2012–2013 IGCC Dissertation Fellowships

THE IGCC RESEARCH AGENDA

International security in the twenty-first century has been transformed from a stark bipolar confrontation of states and their surrogates, characteristic of the Cold War, to interactions among a wide variety of actors and institutions. International and regional organizations, state and local government agencies, nonprofits, and the private sector play unprecedented roles in shaping security—positively or negatively. Climate change and hunger, unemployment and migration, financial instability and natural resource constraints create a rapidly changing strategic environment, challenging old definitions of what security means, who is or should be involved, and what role national governments play. Local choices can have international consequences. For example, nuclear power may offer a way for nations to free themselves from the tyranny of oil and assist in addressing threats of destabilizing climate change, but the risks of diversion of nuclear material from civilian to weapons use remain high and the disaster at Fukushima has given pause to many governmental nuclear programs. Governments will soon face this more complex environment with significantly reduced budgets, forcing hard decisions as they set security priorities.

IGCC seeks to support Ph.D. dissertations on three broad themes closely linked to this new global security dynamic. The proposed dissertation research must have one of these themes as an integral part of the project.

Theme One - The Changed Institutional Environment: Although national governments remain primary players in the security realm, non-state actors like corporations and NGOs, and regional and multilateral forums have become increasingly important in managing international relations and preserving the peace.

Examples of possible topics under this theme include: privatization of security, regional multilateral fora, measuring the effectiveness of international institutions, multilateral versus bilateral arrangements, and international legal agreements and dispute resolution mechanisms.

Theme Two - Nonconventional Threats: Although traditional military competition remains, day-to-day threats in this new security dynamic generally emanate from a variety of nontraditional sources such as terrorism and international crime, bioterrorism and nuclear proliferation, climate change and epidemics that straddle borders.

Topics under this theme include: international cooperation on health, terrorism, biosecurity, nonstate actors, global health development, nation building, democratization, climate change, and transborder environmental problems.

Theme Three: Nuclear Threats and Public Policy: The continued interaction between the development of nuclear technology, the global expansion of nuclear energy, and the proliferation of nuclear weapons makes nuclear issues a persistent policy concern. The dangers from the proliferation of nuclear weapons and the potential diversion of fissile materials have intensified as a result of the potential for nuclear terrorism by non-state actors. Meanwhile, existing nuclear weapon states confront conflicting agendas, on the one hand under pressure on nonproliferation and disarmament, on the other hand maintaining their deterrent capabilities as safe, secure, reliable, and credible.

Topics under this theme include: monitoring, verification, and enforcement of nonproliferation agreements; strengthening or reforming the international nuclear nonproliferation or safety regimes; understanding the causes or consequences of proliferation; role of nuclear weapons in contemporary deterrence and security strategies; and the effects on nuclear energy demand from externalities such as climate change, resource competition, natural disasters, or safety and security.

APPLICATION DEADLINE IS MARCH 9, 2012
RELEVANCY
The competition is open to all academic disciplines, however, in order to meet IGCC relevancy criteria,

- the proposed research must fit into one of the three IGCC themes; and
- the international sources and/or consequences of the phenomenon studied in the dissertation must be an integral part of the project.

Multidisciplinary approaches and policy-relevant work are encouraged.

FELLOWSHIP CATEGORIES
1. IGCC Dissertation Fellowship: This fellowship offers up to $18,000 in stipend, research, and travel support. These fellowships consist of a nine-month stipend of $15,000 (October to June) to defray living expenses and an additional award of up to $3,000 in justified research and travel support. Doctoral students enrolled in the University of California, including J.D./Ph.D., M.D./Ph.D., and M.D. with thesis, are eligible to apply for the IGCC dissertation fellowship. Applicants may apply under any of the above three themes. Applicants must advance to candidacy by June 30, 2012, to receive funding. U.S. citizenship is not required. IGCC dissertation fellowships are for one year and may not be carried into future years.

2. International Nuclear Security Dissertation Fellowship: An international nuclear security dissertation fellowship offers up to $20,000 in stipend. These fellowships are funded by the National Nuclear Security Association (NNSA) via the National Science and Security Consortium (NSSC) and consist of a nine-month stipend of $20,000 (October to June) to defray living expenses. International Nuclear Security Dissertation Fellows are required to attend our Public Policy and Nuclear Threats Winter Conference. This meeting is typically held in Washington D.C. for two days. IGCC will cover the cost of economy class airfare, lodging and meals during the conference for international nuclear security dissertation fellows. Doctoral candidates enrolled in the University of California or at a consortium university,¹ including J.D./Ph.D., M.D./Ph.D., and M.D. with thesis, are eligible to apply for the international security dissertation fellowship. Applicants for this category of fellowship must apply under theme three only. Applicants must be U.S. citizens and must advance to candidacy by June 30, 2012, to receive funding. These fellowships are for one year only. IGCC does not typically renew fellowships so efforts should be made to spend down funds during the year they are awarded.

Applicants are only allowed to apply for one of the fellowships. The reviewing committee reserves the right to change fellowship categories for the applicants if they are deemed more suitable for consideration to the other competition.

¹ Consortium universities include Michigan State University, Washington University, and University of Nevada Las Vegas.

APPLICATION DEADLINE IS MARCH 9, 2012
1. **HOW TO APPLY FOR IGCC DISSERTATION FELLOWSHIPS**

IGCC applications must be submitted online through the IGCC application system at [http://igcc.ucsd.edu/application](http://igcc.ucsd.edu/application). Please note that you will not be able to submit your application until the application period opens **January 30, 2012**.

A complete application will include these six elements.

1. **Applicant information & abstract**: Complete the applicant information web form and provide a brief abstract (150 words) of your proposal. Be sure to indicate which theme your proposed research falls under (theme 1, 2 or 3).

2. **Project expense budget & justification of expenses**: Although there is no required format for a project budget, it must indicate all anticipated project expenses for 2012-2013 year, even if your budget exceeds the IGCC award maximum in the category for which you are applying and/or if other funding sources will cover them. You must include a brief explanation or narrative statement that describes the rationale for budget items as well as any special circumstances that should be considered when your budget is reviewed.

   There is a sample budget in *Appendix B, IGCC Dissertation Fellowship Budget Example* that applicants may modify for personal use and include in their application.

   Further details on allowable and non-allowable expenses are given below.

   **Travel**: May include economy-class airfare only (following UC travel reimbursement and per diem guidelines) and ground transportation expenses. Describe destination, purpose of trip, number of trips, duration of travel, food, and lodging expenses. Travel for spouses or family is not covered.

   **Meetings and Conferences**: Include the conference name, date, and expected number of participants and well as the purpose of traveling to the conference. *Any conference travel must be justified as critical to the dissertation research project.*

   **Research**: Books, materials, tapes, and interpreters are examples of allowable expenses, if justified for the research project. Photocopying expenses are limited to $200. Computer hardware purchases are not allowed. Software is an allowable expense only if applicable to research (such as data analysis software).

   **Student Fees & Tuition**: IGCC fellowship funds are not intended for UC student fees and tuition.

3. **Proposal Narrative**: The narrative description of the project is not to exceed 1,500 words. This limit is strictly enforced. The narrative should include:
   a. **A description of the research problem or goals**: What questions will your research answer?
   b. **Significance of the research and its relevance to the IGCC research themes**: Both are very important for a proposal to be competitive.
   c. **Research design and methods**: Include a specific research design and conceptual description of any models to be evaluated. Explain the procedures you will employ (such as archival work, interviews, statistical analysis) to answer your research question. Indicate how IGCC funds will enable you to undertake these procedures. This should make up the bulk of the narrative and usually distinguishes the proposals that receive funding.
   d. **Appendix**: Models, sample interview questions, data sources, and so on may be added as an appendix to the narrative. The appendix is not included in the word count, but is limited to no more than two pages.
   e. **Timeline**: Progress to date and schedule for completion.
   f. **Literature citations**: The narrative must demonstrate the applicant’s knowledge of the existing literature surrounding the research topic. This may be demonstrated through use of footnotes, a literature review, or a bibliography. Citations do not count against the word count or appendix limit. The application will not be reviewed if such citations are not included.

   **APPLICATION DEADLINE IS MARCH 9, 2012**
g. **Word count:** Include a word count at the end of the narrative. Appendices, footnotes, and other source citations are not included in the word count.

4. **Curriculum vitae.**

5. **Transcripts:** An electronic version of your most recent transcript will need to be uploaded online. Applicants may cut and paste their academic record from their school’s web site or scan their transcript into their PDF file.

6. **Two letters of recommendation:** One letter of recommendation must be from your advisor. Recommendation letters received after the deadline of March 16, 2012 will not be included with initial proposal review. Please have your evaluators email them to lauramartin@ucsd.edu. Letters must be on reviewer’s department letterhead and emailed from their campus email address.

   **Note:** It is the applicant’s responsibility to verify that both letters of recommendation have been received. Applicants may do so via an email inquiry to lauramartin@ucsd.edu

**LOCAL CAMPUS REQUIREMENTS**

It is the applicant’s responsibility to verify whether or not there are any local campus requirements and deadlines regarding Sponsored Research/Contracts & Grants documentation prior to applying. Some campuses, such as UCLA, UCSB, and UCSC, require students to submit applications to their Office of Contracts and Grants/Sponsored Projects in advance of submitting an application to IGCC. Please contact your department’s fiscal coordinator or your campus Office of Contracts and Grants/Sponsored Projects for guidance and campus deadlines.

**RECEIPT OF ADDITIONAL AWARDS**

IGCC fellows may be eligible to accept additional grants or awards from other agencies, especially funding that covers UC tuition and registration fees. **Applicants who have already received additional funds, awards, or grants must submit an extended project budget with their application, detailing all anticipated expenses for the entire dissertation project and which of those expenses the IGCC fellowship will cover.**

IGCC reserves the right to negotiate cost-sharing agreements directly with other award agencies. IGCC will determine any final award amount or cost share based on level of support obtained and the extended project budget. Upon receipt of any other award, the IGCC fellow must submit to IGCC a copy of the other agency’s award notification, guidelines, and a request for permission to accept the additional award.

**DEADLINE**

Online application materials must be submitted by 5:00 p.m. PST, Friday, March 9, 2012. **Note:** Your campus may have an earlier internal deadline. See “Local Campus Requirements” above.

Letters of recommendation must be emailed by Friday, March 16, 2012. Recommendation letters may also be delivered in person to the IGCC central office by 5:00 p.m. PST, Friday, March 16, 2012.

Late or incomplete applications will not be reviewed.

**PROPOSAL REVIEW AND AWARD NOTIFICATION**

IGCC dissertation fellowships are awarded by the IGCC Steering Committee, a multidisciplinary group of representatives from each UC campus and the Lawrence Livermore and Los Alamos National Laboratories. A current steering committee list is attached. Please note that the initial review of the proposal will not involve the committee member from the student’s home campus. Applicants will receive written notification of results by mid-summer 2012.

**INDIRECT COSTS (IDC)**

These awards are not subject to IDC.
ADMINISTRATION OF AWARD AND REIMBURSEMENT OF RESEARCH AND TRAVEL EXPENSES
IGCC funds are administered through the student’s local graduate department’s fiscal administrator, not by the IGCC central office. Please contact your department’s financial staff person for this information. At the time of award, IGCC dissertation fellowship funds are transferred to the awardee’s graduate department and administered locally.

Fellowship stipend payments and reimbursement of travel and research costs are arranged at the home campus in accordance with local campus procedures. IGCC does not send fellowship payments directly to awardees. Original receipts are required for reimbursement of travel and most research costs. Receipts should be submitted to the fellowship’s fiscal administrator on the home campus for reimbursement.

Questions about stipend payments and research and travel reimbursement should be directed to the fiscal administrator of the respective graduate department.

RENEWALS
IGCC dissertation fellowships are for one year and may not be carried into future years. Recipients must use the fellowship for the year it was awarded. Unspent funds must be returned to IGCC at the end of the award period.

ADDITIONAL INFORMATION
For additional information contact Laura Martin, Programs Manager, lauramartin@ucsd.edu, 858-534-2990.

APPLICATION DEADLINE IS MARCH 9, 2012
2. **HOW TO APPLY FOR INTERNATIONAL NUCLEAR SECURITY DISSERTATION FELLOWSHIPS**

IGCC applications must be submitted online through the IGCC application system at [http://igcc.ucsd.edu/application](http://igcc.ucsd.edu/application). Please note that you will not be able to submit your application until the application period opens **January 30, 2012**.

Applicants must be U.S. citizens and must advance to candidacy by June 30, 2012, to receive funding.

A complete application will include these six elements.

1. **Applicant information & abstract**: Complete the applicant information web form and provide a brief abstract (150 words) of your proposal. Be sure to indicate how your proposed research falls under theme three.

2. **Project expense budget & justification of expenses**: Although there is no required format for a project budget, it must indicate all anticipated project expenses for 2012-2013 year, even if your budget exceeds the IGCC award maximum in the category for which you are applying and/or other funding sources will cover them. You must include a brief explanation or narrative statement that describes the rationale for budget items as well as any special circumstances that should be considered when your budget is reviewed.

   There is a sample budget in **Appendix C - NSSC Fellowship Budget Example** that applicants may modify for personal use and include in their application.

3. **Student Fees & Tuition**: IGCC fellowship funds are not intended for UC student fees and tuition.

4. **Proposal Narrative**: The narrative description of the project is not to exceed 1,500 words. This limit is strictly enforced. The narrative should include:
   a. **A description of the research problem or goals**: What questions will your research answer?
   b. **Significance of the research and its relevance to the IGCC research themes**: Both are very important for a proposal to be competitive.
   c. **Research design and methods**: Include a specific research design and conceptual description of any models to be evaluated. Explain the procedures you will employ (such as archival work, interviews, statistical analysis) to answer your research question. Indicate how IGCC funds will enable you to undertake these procedures. This should make up the bulk of the narrative and usually distinguishes the proposals that receive funding.
   d. **Appendix**: Models, sample interview questions, data sources, and so on may be added as an appendix to the narrative. The appendix is not included in the word count, but is limited to **no more than two pages**.
   e. **Timeline**: Progress due to date and schedule for completion.
   f. **Literature citations**: The narrative must demonstrate the applicant’s knowledge of the existing literature surrounding the research topic. This may be demonstrated through use of footnotes, a literature review, or a bibliography. Citations do not count against the word count or appendix limit. The application will not be reviewed if such citations are not included.
   g. **Word count**: Include a word count at the end of the narrative. Appendices, footnotes, and other source citations are not included in the word count.

4. **Curriculum vitae**.

5. **Transcripts**: An electronic version of your most recent transcript will need to be uploaded online. Applicants may cut and paste their academic record from their school’s web site or scan their transcript into their PDF file.

6. **Two letters of recommendation**: One letter of recommendation must be from your advisor. Recommendation letters received after the deadline of March 16, 2012 will not be included with initial proposal review. Please have your evaluators email them to lauramartin@ucsd.edu. Letters must be on reviewer’s department letterhead and emailed from their campus email address.

**APPLICATION DEADLINE IS MARCH 9, 2012**
Note: It is the applicant’s responsibility to verify that both letters of recommendation have been received. Applicants may do so via an email inquiry to lauramartin@ucsd.edu.

LOCAL CAMPUS REQUIREMENTS
Submission of an application to IGCC for NSSC fellowship will require your campus Office of Contracts and Grants/Sponsored Projects to approve and endorse. Please contact your department’s fiscal coordinator or your campus office of Contracts and Grants/Sponsored Projects for guidance and campus deadlines.

While our deadline for submission is March 9, 2012, you will need to submit your application to your Office of Contracts and Grants/Sponsored Projects well before this date. It is your responsibility to coordinate with your Office of Contracts and Grants/Sponsored Projects to learn their deadline and to abide by local campus requirements. Please contact your department’s fiscal coordinator or your campus Office of Contracts and Grants/Sponsored Projects for guidance and campus deadlines.

RECEIPT OF ADDITIONAL AWARDS
IGCC nuclear security dissertation fellows may be eligible to accept additional grants or awards from other agencies, especially funding that covers travel, research materials, or tuition and registration fees. Applicants who have already received additional funds, awards, or grants must submit an extended project budget with their application, detailing all anticipated expenses for the entire dissertation project and which of those expenses the IGCC fellowship will cover.

IGCC reserves the right to negotiate cost-sharing agreements directly with other award agencies. IGCC will determine any final award amount or cost share based on level of support obtained and the extended project budget. Upon receipt of any other award, the IGCC fellow must submit to IGCC a copy of the other agency’s award notification, guidelines, and a request for permission to accept the additional award.

DEADLINE
Online application materials must be submitted by 5:00 p.m. PST, Friday, March 9, 2012.

Note: Your campus may have an earlier internal deadline. See “Local Campus Requirements” above.
Letters of recommendation must be emailed by Friday, March 16, 2012. Recommendation letters may also be delivered in person to the IGCC central office by 5:00 p.m. PST, Friday, March 16, 2012.

Late or incomplete applications will not be reviewed.

PROPOSAL REVIEW AND AWARD NOTIFICATION
IGCC nuclear security dissertation fellowships are awarded by the IGCC Steering Committee, a multidisciplinary group of representatives from each UC campus and the Lawrence Livermore and Los Alamos National Laboratories. A current steering committee list is attached. Please note that the initial review of the proposal will be conducted by a subcommittee of this steering committee and with a representative faculty member from a non-UC consortium2 university. This subcommittee will make recommendations to the full steering committee regarding these awards. Applicants will receive written notification of results by mid-summer 2012.

INDIRECT COSTS (IDC)
Funds won by consortium members outside the UC system will require a subcontract to the recipient’s university. Funds won by any of the UC campuses will require a Multi-Campus Award to the recipient’s campus. Fellowship stipends are exempt from IDC.

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2 Consortium universities include Michigan State University, Washington University, and University of Nevada Las Vegas.

APPLICATION DEADLINE IS MARCH 9, 2012
ADMINISTRATION OF AWARD AND REIMBURSEMENT OF RESEARCH AND TRAVEL EXPENSES
IGCC funds are administered through the student’s local graduate department’s fiscal administrator, not by the IGCC central office. Please contact your department’s financial staff person for this information. At the time of award, IGCC nuclear security dissertation fellowship funds are transferred to the awardee’s graduate department and administered locally.

IGCC will prepay or reimburse for travel expenses (economy class flight, lodging and meals during the conference) for nuclear security dissertation fellows to attend the Public Policy and Nuclear Threats Winter Conference per UC policy.

Questions about stipend payments should be directed to the fiscal administrator of the respective graduate department.

RENEWALS
IGCC fellowships are for one year only. IGCC does not typically renew fellowship grants so efforts should be made to spend down funds during the year they are awarded.

ADDITIONAL INFORMATION
For additional information contact Laura Martin, Programs Manager, lauramartin@ucsd.edu, 858-534-2990.