Additional Funding Sources
6. ☐ Institutional Impacts and Assessment
7. ✖ Academic Achievement
8. ☐ Trainee Survey Status
9. ☐ Send Authorized Final Submission to NSF

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IGERT Annual Survey

July 1, 2005 - June 30, 2006

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1. Project Characteristics, Highlights, and Other Information

- ✔ 1a. Project Characteristics
- ☐ 1b. Research Achievements
- ✖ 1c. Education Achievements
- ☐ 1d. Trainee Achievements
- ☐ 1e. Barriers to Implementation
- ☐ 1f. Outreach Activities
- ☐ 1g. NSF Highlights

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✔ = OK ✖ = Please Correct

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☐ 1a. Project Characteristics

Please base all responses on this reporting period.

Please indicate *up to three* NSF directorates that most closely correspond to your interdisciplinary research theme.

- ☐ BIO - Directorate for Biological Sciences
- ☐ CISE - Directorate for Computer and Information Sciences & Engineering
- ☐ ENG - Directorate for Engineering
- ☐ GEO - Directorate for Geosciences
- ☐ MPS - Directorate for Mathematical and Physical Sciences
- ☐ OPP - Office of Polar Programs
- ☐ SBE - Directorate for Social, Behavioral and Economic Sciences

Did you support any IGERT trainees during the current project year?

- ○ Yes
- ○ No

Considering the IGERT trainees as a group, how do they compare with graduate students you usually see in terms of their academic/research potential?

-- Choose One --

How do trainees in your program earn their doctoral degrees? (Mark all that apply)

- ☐ From the IGERT multidisciplinary / interdisciplinary program
- ☐ From traditional single-discipline departments
- ☐ From multidisciplinary / interdisciplinary programs, centers or units other than IGERT

☐ Other (Certificates, etc.): [ ]

Does your IGERT project include undergraduate involvement?

○ Yes
○ No

Does your IGERT project include postdoctoral involvement?

○ Yes
○ No

Indicate the amount of funds from the current year of IGERT support that will be carried over to the next year.

$ [ ] Total funds carried over to the next year.

$ [ ] Participant support costs carried over to the next year.

$ [ ] Stipends carried over to the next year.

Save Cancel

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June 1, 2006–May 31, 2007

LEGEND

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✔ = OK ✖ = Please Correct

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☐ 1b. Research Achievements

Please describe up to three interdisciplinary research achievements that demonstrate how your IGERT has been particularly effective in attaining the interdisciplinary research goals you set out to achieve during this reporting period. These might be important research findings extending knowledge in your interdisciplinary theme research area or research advances made possible through the interdisciplinary teamwork in your IGERT.

First achievement

Limit: 1000 characters

Second achievement

Limit: 1000 characters

Third achievement

Limit: 1000 characters

Save Cancel

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LEGEND

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✔ = OK ✖ = Please Correct

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☐ 1c. Education Achievements

Please describe up to three achievements that illustrate exceptional "added value" to the trainees' educational experience during this reporting period. Please focus on overall programmatic achievements rather than achievements of individual trainees.

First achievement

Limit: 1000 characters

Second achievement

Limit: 1000 characters

Third achievement

Limit: 1000 characters

Save Cancel

IGERT Annual Survey

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LEGEND

= Please Complete | = Please Review

= OK | = Please Correct

Welcome, Thomas Zane **LOGOUT**

1d. Trainee Achievements

Please describe up to three research or education achievements, involving either a single trainee or a group of trainees, made possible through the participation of trainees in your IGERT project during this reporting period.

First achievement

Limit: 1000 characters

Second achievement

Limit: 1000 characters

Third achievement

Limit: 1000 characters

Save Cancel

IGERT Annual Survey

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LEGEND

= Please Complete | = Please Review

= OK | = Please Correct

Welcome, Thomas Zane **LOGOUT**

1e. Barriers to Implementation

Please identify and describe up to three key barriers you have encountered in the process of implementing your IGERT during this reporting period. For each barrier identified, briefly describe how your project has responded. (Please use a separate text box for each response.)

FIRST BARRIER

Issue / challenge

Limit: 1000 characters

Response

Limit: 1000 characters

SECOND BARRIER

Issue / challenge

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Limit: 1000 characters

Response

Limit: 1000 characters

THIRD BARRIER

Issue / challenge

Limit: 1000 characters

Response

Limit: 1000 characters

Save Cancel

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LEGEND

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✔ = OK ✖ = Please Correct

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☐ 1f. Outreach Activities

Please report any outreach activities involving your IGERT that occurred during this reporting period. Outreach activities include your IGERT, IGERT faculty and/or IGERT Trainees being featured on TV, radio, in magazine articles or otherwise in the media; talks, presentations, workshops given by IGERT faculty, trainees and/or associates to school groups, civic groups, non-scientifically based professional groups, members of the government or the general public.

OUTREACH ACTIVITIES

New York Times Interview, May 15, 2006

Report an outreach activity »

Done with Outreach Activities

Examples of brief descriptions of outreach activities:

- IGERT faculty interviewed by John Doe for Bink-Bink Public radio about sending students to the sun and the moon; aired June 24, 2006;
- IGERT Program featured in Discovery Channel Television show "Mad Science" shown in US and Canada, September 2006;
- Article in the New York Times Science section with interviews of IGERT Trainees on "What Works in the Making of a Scientist", published May 15, 2006;
- Presentation on the science of the sun and stars given by IGERT Trainees to the Greater Bink-Bink Chamber of Commerce, May 2006;
- Workshop with the 4th grade class of Bink-Bink Elementary School on the Stars, the

Moon and you conducted by IGERT Trainees; December 10, 2006)

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LEGEND

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✔ = OK ✖ = Please Correct

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☐ Report Outreach Activity

Provide a short title for this activity

Name of media outlet or organization for which outreach was done

Date of activity

Briefly describe this activity, including the type of the activity and the names of individuals within IGERT who were involved.

Limit: 250 characters

Save Cancel

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LEGEND

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✔ 1g. NSF Highlights

Each year, NSF program officers are asked to write "Highlights" (formerly known as "Nuggets") on the results of NSF research and education awards. These Highlights are used to help assess the Foundation's performance in attaining the strategic outcome goals outlined in the NSF 2006-2011 Strategic Plan and to share successes with various groups.

Your Highlight will probably relate to one of the achievements reported in sections 1b, c or d, but in greater detail and with images. When writing your Highlight please clearly describe how the interdisciplinary theme of your IGERT made this work possible – as distinct from what might have been possible through only single discipline research or education grant. Also, please write the Highlight such that a general audience can grasp the importance, value and merit of the research, the educational outreach or whatever results you are Highlighting.

Starting with a statement of what the research team has achieved and why it is important and then going on to explain what problem is being solved or obstacle is being overcome or new discovery that was made is a great way to write a Highlight for maximum communication.

Reporting Highlights is related to requirements under the Government Performance and Results Act (GPRA).

Please respond only if you have something appropriate to share for this reporting period.

HIGHLIGHTS

✔ **Working Group to Explore Technology Transfer Mechanisms**

Images: Alexi and Kids, Green Cells

Add image to this highlight »

✔ **Collaborative 'Zipper Frame' Project Lessons**

Add image to this highlight »

Report a new Highlight »

Done with Highlights

Guidelines for Writing Highlights

- **Write for a general audience.** Common uses for highlights include the following: program monitoring by NSF staff; reporting to Congress on NSF goal attainment; demonstrating achievements in the NSF's annual Budget Requests, Performance and Accountability Reports (PAR), and other documents; and providing information for the general public, Well-written, informative highlights submitted here may serve several purposes and thereby eliminate duplicate writing efforts later.
- **Include images.** Why are images important? NSF highlights and images are used not only by the Advisory Committee for GRPA Performance Assessment, but also for illustration in the Foundation's annual Budget Requests, Performance and Accountability Reports (PAR), and other documents. Clear, colorful images (pictures, graphs, charts, etc.) greatly enhance the value of highlights and often tell a story by themselves.
- **Provide sufficient information** to describe the research and the results so that the IGERT Program Officers can make the determination whether or not a specific objective (and therefore, outcome goal) was met and its most valuable use.
- **Start with a statement of what the research team has achieved,** and only then go on to explain why it solves a problem or overcomes an obstacle. Do not start with a lengthy explanation of the problem to be solved. Example: "Prof. Blivett and her team at the University of Eutaw have discovered/achieved/developed XYZ. This was hard/remarkable/useful/world-changing because … or this seminal development could lead to practical applications in …"
- **Include the location and/or lead institution** for the research and the names of all principal investigators.
- **Include an explicit statement that NSF is supporting this work** (this can usually be done very quickly in passing, e.g., "NSF-funded researchers at Stanford University have demonstrated …", or "Astronomers working at NSF's Gemini Observatory have discovered…")
- **Spell out NSF program names**, (e.g. not everyone knows what an IGERT is.) Again, be sure to spell out acronyms. Better: spell out "The Center for Advanced Blivitivity" on

the first mention, and thereafter refer to "the center", or "the blivitivity center."

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☐ Report Highlight

Provide a descriptive title for this highlight

Please indicate the primary and secondary NSF strategic goal(s) that best describe the highlight

NSF STRATEGIC GOALS	PRIMARY	SECONDARY
Discovery: Foster research that will advance the frontiers of knowledge, emphasizing areas of greatest opportunity and potential benefit and establishing the nation as a global leader in fundamental transformational science and engineering.	○	○
Learning: Cultivate a world-class, broadly inclusive science and engineering workforce, and expand the scientific literacy of all citizens.	○	○
Research Infrastructure: Build the nation's research capability through critical investments in advanced instrumentation, facilities, cyber infrastructure and experimental tools.	○	○

Describe the achievement / result that is the Highlight

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(Limit: 6000 characters)

How does this activity address the primary and secondary NSF Strategic Goals you indicated above?

(Limit: 6000 characters)

Save | Save and Add Images | Cancel

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LEGEND

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✔ = OK ✖ = Please Correct

Welcome, Thomas Zane **LOGOUT**

☐ Add Highlight Image

Provide a descriptive title for this image

Upload Image File

browse

Does NSF have permission to use this image?

- ○ Yes
- ○ No

Image credits (required only if you answered Yes to the previous question)

Description of image (optional)

Save | Save and Add Another Image | Cancel

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✔ = OK ✖ = Please Correct

Welcome, Thomas Case **LOGOUT**

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? Help With This Screen

2. IGERT Project Personnel and Trainees

PERSONNEL AND TRAINEE DETAILS

PI

☐ Case, Thomas

Co-PIs and Advisors
Remember to update contact information for your Co-PIs and advisors!

☐ Drake, Donald

Add Co-PI or Advisor

Trainees
(Students who receive funding from the IGERT project. More..)

✔ Flynn, Michael

☐ Guifang, Li

✔ Monroe, DEFtwo

Add Trainee

Associates
(Graduate students participating in your IGERT project but not funded by IGERT. More..)

✖ Jones, Jimmy

Add Associate

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2. IGERT Project Personnel and Trainees: Principal Investigator Data

PRINCIPAL INVESTIGATOR

First Name: Thomas

Middle Initial:

Last Name: Case

Project Years Active: Mark the checkbox if Thomas Case served as PI for the current project year.

☐ 2005-2006 Project Year

CONTACT INFORMATION

Institution Name: University of Virginia

Title: Professor

Department at Institution:	Chemistry
Address at Institution:	14 Wheeler Street
Institution's City:	Blacksburg
Institution's State, ZIP Code:	VA , 02022
Phone (xxx-xxx-xxxx):	703-501-1212 **Extension:**
Fax (xxx-xxx-xxxx):	
E-mail Address:	tcase@qrc.com
Web URL:	

ETHNICITY

(Choose one.)

- ○ Hispanic or Latino
- ○ Not Hispanic or Latino
- ○ Not Reported

RACE

(Choose one or more.)

- ☐ American Indian or Alaska Native
- ☐ Asian
- ☑ Black or African American

- [ ] Native Hawaiian or Other Pacific Islander
- [ ] White
- [ ] Not Reported

GENDER

(Choose one.)

- (•) Male
- ( ) Female
- ( ) Not Reported

DISABILITY STATUS

(Choose one or more.)

- [ ] Hearing Impairment
- [ ] Visual Impairment
- [ ] Mobility/Orthopedic Impairment
- [ ] Other:
- [x] None
- [ ] Not Reported

CITIZENSHIP

(Choose one.)

- (•) U.S. Citizen/U.S. National
- ( ) U.S. Permanent Resident

- Other Non-U.S. Citizen
- Not Reported

Save Cancel

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2. IGERT Project Personnel and Trainees: Co-PI or Trainee/Associate Advisor Data

CO-PI

First Name:

Middle Initial:

Last Name:

Project Years Active: Mark the checkbox if the individual served as Co-PI or Trainee/Associate Advisor for the current project year.

☐ 2005-2006 Project Year

Role in Project: (Mark all that apply.) ☐ Co-PI ☐ Trainee/Associate Advisor

CONTACT INFORMATION

Institution Name:

Title:

Department at Institution:

Address at Institution:

Institution's City:

Institution's State, ZIP Code: ,

Phone (xxx-xxx-xxxx): **Extension:**

Fax (xxx-xxx-xxxx):

E-mail Address:

Web URL:

Current IGERT Advisor:

ETHNICITY

(Choose one.)

- Hispanic or Latino
- Not Hispanic or Latino
- Not Reported

RACE

(Choose one or more.)

- [ ] American Indian or Alaska Native
- [ ] Asian
- [ ] Black or African American
- [ ] Native Hawaiian or Other Pacific Islander
- [ ] White
- [ ] Not Reported

GENDER

(Choose one.)

- ( ) Male
- ( ) Female
- ( ) Not Reported

DISABILITY STATUS

(Choose one or more.)

- [ ] Hearing Impairment
- [ ] Visual Impairment
- [ ] Mobility/Orthopedic Impairment
- [ ] Other:
- [ ] None
- [ ] Not Reported

CITIZENSHIP

(Choose one.)

- U.S. Citizen/U.S. National
- U.S. Permanent Resident
- Other Non-U.S. Citizen
- Not Reported

Save Cancel

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Welcome, Thomas Case **LOGOUT**

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? Help With This Screen

2. IGERT Project Personnel and Trainees: Trainee Data

Note: Information that your trainees and Associates provide will not be available to you. However, you will have access to a monitoring system that allows you to see the progress of their submissions, i.e., which sections they have successfully completed.

TRAINEE INFORMATION

First Name:

Middle Initial:

Last Name:

E-mail Address:

Project Years Active: Mark the checkbox if the trainee was supported by IGERT funds during the current project year

☐ 2005-2006 Project Year

Number of Months Funded: If the trainee was supported by IGERT funds during the current project year, provide the number of months for which support was received.

[ ] Number of months funded.

Current IGERT Advisor(s)

As reported by trainee – None Listed

VERIFY IGERT - REQUIRED CITIZENSHIP/RESIDENCY STATUS

- ○ Yes, the trainee is a U.S. citizen/U.S. national or U.S. permanent resident.
- ○ No, the trainee does not meet IGERT citizenship requirements..
  If not, why not? [ ]

Please enter the requested information for the IGERT trainee

GRE SCORES

[ ] Verbal
[ ] Quantitative
[ ] Analytical

[ ] Subject: Select GRE Subject

IGERT TRAINEES

Indicate when the trainee first enrolled in graduate study in an IGERT department: [ ] (mm/yyyy)

Indicate when the trainee first began receiving
NSF IGERT funding: (mm/yyyy)

Did the trainee obtain a Ph.D. associated with the IGERT project?
Note: Do not project answers. Yes No

Year Ph.D. received: (mm/yyyy)

Employment status in the year following receipt of the Ph.D.:

IGERT TRAINEES NOT RECEIVING A DEGREE

Did the trainee stop pursuing a Ph.D. associated with the NSF IGERT project?

When did the trainee stop pursuing a Ph.D. associated with IGERT? (mm/yyyy)

Before leaving the program, did the trainee receive a terminal master's degree?

Why did pursuit of the Ph.D. stop?

Primary employment/education status after noncompletion of a Ph.D.:

Save Cancel

IGERT Annual Survey

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2. IGERT Project Personnel and Trainees: Associate Data

Note: Information that your trainees and Associates provide will not be available to you. However, you will have access to a monitoring system that allows you to see the progress of their submissions, i.e., which sections they have successfully completed.

ASSOCIATE INFORMATION

First Name:

Middle Initial:

Last Name:

E-mail Address:

Project Years Active: Mark the checkbox if the associate participated in the IGERT project during the current project year.

☐ 2005-2006 Project Year

Current IGERT Advisor(s)

As reported by associate – None Listed

Please enter the requested information for the IGERT associate

GRE SCORES

Verbal

Quantitative

Analytical

Subject: Select GRE Subject

IGERT ASSOCIATES

Indicate when the associate first enrolled in graduate study in an IGERT department: (mm/yyyy)

Indicate when the associate first participated in the IGERT project (mm/yyyy)

Did the associate obtain a Ph.D. associated with the IGERT project?
Note: Do not project answers. Yes No

Year Ph.D. received: (mm/yyyy)

Employment status in the year following receipt of the Ph.D.:

IGERT ASSOCIATES NOT RECEIVING A DEGREE

Did the associate stop pursuing a Ph.D. associated with the NSF IGERT project?

When did the associate stop pursuing a Ph.D. associated with IGERT? (mm/yyyy)

Before leaving the program, did the associate receive a terminal master's degree?

Why did pursuit of the Ph.D. stop?

Primary employment/education status after noncompletion of a Ph.D.:

Save Cancel

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LEGEND

☐ = Please Complete ⚠ = Please Review

✔ = OK ✖ = Please Correct

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3. Project Features

- ☐ a. Recruitment Strategies
- ☐ b. Preparation in Communication and Teamwork
- ☐ c. Preparation To Conduct High-Quality Research
- ☐ d. Preparation for Careers in Industry, Government, or the Public Sector
- ☐ e. Preparation for Faculty Positions
- ☐ f. International Opportunities
- ☐ g. Other Structural Components

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3a. IGERT Recruitment Strategies

Your responses from last year have been preloaded on this screen. Please add strategies newly adopted in the current reporting year and delete strategies you are no longer using.

RECRUITMENT STRATEGIES USED BY THE IGERT PROJECT

☐ Please check if no recruitment strategies were used by IGERT during the current reporting period.

(Mark only those strategies you believe have been successful in attracting applicants.)

Used by IGERT	Developed by IGERT	Strategy Type
☑	☐	Distribute brochures, posters, or other nonelectronic media citing NSF IGERT
☑	☐	Place ads in scholarly journals or electronic media (e.g., Web, e-mail) citing NSF IGERT
☑	☑	Promote the NSF IGERT project at national meetings and/or graduate student fairs
☐	☐	Recruit from summer programs around the country
☐	☐	Use faculty personal contacts to identify and attract prospective trainees
☐	☐	Invite prospective trainees to visit the IGERT project on campus and support these visits
☐	☐	Recruit undergraduate/graduate students already enrolled

at the IGERT institution

- ☐ ☐ Pay informational visits to predominantly undergraduate institutions
- ☐ ☐ Recruit through women's science and engineering organizations
- ☐ ☐ Recruit through minority science and engineering organizations
- ☐ ☐ Pay informational visits to women's colleges
- ☐ ☐ Pay informational visits to minority colleges
- ☐ ☐ Seek recruits through national institutional initiatives (e.g., McNair, AMP)
- ☐ ☐ Seek recruits through initiatives that focus on minority enrollment in graduate programs (e.g., QEM[1] ,NACME[2] ,GEM[3])
- ☐ ☐ Seek applicants from institutional initiatives that may exist in regional State universities, private colleges, or community colleges
- ☐ ☐ Ensure that entry requirements do not unnecessarily exclude prospective students
- ☐ ☐ Offer competitive stipends and other support to prospective trainees
- ☐ ☐ Offer undergraduate exchange programs with historically black colleges and universities (HBCUs)
- ☐ ☐ Offer a Research Experiences for Undergraduates (REU) program at your institution
- ☐ ☐ Recruit through the IGERT National Recruitment Program managed by the University of Michigan team (www.igert.org)
- ☐ ☐ Other recruitment strategies

Please specify: _____

In the text box below, expand on those strategies identified above that have been implemented in an interesting or unusual way or have proven unusually successful in attracting in applicants. Also, discuss particular challenges you have encountered in recruiting for your IGERT program.

[1] QEM = Quality Education for Minorities

[2] NACME = National Council for Minorities in Engineering

[3] GEM = Graduate Education for Minorities (National Consortium for Graduate Degrees for Minorities in Engineering and Science Inc.)

Save Cancel

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Welcome, Thomas Case **LOGOUT**

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3b. IGERT Preparation in Communication and Teamwork

Include only those activities that took place during the current reporting period.

TRAINEE PREPARATION IN COMMUNICATION AND TEAMWORK PROVIDED BY THE IGERT PROJECT

☐ Please check if this Approach was not used by the IGERT project during the current reporting period.

(Mark all that apply.)

Used by IGERT	Developed by IGERT	Trainee Preparation Activity Type
☐	☐	Trainees take coursework/training that includes regular faculty critique of and feedback on professional writing.
☐	☐	Trainees take coursework/training (e.g., brown bags, seminars) that include regular faculty critique of and feedback on professional speaking/presentation skills.
☐	☐	Trainees receive experience in communication across disciplinary boundaries and with different audiences.
☐	☐	Trainees participate as members of teams engaged in joint educational and/or research efforts.
☐	☐	Trainees attend and/or make presentations at professional conferences.
☐	☐	Trainees publish research papers in refereed journals before receiving their P.h.D. (In general, [▼] such articles are expected.)

☐ ☐ Other preparation in communication and teamwork

Please specify:

In the text box below, expand on the activities identified above that you have found to be particularly effective in enhancing trainees' communication and teamwork skills.

Save Cancel

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3c. IGERT Preparation To Conduct High-Quality Research

Include only those activities that took place during the current reporting period.

TRAINEE PREPARATION TO CONDUCT HIGH-QUALITY RESEARCH PROVIDED BY THE IGERT PROJECT

☐ Please check here if these activities were not used by the IGERT project during the current reporting period.

(Mark all that apply.)

Used by IGERT	Developed by IGERT	Trainee Preparation Activity Type
☐	☐	Trainees have coursework/training in research methods.
☐	☐	Trainees have coursework/training in statistics.
☐	☐	Trainees have coursework/training in the ethical conduct of research.
☐	☐	Trainees have coursework/training in state-of-the-art instrumentation.
☐	☐	Other preparation to conduct high-quality research

Please specify: _____

In the text box below, expand on the activities identified above that you have found to be particularly effective in enhancing trainees' capacity to conduct high-quality research.

Save Cancel

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3d. IGERT Preparation for Careers in Industry, Government, or the Public Sector

Include only those activities that took place during the current reporting period.

TRAINEE PREPARATION FOR CAREERS IN INDUSTRY, GOVERNMENT, OR THE PUBLIC SECTOR PROVIDED BY THE IGERT PROJECT

☐ Please check here if these activities were not used by the IGERT project during the current reporting period.

(Mark all that apply.)

Used by IGERT	Developed by IGERT	Trainee Preparation Activity Type
☐	☐	Trainees participate in research projects involving multiple disciplines.
☐	☐	Trainees participate in team research efforts.
☐	☐	Trainees participate in any application of research to industry or public policy.
☐	☐	Trainees have experience in communicating across disciplines and/or with different audiences (including the general public).
☐	☐	Trainees have educational interactions (e.g., courses, workshops, seminars) with government/public sector or industry professionals.
☐	☐	Trainees have research interactions with government/public sector or industry professionals (other than internships).
☐	☐	Trainees have internships (off-campus work experiences of one month or more) in government/public sector or industry settings.

☐ ☐ Other preparation for careers in industry, government, or the public sector

Please specify:

In the text box below, expand on the activities identified above that you found to be especially effective in preparing trainees for careers in industry, government, or the public sector.

Save Cancel

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3e. IGERT Preparation for Faculty Positions

Include only those activities that took place during the current reporting period.

TRAINEE PREPARATION FOR FACULTY POSITIONS PROVIDED BY THE IGERT PROJECT

☐ Please check here if these activities were not used by the IGERT project during the current reporting period.

(Mark all that apply.)

Used by IGERT	Developed by IGERT	Trainee Preparation Activity Type
☐	☐	Trainees receive instruction (e.g., courses, workshops) in effective teaching practices.
☐	☐	Trainees serve as teaching assistants.
☐	☐	Trainees serve as official mentors to students (graduate, undergraduate, or high school).
☐	☐	Trainees complete teaching exercises supervised by IGERT or other faculty.
☐	☐	Trainees develop course and/or curriculum materials.
☐	☐	Trainees serve as full instructors (i.e., unsupervised preparation, teaching, and grading for a course).
☐	☐	Trainees receive special instruction (e.g., courses, workshops) on how to advise and mentor students.

☐ ☐ Trainees receive instruction on how to apply advanced technology in the classroom.

☐ ☐ Other activities to prepare trainees for faculty positions

Please specify:

In the text box below, expand on the activities identified above that you have found to be particularly effective in preparing trainees for faculty positions.

Save Cancel

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3f. IGERT International Opportunities

Include only those activities that took place during the current reporting period.

INTERNATIONAL OPPORTUNITIES PROVIDED BY THE IGERT PROJECT

☐ Please check here if these activities were not used by the IGERT project during the current reporting period.

(Mark all that apply.)

Used by IGERT	Developed by IGERT	Trainee Preparation Activity Type
☐	☐	Trainees attend international meetings/conferences.
☐	☐	Trainees work with private companies outside the United States.
☐	☐	Trainees work with foreign scientists/engineers outside the United States (e.g., in a university/research setting (public or private sector) or doing field research).
☐	☐	Trainees work with foreign scientists/engineers (e.g., students, faculty, other researchers) inside the United States in a university/research setting (public or private sector).
☐	☐	Other trainee opportunities for international experience

Please specify: [ ]

MOST VALUABLE TRAINING EXPERIENCES

Briefly identify up to three training experiences or components that provided exceptional "added value" for preparing IGERT trainees to be successful in International STEM.

First Training Experience or Component

(Limit: 1000 characters)

Second Training Experience or Component

(Limit: 1000 characters)

Third Training Experience or Component

(Limit: 1000 characters)

RESULTING ACHIEVEMENTS

Briefly identify up to three research or educational achievements resulting from the International component. Each achievement may involve a single trainee or a group of trainees.

First Achievement

(Limit: 1000 characters)

Second Achievement

(Limit: 1000 characters)

Third Achievement

(Limit: 1000 characters)

Save Cancel

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3g. IGERT Other Structural Components

Please enter the information requested on any structural components (whose goals are to enhance the educational and/or research experience of IGERT trainees) provided by the IGERT project that have not been described on the previous screens. Include only those activities that took place during the current reporting period.

OTHER STRUCTURAL COMPONENTS PROVIDED BY THE IGERT PROJECT

☐ Please check here if these activities were not used by the IGERT project during the current reporting period.

(Mark all that apply.)

Used by IGERT	Developed by IGERT	Activity Type
☐	☐	Other structural components that enhance the educational and/or research experience of the trainees (You must specify the components in the text box below.)

In the text box below, describe 1) the type of structural component, 2) how the activity promotes the IGERT project's goals, and 3) the overall impact on or effectiveness in achieving the project's goals.

Save Cancel

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4. Consortial Arrangements

☐ Unknown Consortial Arrangement

Add a Consortial Arrangement

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4. Consortial Arrangements

Was this consortial arrangement active during the current reporting period? ○ Yes ○ No

Institution/Partner Name:

CONSORTIAL ARRANGEMENT TYPE

(Mark all that apply.)

- ☐ Consortial partnership with a Ph.D.-granting institution
- ☐ Consortial partnership to increase participation by individuals from underserved populations
- ☐ Consortial partnership with a non-Ph.D.-granting institution

CONSORTIAL ACTIVITIES

(Mark all that apply.)

- ☐ **Facilities:** IGERT project staff use a partner organization's facilities for project activities.
- ☐ **Collaborative Research:** Partner organization's staff work with IGERT project staff on collaborative research/teaching.
- ☐ **Personnel Exchange:** IGERT project staff and/or partner organization staff use each other's facilities, or work at each other's site.

Choose Partner Type:

In the text box below, please describe how during the current reporting period, this arrangement 1) promoted the IGERT project's goals and 2) impacted trainees and/or the IGERT department(s) overall. (word limit: 500)

Save Cancel

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5. Additional Funding Sources

☐ Texas Tech University

Add an Additional Funding Source

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5. Additional Funding Sources

Was this additional funding source active during the current reporting period? ○ Yes ○ No

Funding Source Name:

Choose Funding Source Type:

Actual Funding Dollars for the Current Reporting Period: $

Estimated Value of In-Kind Dollars for the Current Reporting Period: $

In the text box below, please describe how during the current reporting period, this funding source 1) promoted the IGERT project's goals and 2) impacted trainees and/or the IGERT department(s) overall. (word limit: 500)

Save Cancel

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6. Institutional Impacts and Assessment

- ☐ a. Impacts (New Offerings, Requirements)
- ☐ b. Impacts (Institutionalization)
- ☐ c. Impacts on Faculty
- ☐ d. Assessment

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6a. IGERT Impacts (New Offerings, Requirements)

Include only those impacts identified during the current reporting period.

NEW COURSE OFFERINGS, REQUIREMENTS

Count for Current Project Year	(Include counts for all that apply.) Institutional Impact Type Developed During the Current Project Year
	Interdisciplinary/multidisciplinary courses developed for the IGERT project
	Other courses developed for the IGERT project (e.g., ethics, statistics, reinforcement in particular disciplines)
	New course requirements, specifically for the IGERT Ph.D. program
	New seminar series, workshops, and/or conferences resulting from the IGERT project
	New IGERT-inspired multidisciplinary offering in university programs other than the IGERT program
	Other (Please specify):

Save _ Cancel

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6b. IGERT Impacts (Institutionalization)

Please enter the information requested on your experience with institutionalization and plans for institutionalization. Include only those impacts identified or plans made during the current reporting period.

WHAT IGERT FEATURES HAVE BEEN INSTITUTIONALIZED?

(Mark all that apply.)

- ☐ No IGERT features have been institutionalized during the current reporting period.
- ☐ New entrance requirements
- ☐ New paradigms for graduate student assessment or advancement to candidacy
- ☐ New procedures or activities that reduce barriers to multidisciplinary/interdisciplinary training and research
- ☐ New paradigms for integrating research and education at the graduate level
- ☐ Other (please specify): _____

PLANS FOR INSTITUTIONALIZATION

Do you intend to maintain part or all of this IGERT project beyond its 5-year funding period?

○ Yes ○ No

If yes, what steps have you taken toward this goal? (Mark all that apply.)

- [ ] No steps were taken during the current reporting period
- [ ] Written plans for continuation by IGERT leadership
- [ ] Worked with administration and/or funding sources
- [ ] Planned for continuation of IGERT initiatives, concepts, and/or collaborations
- [ ] Other steps taken toward maintaining IGERT beyond the 5-year funding period

Please specify:

Save Cancel

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6c. IGERT Impacts on Faculty

Include only those impacts identified during the current reporting period.

IMPACTS ON FACULTY

The following changes in faculty activities can occur as a result of participation in the IGERT project. Please mark those for which you have seen changes in one or more of the participating faculty.

CHANGES IN FACULTY ACTIVITIES

(Mark all that apply.)

- ☐ There were no changes in IGERT faculty activities during the current reporting period.
- ☐ Faculty increased their participation in non-home-discipline meetings, conferences, and similar activities.
- ☐ Faculty are teaching new courses that cross traditional disciplinary boundaries.
- ☐ Faculty are using new pedagogical approaches.
- ☐ Faculty are team-teaching courses across disciplines more often.
- ☐ Faculty are sharing mentorship of students (other than membership on dissertation committees) across disciplines more often.
- ☐ Faculty are participating on multidisciplinary dissertation committees more often.
- ☐ Faculty are jointly authoring papers across disciplines more often.

- [ ] Faculty are members of multidisciplinary teams winning new grant support more often.
- [ ] Other faculty activities that indicategrowth stimulated by participation in the IGERT project

Please specify:

Save Cancel

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6d. IGERT Assessment

The IGERT Performance Assessment should tie goals and objectives to indicators and specific measurements for assessing progress toward the achievement of goals.

WHO PERFORMED YOUR PROJECT ASSESSMENT?

(Mark all that apply.)

- ☐ The PI of the IGERT project
- ☐ An individual or group of IGERT participants (other than the PI)
- ☐ An individual or group within your university but not in a department that is a part of the research focus of your IGERT project
- ☐ An individual or group outside your university (e.g., an external evaluator, an advisory committee of peer scientists)
- ☐ Other (Please specify): _____

WHAT METHODS HAVE BEEN A PART OF YOUR PROJECT ASSESSMENT?

(Mark all that apply.)

- ☐ Informal feedback from trainees and faculty to the PI or faculty serving on an assessment or management committee
- ☐ Annual or more frequent meetings of project faculty members serving on an assessment committee
- ☐ Annual or more frequent meetings of project participants to discuss project management and problems in program implementation or function

- [ ] Annual or more frequent surveys of trainees to learn about their concerns
- [ ] Annual or more frequent surveys of participating faculty members to learn about their concerns
- [ ] Ongoing observation by an external evalutor of project governance meetings and activities
- [ ] Annual or more frequent site visits by an advisory committee or external evaluator that included interviews of trainees and faculty and observations of classes, seminars, and laboratories
- [ ] A means for feedback from the evaluator/evaluating group to be received, disseminated to all members of the project, and acted upon
- [ ] Other (Please specify):

Save Cancel

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✔ = OK ✖ = Please Correct

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7. Academic Achievement

Please provide information on any academic achievements emanating from your IGERT project to which you (the PI) or any other personnel or trainees (co-PI or advisor, trainees, associates) associated with your IGERT project contributed during the current reporting period.

- ☐ a. Journal Articles in Refereed Publications
- ☐ b. Journal Articles in non-Refereed Publications
- ☐ c. Books
- ☐ d. Book Chapters
- ☐ e. Patent Applications
- ☐ f. Patents Awarded
- ☐ g. Conference Publications
- ☐ h. Conference Presentations

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7a. Journal Articles in Refereed Publications

Add Journal Articles in Refereed Publications >>

☐ Please mark the checkbox if you do not have any Journal Articles in Refereed Publications to report then click on the **Save** button

Save Cancel

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7a. Journal Articles in Refereed Publications

Article Title:

Publication Name:

Volume:

Number:

Year:

Pages:

Save and Enter Authors ... Cancel

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Enter/Edit Authors

Authors: Please select the authors from the list below. Enter the name of any authors who is not in the list and **not** associated with the IGERT project.

Note: Select/enter authors in the order in which they appear in the citations.

Citation Order	Select authors from the list below	Enter non-IGERT authors below: First Name	MI	Last Name
1.	Case, Thomas (PI)			
2.	Guifang, Li (Trainee)			
3.	Select Author 3			
4.	Select Author 4			
5.	Select Author 5			
6.	Select Author 6			
7.	Select Author 7			
8.	Select Author 8			
9.	Select Author 9			
10.	Select Author 10			

Save _ Add more authors _ Cancel

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7b. Journal Articles in non-Refereed Publications

Add Journal Articles in non-Refereed Publications >>

☐ Please mark the checkbox if you do not have any Journal Articles in non-Refereed Publications to report then click on the **Save** button

Save Cancel

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7b. Journal Articles in non-Refereed Publications

Article Title:

Publication Name:

Volume:

Number:

Year:

Pages:

Save and Enter Authors ... Cancel

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7.	Select Author 7			
8.	Select Author 8			
9.	Select Author 9			
10.	Select Author 10			

Save _ Add more authors _ Cancel

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7c. Books

Add Books >>

☐ Please mark the checkbox if you do not have any Books to report then click on the **Save** button

Save Cancel

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7c. Books

Book Title:

Publisher:

Year:

ISBN#:

Save and Enter Authors ... Cancel

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4.	Select Author 4			
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6.	Select Author 6			
7.	Select Author 7			
8.	Select Author 8			
9.	Select Author 9			
10.	Select Author 10			

Save _ Add more authors _ Cancel

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7d. Book Chapters

Add Book Chapters >>

☐ Please mark the checkbox if you do not have any Book Chapters to report then click on the **Save** button

Save Cancel

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7d. Book Chapters

Chapter Title:

Book Title:

Editor(s):

First Name	Last Name

Publisher:

Year:

ISBN#:

Save and Enter Authors ... Cancel

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Save _ Add more authors _ Cancel

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7e. Patent Applications

Add Patent Applications >>

☐ Please mark the checkbox if you do not have any Patent Applications to report then click on the **Save** button

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7e. Patent Applications

Patent Title:

Application Number:

Application Date: (mm/dd/yyyy)

Save and Enter Authors ... Cancel

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9.	Select Author 9			
10.	Select Author 10			

Save _ Add more authors _ Cancel

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7f. Patents Awarded

Add Patents Awarded >>

☐ Please mark the checkbox if you do not have any Patents Awarded to report then click on the **Save** button

Save Cancel

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7f. Patents Awarded

Patent Title:

Award Number:

Award Date: (mm/dd/yyyy)

Save and Enter Authors ... Cancel

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Save _ Add more authors _ Cancel

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7g. Conference Publications

Add Conference Publications >>

☐ Please mark the checkbox if you do not have any Conference Publications to report then click on the **Save** button

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7g. Conference Publications

Paper Title:

Conference Name:

Year:

Pages:

Save and Enter Authors ... Cancel

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9.	Select Author 9			
10.	Select Author 10			

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7h. Conference Presentations

Add Conference Presentations >>

☐ Please mark the checkbox if you do not have any Conference Presentations to report then click on the **Save** button

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? Help With This Screen

7h. Conference Presentations

Presentation Title:

Conference Name:

Date: (mm/dd/yyyy)

City:

State: Select State

Country:

Organization:

Save and Enter Authors ... Cancel

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? Help With This Screen

Enter/Edit Authors

Authors: Please select the authors from the list below. Enter the name of any authors who is not in the list and **not** associated with the IGERT project.

Note: Select/enter authors in the order in which they appear in the citations.

Citation Order	Select authors from the list below	Enter non-IGERT authors below: First Name	MI	Last Name
1.	Case, Thomas (PI)			
2.	Guifang, Li (Trainee)			
3.	Select Author 3			
4.	Select Author 4			
5.	Select Author 5			
6.	Select Author 6			
7.	Select Author 7			
8.	Select Author 8			
9.	Select Author 9			
10.	Select Author 10			

Save _ Add more authors _ Cancel

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LEGEND
= Final Submission Complete
= Final Submission Not Complete

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8. Trainee and Associate Survey Monitoring

Your trainees must complete their surveys before you can submit your data to NSF. Use this screen to notify trainees that the survey is open, check their progress, and reopen their surveys if necessary.

Be sure that you have entered all of the project advisors for Question 2 before notifying your trainees; they will need advisor data in order to complete their surveys.

If you want to send e-mail to an individual, whose e-mail address is not listed here, please enter the address in the corresponding box.

Data elements collected on the Trainee survey (Word: 108 kb)

TRAINEE MONITORING

Survey Status	Name	E-mail	Notify	Date Notified	Reopen
✔	Flynn, Michael G	klkjljlk@qrc.com	☐	05/23/2006	reopen
✔	Guifang, Li	li@creol.ucf.edu	☐		reopen
✔	Monroe, DEFtwo e	testing@qrc.com	☐		reopen

Mark all | Notify Selected Trainees

ASSOCIATE MONITORING

Survey Status	Name	E-mail	Notify	Date Notified	Reopen
	Jones, Jimmy				

Mark all | Notify Selected Associates

CO-PI AND ADVISOR MONITORING

Name	E-mail	Notify	Date Notified
Drake, Donald	ddrake@qrc.com		

Mark all | Notify Selected Co-PIs and Advisors

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? Help With This Screen

Email Notification

TO: Michael Flynn;

FROM: tcase@qrc.com

Type your email address above.

SUBJECT: IGERT Data Collection is now Available:

MESSAGE:

```
Dear (First Name),

Please be advised that the National
Science Foundation's (NSF) electronic
database for the Integrative Graduate
Education and Research Traineeship (IGERT)
Program is now available for the current
reporting period.

Help and instructions are available on
```

Cancel Send Email

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IGERT Final Submission

Final Data are Ready to Submit.

You have chosen to notify NSF that your data are final. Are you sure you are ready to finalize the data for this reporting year? After submission, the IGERT Data Reporting System will revert to a READ-ONLY version of your data. You will be able to view your final results, but not update them.

To submit your final data, click on **Send Final Submission** below. Click on the **Cancel** to return to the main menu without submitting your data.

Do not worry, if you click on **Cancel** your data will be saved, and you will still be able to report or revise data. If you are confident that you have finished reporting your data, fill in the burden question below and click Send Final Submission.

Approximately how many person hours were required to complete the IGERT online survey?

I certify that all of the information that I entered in this annual report is correct to the best of my knowledge.

Send Final Submission Cancel

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Welcome to the National Science Foundation's (NSF) Integrative Graduate Education Research Traineeship Program (IGERT) online Data Reporting system.

To enter the IGERT Web collection system, please type your user name and your password in the boxes below; these were given to you by your PI. Then click on **Login**.
If you lost or did not receive your login information, please contact IGERT Help at igert@qrc.com, or call toll free at 866-227-7127. If you have forgotten your password we will email it to you if you provide your email address below.

User Name

Password

Login

The system is closed for maintenance each Wednesday from 5:30 p.m. to 7:30 p.m. eastern time.

Notice
This system will log you out after 1 hour of inactivity.
You must reenter your User Name and password to login to the IGERT survey again.

Did you forget your user name or password?

Submit your e-mail address, and we will send them to you.

E-mail:

Submit

This feature is only available if you have previously logged in to IGERT and provided us with your email address. If you have not yet provided us with your email address, please **e-mail us** at igert@qrc.com or **call toll free at** 866-227-7127.

Survey Privacy

The Federal Government has a continuing commitment to monitor its awards to identify and address any inequities based on gender, race, ethnicity, or disability of the PIs/co-PIs, trainees, or other participants. Submission of the requested information is not mandatory. If you do not wish to submit the information, please mark the checkboxes provided for this purpose on the screens that follow.

Information from this data collection system will be retained by the NSF, a Federal agency, and will be an integral part of its Privacy Act System of Records in accordance with the Privacy Act of 1974 and maintained in the Education and Training System of Records 63 Fed. Reg. 264, 272 (January 5, 1998). These are confidential files accessible only to appropriate NSF officials, their staffs, and their contractors responsible for monitoring, assessing, and evaluating NSF programs. Only data in highly aggregated form, or data explicitly requested "for general use," will be made available to anyone outside of the NSF for research purposes. Data submitted will be used in accordance with criteria established by NSF for monitoring research and education grant and in response to Public Law 99-383 and 42 USC 1885c. The Social Security number (SSN) and date of birth will be maintained in accordance with the requirements of the Privacy Act of 1974. Submission of the SSN is voluntary. It is used for survey quality control, program evaluation, and matching with other data sets maintained in the Education and Training System of Records 63 Fed. Reg. 264, 272 (January 5, 1998).

Public Burden

Submission of the requested information is voluntary. Failure to provide full and complete information, however, may reduce the possibility for continuing support through the award/project subject to this survey. Pursuant to 5 CFR 1320.5(b), an agency may not conduct or sponsor, and a person is not required to respond to an information collection unless it displays a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is 3145-0136. The public reporting burden for this collection of information is estimated to average 66 hours per award including the time for reviewing instructions. Each Principal Investigators' average reporting burden is 34 hours and each trainee's average reporting burden is 2 hours. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions

for reducing this burden, to Suzanne Plimpton, Reports Clearance Officer for OMB Collection 3145-0136 (IGERT Program), Facilities and Operations Branch, Division of Administrative Services, National Science Foundation, 4201 Wilson Blvd., Suite 295, Arlington, VA 22230.

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LEGEND

☐ = Please Complete ⚠ = Please Review

✔ = OK ✖ = Please Correct

Welcome, Thomas Williams **LOGOUT**

Help & Instructions

Print Data Entered to Date

Add Comments/Feedback

Help With This Screen

Contact Us

Survey last modified:
Not Yet Modified

Welcome to the National Science Foundation's (NSF) **Integrative Graduate Education Research Traineeship Program** (IGERT) Annual Survey. We have designed this system to make it easy for you to report on your IGERT project's progress. See Help & Instructions for help getting started.

MAIN MENU

- ✔ Trainee Data
- ✔ Academic/Professional Background Prior to IGERT Traineeship
- ✔ Academic Achievement
- ✔ Ability To Communicate Professionally
- ✔ Professional Skills To Conduct High-Quality Research
- ✔ Professional Skills in Education
- ✔ Professional Skills Applicable to Careers in Industry, Government, or the Public Sector
- ✔ Off-Campus Internships/Industrial Rotations
- ✔ International Perspective
- ✔ Breadth and Depth of Knowledge
- ✔ Mentoring and Other Special Assistance
- ✔ Commentary

- ☐ Send authorized final submission to NSF

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? Help With This Screen

IGERT Trainee Data

Please enter the information requested. **Note:** Demographic data on race, ethnicity, gender, disability status, citizenship, and permanent contact information are entirely voluntary. (Providing this information, however, is very helpful to the program.)

Your answers will be kept confidential. Information that you provide will not be available to your principal investigator or anyone else. Your PI will, however, be able to see how many questions you have completed, since he or she is not able to submit data until you have completed your survey.

One or more values on this page may need to be reviewed.

10 Completion required

Fix Later

TRAINEE INFORMATION

First Name: Thomas

Middle Initial:

Last Name: Williams

Project Years Active: As reported by the PI:

Department at Institution:

Current Address:

Current City:

Current State, ZIP Code: ,

Phone (xxx-xxx-xxxx): **Extension:**

Fax (xxx-xxx-xxxx):

E-mail Address: 10

Web URL:

ETHNICITY

(Choose one.)

- Hispanic or Latino
- Not Hispanic or Latino
- Not Reported

RACE

(Choose one or more.)

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander

- [ ] White
- [ ] Not Reported

GENDER

(Choose one.)

- ( ) Male
- ( ) Female
- ( ) Not Reported

DISABILITY STATUS

(Choose one or more.)

- [ ] Hearing Impairment
- [ ] Visual Impairment
- [ ] Mobility/Orthopedic Impairment
- [ ] Other: _____
- [ ] None
- [ ] Not Reported

CITIZENSHIP

(Choose one.)

- ( ) U.S. Citizen/U.S. National
- ( ) U.S. Permanent Resident
- ( ) Other Non-U.S. Citizen

○ Not Reported

CURRENT IGERT ADVISOR(S)

(Mark all that apply)

☐ Sean McLean
☐ Thomas Zane

EXPECTED GRADUATION DATA

Expected Graduation Date: _____ (mm/yyyy)

If expected to graduate within 1 year, what type of employment are you pursuing?

_____

PERMANENT CONTACT INFORMATION

NSF would like to contact you after you graduate from the IGERT program to follow up on your career. Contact data, including Social Security number are entirely voluntary. This information will be used strictly for this purpose and no other and will not be shared with anyone.

Social Security Number (xxx-xx-xxxx): _____

If you have one, please provide a personal email address (other than your current school address).

Personal Email Address: _____

Please provide the name and address (U.S. postal and email) of a person likely to know how to reach you in 3 years.

Name: _____

Relationship to You:

Address:

City:

State, ZIP:

Country:

Phone: (xxx-xxx-xxxx) **Extension**

Email Address:

Save Cancel

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? Help With This Screen

Academic/Professional Background Prior to IGERT Traineeship

Please enter the information requested on your academic/professional background prior to becoming an IGERT trainee.

Your answers will be kept confidential. Information that you provide will not be available to your PI or anyone else. Your PI will, however, be able to see how many questions you have completed, since he or she is not able to submit their data until you have completed your survey.

ACADEMIC/PROFESSIONAL BACKGROUND PRIOR TO IGERT TRAINEESHIP

Undergraduate Major:

For double majors, select Second Major:

Undergraduate Institution:

Undergraduate Institution. City, State: ,

When did you receive your first undergraduate degree? **(yyyy)**

POST-UNDERGRADUATE DEGREE PRIOR TO IGERT TRAINEESHIP

Did you obtain a post-undergraduate degree **prior** to becoming an IGERT trainee? Yes No

Note: Use most recent degree if more than one degree has been awarded.

Degree Type and When Received: Select Degree Type

(yyyy)

Name of Institution Granting Degree:

Were you employed in the public or private sector for one or more years **after** receiving your first undergraduate degree and **prior** to becoming an IGERT trainee? Yes No

Total number of years (equal to or greater than 1 year, to the nearest year) you were employed in the public or private sector **after** receiving your first undergraduate degree and **prior** to becoming an IGERT trainee.

Save Cancel

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IGERT Trainee: Academic Achievement

Please provide information on any awards that you have received or scholarly achievements during the current reporting period.

Your PI provides information on your achievements in Journal Articles, Books, Book Chapters, Patents, Conference Publications, and Conference Presentations, so you do not need to provide these data here.

Note: Information that you provide on this screen will be available to your PI.

a. Academic Achievement Data Provided by the PI

(Your PI has not provided any data in this section yet)

b. Honors and Recognition

Add Honors and Recognition information > >

c. Fellowship, Scholarship, and Grants Other Than IGERT

Add Fellowship, Scholarship, and Grant information > >

d. Other Scholarly Achievements

In the text box below, please provide descriptions of the scholarly achievements (other than Journal Articles, Books, Book Chapters, Patents, Conference Publications, Conference Presentations, Honors and Recognition, and Fellowship, Scholarship, and Grant) you have accomplished during the current reporting period.

NOTE: Descriptions may be copied and pasted from a word processor into the text box.

Save Cancel

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? Help With This Screen

IGERT Trainee: Honors and Recognition

Please provide information on any Honors and Recognition that you have received during the current reporting period.

Note: Information that you provide on this screen will be available to your PI.

Name:

Year:

Society/Granting Organization:

Save Cancel

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IGERT Trainee: Fellowship, Scholarship, and Grants

Please provide information on any Fellowship, Scholarship, and Grants other than IGERT you have received during the current reporting period.

Note: Information that you provide on this screen will be available to your PI.

Proposal Title:

Year Awarded:

Awarding Agency:

Save Cancel

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Ability To Communicate Professionally

Your answers will be kept confidential. Information that you provide will not be available to your PI or anyone else. Your PI will, however, be able to see how many questions you have completed, since he or she is not able to submit their data until you have completed your surveys.

Please indicate which of the following educational/professional activities you have engaged in during the current reporting period (Mark all that apply).

- ☐ Training/coursework in professional writing
- ☐ Training/coursework in professional speaking/presentation skills
- ☐ Presentations made at the IGERT institution
- ☐ Professional conferences attended
- ☐ Poster sessions/presentations outside the IGERT institution
- ☐ Oral presentations outside the IGERT institution
- ☐ Other activities to develop or increase your ability to communicate professionally

Please specify: _____

☐ Please check here if you were not engaged in any of the activities listed above during the current reporting period.

Please provide counts for any of the following professional activities that you checked above. Enter a zero ("0") in the boxes of any items not checked above.

Presentations made at the IGERT institution

Professional conferences attended

Poster sessions/presentations outside the IGERT institution

Oral presentations outside the IGERT institution

Other activities to develop or increase your ability to communicate professionally

Expand on any of the educational/professional activities identified above that have significantly enhanced your ability to communicate professionally in the text box below.

Save Cancel

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? Help With This Screen

Professional Skills To Conduct High-Quality Research

Your answers will be kept confidential. Information that you provide will not be available to your PI or anyone else. Your PI will, however, be able to see how many questions you have completed, since he or she is not able to submit their data until you have completed your survey.

Please indicate which of the following educational/professional activities you engaged in during the current reporting period (Mark all that apply).

- ☐ Training/coursework in responsible conduct of research
- ☐ Training/coursework in statistics
- ☐ Training/coursework in research methods
- ☐ Training/coursework in state-of-the-art instrumentation
- ☐ Participation in research projects within your own discipline area but outside your dissertation research
- ☐ Other activities to develop or increase professional skills to conduct high-quality research

  Please specify: _____

☐ Please check here if you were not engaged in any of the activities listed above during the current reporting period.

Expand on any of the educational/professional activities identified above that have significantly

enhanced your ability to conduct high-quality research in the text box below.

Save Cancel

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Professional Skills in Education

Your answers will be kept confidential. Information that you provide will not be available to your PI or anyone else. Your PI will, however, be able to see how many questions you have completed, since he or she is not able to submit their data until you have completed your survey.

Please indicate which of the following educational/professional activities you engaged in during the current reporting period (Mark all that apply).

- ☐ Teaching assistantships
- ☐ Mentoring of high school, undergraduate, or other graduate students
- ☐ Courses developed and/or major teaching roles
- ☐ Participation in any multidisciplinary/interdisciplinary course development, teaching, or other educational effort
- ☐ Participation in any group education efforts (e.g., team teaching, teamwork on course development)
- ☐ Other activities to develop or increase professional skills in education

Please specify: _____

☐ Please check here if you were not engaged in any of the activities listed above during the current reporting period.

Expand on any of the educational/professional activities identified above that have significantly

enhanced your professional skills in education in the text box below.

Save Cancel

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Professional Skills Applicable to Careers in Industry, Government, or the Public Sector

Your answers will be kept confidential. Information that you provide will not be available to your PI or anyone else. Your PI will, however, be able to see how many questions you have completed, since he or she is not able to submit their data until you have completed your survey.

Considering all your activities in the past year, **except for those associated with internships,** please indicate which of the following educational/professional activities you engaged induring the current reporting period (mark all that apply).

- ☐ Participation in any research project involving multiple disciplines
- ☐ Participation/experience in team research efforts
- ☐ Participation in any interaction between academic research and industrial applications or between academic research and public policy development or application
- ☐ Training/experience in communications across disciplines and with different audiences (including the general public)
- ☐ Educational interactions (e.g., courses, workshops, seminars) with industry professionals or with Government or other public-sector professionals
- ☐ Research interactions (other than internships) with industry professionals or with government or other public-sector professionals
- ☐ Other activities to enhance your professional skills applicable to careers

Please specify: _____

☐ Please check here if you did not engage in any of the activities listed above during the current reporting period.

Expand on any of the educational/professional activities identified above that have significantly enhanced your professional skills applicable to careers in industry, government, or the public sector in the text box below.

Save Cancel

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Off-Campus Internships/Industrial Rotations

Your answers will be kept confidential. Information that you provide will not be available to your PI or anyone else. Your PI will, however, be able to see how many questions you have completed, since he or she is not able to submit their data until you have completed your survey.

INTERNSHIP SETTING

Have you taken part in any internship(s) lasting a month or more with private-sector industries or businesses, with public sector laboratories or agencies, or in any other setting during the current reporting period? ○ Yes ○ No

If yes, please indicate the setting and duration (to the nearest month) of the internship(s).

	Internship Setting	Number of Months
Internship 1:	Select Internship Setting	Select Number of Months
Internship 2:	Select Internship Setting	Select Number of Months
Internship 3:	Select Internship Setting	Select Number of Months
Internship 4:	Select Internship Setting	Select Number of Months

BENEFITS OF INTERNSHIPS

Please indicate whether any of the following benefits resulted from your internship(s) during the current reporting period (Mark all that apply).

- [ ] Experience with applied research
- [ ] Experience with team approaches to problem solving
- [ ] Experience communicating and working with people from different disciplinary or professional backgrounds
- [ ] Increased awareness of non-academic job opportunities available to people with similar education and interests
- [ ] Development of a thesis and/or dissertation research topic
- [ ] Financial or equipment support to complete thesis research
- [ ] Likelihood of a job offer after graduation
- [ ] Other benefits

  Please specify:
- [ ] No benefits resulted from internship(s) during the current reporting period.

Expand on any of the benefits selected above that have significantly enhanced your professional skills in areas important in industry or other public/private sector careers in the text box below.

Save Cancel

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International Perspective

Your answers will be kept confidential. Information that you provide will not be available to your PI or anyone else. Your PI will, however, be able to see how many questions you have completed, since he or she is not able to submit their data until you have completed your survey.

Please indicate which of the following educational/professional activities you engaged in during the current reporting period (Mark all that apply).

- ☐ Experience working with scientist(s) of other nationalities within the United States
- ☐ Experience communicating and working with people of different cultures, nationalities, or backgrounds
- ☐ Internships or other experiences working with scientist(s) of other nationalities in their own countries
- ☐ Experience, outside of your studies, living and/or working in a foreign country
- ☐ Other internationally oriented educational/professional activities

Please specify: _____

☐ Please check here if you were not engaged in any of the activities listed above during the current reporting period

Expand on any of the educational/professional activities selected above that have significantly enhanced your understanding of other cultures in the text box below.

Save Cancel

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Breadth and Depth of Knowledge

Your answers will be kept confidential. Information that you provide will not be available to your PI or anyone else. Your PI will, however, be able to see how many questions you have completed, since he or she is not able to submit their data until you have completed your survey.

Will your degree be granted by a multidisciplinary/interdisciplinary program or a traditional single-discipline department?

- ○ Multidisciplinary/interdisciplinary program
- ○ Traditional single-discipline department

What is the name of the home department/program that will grant your degree?

Home Department/Program Name: [ ]

During the current reporting period, I have taken [ ] courses/program in the home department.

COURSES IN OUTSIDE DEPARTMENTS

For each outside department:

1. Name the outside department.
2. Indicate the number of courses taken in it during the current reporting period.

Outside Department 1: [ ]

During the current reporting period, I have taken [ ] courses in outside Department 1.

Outside Department 2: [ ]

During the current reporting period, I have taken [ ] courses in outside Department 1.

Outside Department 3: [ ]

During the current reporting period, I have taken [ ] courses in outside Department 1.

Outside Department 4: [ ]

During the current reporting period, I have taken [ ] courses in outside Department 1.

Are there any other educational/professional experiences in which you have participated (that have not been mentioned in this survey) that have contributed materially to the depth and breadth of your scientific knowledge/understanding?

○ Yes ○ No

If yes, please provide a brief description of these educational/professional experiences in the text box below.

[ ]

Save Cancel

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Mentoring and Other Special Assistance

Your answers will be kept confidential. Information that you provide will not be available to your PI or anyone else. Your PI will, however, be able to see how many questions you have completed, since he or she is not able to submit their data until you have completed your survey.

HAVE YOU RECEIVED ANY SPECIAL ASSISTANCE?

During your time as an IGERT trainee, have you received any form of special assistance (e.g., mentoring, academic, personal) beyond the support typically received by graduate students you know in other Ph.D. programs at this university? ○ Yes ○ No

MENTORING AND SPECIAL ASSISTANCE

Please indicate which of the following mentoring or special assistance you received during the current reporting period (Mark all that apply).

- ☐ No mentoring/assistance was received during the current reporting period
- ☐ Especially helpful mentoring from a faculty member, postdoc, or other graduate student (s)
- ☐ Special academic assistance (e.g., tutoring, arrangements to take supporting courses, time extensions)
- ☐ Help with personal problems or in making social connections
- ☐ Other types of mentoring or special assistance

Please specify: _____

Expand on any of the types of assistance selected above that have significantly improved the quality of your experience at this institution in the text box below.

Save Cancel

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Trainee Commentary

Your answers will be kept confidential. Information that you provide will not be available to your PI or anyone else. Your PI will, however, be able to see how many questions you have completed, since he or she is not able to submit their data until you have completed your survey.

IGERT HIGHLIGHTS

In the text box below, please describe what you consider to be the most beneficial and exciting aspects of being an IGERT trainee. These might include 1) an opportunity you have had as a result of being an IGERT trainee that has significantly affected your professional development, 2) an aspect of the project that provided exceptional "added value" to your educational experience, or 3) an aspect of the project that has been especially successful and/or represents a real change from the way that graduate students are usually educated at your institution. If you have already described the highlights on a previous screen, please identify the screen. You must, also describe them here; however, you can copy and paste your description here from the previous screen. (word limit: 250)

IGERT CONCERNS

In any new program, there are some elements that are slower to develop or less successful than others. In this text box, please describe what you consider to be the least successful or least well-developed (to date) elements of the IGERT program with which you are associated. Please offer any suggestions you may have for making IGERT a stronger and more effective graduate education program. If you have already described your concerns on a previous screen, please identify the screen. You must, however, describe them here as well. You can copy and paste your description here from the previous screen. (word limit: 250)

Save Cancel

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IGERT Trainee Final Submission

Final Data are Ready to Submit.

You have chosen to notify NSF that your data are final. Are you sure you are ready to finalize the data for this reporting year? After submission, the IGERT Trainee Data Reporting System will revert to a READ-ONLY version of your data. You will be able to view your final results, but not update them.

To submit your final data, click on **Send Final Submission** below. Click on the **Cancel** to return to the main menu without submitting your data.

Do not worry, if you click on **Cancel** your data will be saved, and you will still be able to report or revise data. If you are confident that you have finished reporting your data, fill in the burden question below and click Send Final Submission.

Approximately how many person hours were required to complete the IGERT Trainee online survey?

I certify that all of the information that I entered in this annual report is correct to the best of my knowledge.

Cancel Send Final Submission

OMB #3145-0136
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