



<http://www.csuci.edu/ira/index.htm>

Application  
Instructionally Related Activities Funds Request  
2008-2009 Academic Year  
DEADLINE: Fall and Academic Year 3/14/08  
Spring 10/15/08

Applications must first be sent to the appropriate program chair. Chairs will then recommend and route them to the Dean's Office for review and authorization. The Dean's Office will then forward them to the IRA Committee for consideration.

**Activity Title: Student Research Mathematics Conference Spring 2009**

Project Sponsor/Staff (Name/Phone): Mathematics Department:

Jorge Garcia, x2769. Cindy Wyels, x3260; Ivona Grzegorzczuk, x8868, Geoff Buhl, Kathryn Leonard, Jesse Elliott.

Activity/Event Date(s): **Student Research Mathematics Conference**

Date Funding Needed By: April 5- 11, Spring Semester, 2009

\*\*Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2008 and for Spring Requests early January 2009.

**Please check if any of the following apply to your IRA:**

- |   |   |
|---|---|
| <input type="checkbox"/> Equipment Purchase     | <input type="checkbox"/> Field Trip   |
| X Event   | <input type="checkbox"/> Participant data collection for public dissemination, i.e. interviews/surveys that result is a journal/poster session/newsletter |
| <input type="checkbox"/> IT Requirements        |   |
| <input type="checkbox"/> International Travel   |   |
| <input type="checkbox"/> Space/OPC Requirements | <input type="checkbox"/> Risk Management Consultation   |
| <input type="checkbox"/> Infrastructure/Remodel | <input type="checkbox"/> Late Submission (Passed Deadlines: <b>Fall 3/14, Spring 10/15</b> )  |
| <input type="checkbox"/> Other _____            |   |

Previously Funded: ☐YES ☐NO Yes, Request # \_\_\_ Date (10-15-2008) \_\_\_\_\_

Does your proposal require IRB (Institutional Review Board) approval: ☐Yes ☒No

Assessment submitted for previously Funded Activity: ☒YES ☐NO

Academic Program or Center Name and Budget Code: **Mathematics, 750**

Date of Submission: **October 15, 2008**

Amount Requested: **\$ 4,700**

(Should match item 2. E. on page 4)

Estimated Number of CSUCI Students Participating: **50-80**

**NOTE: The mathematics department will provide the classroom space that is already assigned to the program. No additional space will be requested at this point.**

**Application**  
**Instructionally Related Activities Funds Request**  
**2008-2009 Academic Year**

**Conditions and Considerations**

**Equipment Purchase**-If requesting large equipment, Project Sponsor must show proof of correspondence with OPC Administration. In addition, all other purchases must follow Procurement Guidelines

**Events**-Attach copy of Events and Facilities Use Request Form (Public Folders-Events & Facilities folder) Consider time frame for set-up and take down.

**NOTE:** The mathematics department will provide the classroom space that is already assigned to the program. No additional space will be requested at this point.

**Participant Data Collection for Public Dissemination**-If Project Sponsor proposes to conduct research with human participants then it may be subject to IRB (Institutional Review Board for the Protection of Human Subjects) review. It is the Project Sponsor's responsibility to inquire with the IRB **prior** to IRA application submission to determine if the project is exempt from IRB review so that funding is not delayed. Please indicate on the cover page if your project is exempt from IRB review.

**Field Trip**-If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).

**IT Requirements**-Requires proof of correspondence and approval from IT Administration

**International Travel**-Requires International Travel application be submitted to Center for International Affairs.

**Risk Management Consultation**-Requires proof of correspondence with Risk Management.

**Space/OPC Requirements, Infrastructure/Remodel**-Requires proof of correspondence with OPC Administration .

**Late Submission (Deadlines: Fall 3/14, Spring 10/15)**-Requires explanation for emergency funding.

**Fiscal Management:** Project Sponsor's program will be responsible for all costs incurred over and above what is funded through the IRA award and will be responsible for seeing that any revenue that is intended to offset the amount of the IRA award is transferred accordingly.

Application  
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2008-2009 Academic Year

**Requirements and Signatures**

Please provide the following in your application:

1. **Brief Activity Description.** Describe the activity and its relationship to the educational objectives of the students' program or major.
2. **Relation to IRA to Course Offerings.** All IRAs must be integrally related to the formal instructional offerings of the University and must be associated with scheduled credit courses. Please list all classes that relate to the program proposed.
3. **Activity Assessment.** Describe the assessment process and measures that the program will use to determine if it has attained its educational goals. **Please note a report will be due at the end of the semester.**
4. **Activity Budget.** Please enclose a complete detailed budget of the entire Activity **bold** specific items of requested IRA funding. (Page 4)
5. **Sources of Activity Support.** Please list the other sources of funding, and additional support for the activity.
7. **Acknowledgment.** Project Sponsor and Program Chair acknowledge that they have reviewed and accepted the Conditions and Considerations detailed on page 2.

Signatures and Dates

Gutting, W. W. J.  
Project Sponsor



10/15/08  
Date

[Signature]  
Program Chair/Director

10-15-2008  
Date

A. H. Vaidya  
Dean

10-30-08

Last year the conference  
was held in the  
summer when our  
students were not in  
session. I would like  
to make sure that this  
occurs during the

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Application  
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2008-2009 Academic Year

ACTIVITY BUDGET FOR 2008-2009

1. Operating Expense Budget

A. Supplies	_____	\$200
B. Vendor Printing	_____	
C. In-State Travel/Lodging	6 X \$ 130 x 5 nights =	\$3,900
D. Out-of-State Travel	_____	
E. Equipment Rental	_____	
F. Equipment Purchase	_____	
G. Contracts/Independent Contractors	_____	
H. Honorarium	3X \$ 200 =	\$ 600
I. OPC Chargeback	_____	
J. Copier Chargeback	_____	
K. Other (Please Specify)	_____	
 TOTAL Expenses	_____	 \$4,700

2. Revenue

A. Course Fees	_____	
B. Ticket Sales	_____	
C. Out of Pocket Student Fees (exclusive of course fees)	_____	
D. Additional Sources of funding (Please specify And indicate source)	_____	
E. Requested Allocation from IRA		\$4,700

## **1. Brief Activity Description**

In April 2009, the Mathematics Program and the Math Club will host an intensive week's worth of activities focused on student research in the mathematical sciences. The centerpiece will be a week-long student conference featuring research presentations by students and faculty. This conference will provide an opportunity for **all** students in math classes (not just math majors) to participate and to present shorter-term and longer-term student projects. Our partners in this effort are the students and faculty at *Universidad Autónoma del Estado de Hidalgo* (UAEH), Mexico. We have been cooperating with UAEH since 2006, when a contingent of CSUCI students and faculty traveled to UAEH for a similar conference, a trip that was repeated in 2008. In 2007 students and faculty from UAEH visited CSUCI for a week of student research-related mathematical activities. Collaborative scientific projects have been carried out between conferences.

This proposal is to support 3 invited faculty speakers and 6 students from UAEH to present their work at this event. The program includes short lectures in mathematics and its applications, including imaging, computer science, physics, psychology, biology, and art. We expect that this international exchange will stimulate undergraduate research, will facilitate new collaborations and exchange of ideas, and will support new friendships, cultural appreciation and social and political understanding.

This proposal furthers the international component of the CSUCI's mission and promotes excellence in education, as it gives our students the chance to participate in a small international event. Students from many majors will be invited to participate by either presenting a project or attending the activities. This conference continues a unique cooperation that enhances the international perspectives of our students and stimulates interest in Mexican culture and the Spanish language as well as in mathematics and its applications. CSUCI student clubs – MeCHa, the Physics Club and the Math Club – have expressed interest in hosting afternoon events for all participants, including museum trips (e.g. to the Getty, the Museum of Tolerance, etc.) and other destinations such as the Ventura harbor, the Santa Barbara mission, Santa Monica, Los Angeles, etc. The participation of foreign students and faculty will give our students a chance to speak a foreign language, to host people from different cultures, and to grow professionally and intellectually.

## **2. Relation to IRA Program to Course Offerings.**

The IRA funded part of the proposal will be related to courses in Spanish, mathematics, physics, computer science and to other multicultural and international themes.

The courses most heavily involved are listed below.

- MATH 318 Mathematics for Secondary Teachers
- MATH 330 Mathematics and Fine Arts

- PHYS/PHYS 445 Image Analysis and Pattern Recognition
- MATH 490 Special Topics: Combinatorics
- MATH 499 Seminar
- MATH 494 Independent Studies
- MATH 497 Directed Studies
- MATH 492 Internship.

Students will present their own research projects and study our guests' research results.

### **3. Activity Assessment**

The main learning outcome of this proposal will be the opportunity for our students to present their projects to the wider audience, including foreign participants, and the experience they will gain from the international exposure of their work. Additionally, many CSUCI students will be exposed to foreign culture and language, will participate in events, and will use their Spanish to communicate. They will learn how to host a research event for the community and foreign guests and how to exchange and generate ideas. This visit will give recognition to the Ventura County, its undergraduate education and creative activities at Channel Islands. The students and faculty will have a chance to initiate new scientific contacts and discuss their research with colleagues in their fields. Talks will enhance CSUCI student and faculty learning and research opportunities. Specific objectives to be met are listed below:

- Undergraduate research presentations
- Cultural and scientific exchange
- Multicultural events and Spanish language enhancement
- Modern mathematical issues across the world.
- The scientific methods, approaches to applications and proofs
- Mexican culture and the Mexican perspective

The quality of the conference will be assessed through written surveys to be administered at the end of the conference.

### **4. Program Budget and Other Funding**

We request full funding to host 3 faculty and 6 students from UAEH while they are in the USA for this scientific and educational event. UAEH will cover their other costs (air fare, their local transportation in Mexico, their indirect costs, materials for lectures, etc.). The budget page (p. 4) provides the details of the \$4,700 we are requesting from IRA.

**5. Sources of Activity Support.** Please list the other sources of funding, and additional support for the activity.

The Mathematics Program will support the conference with additional funding for refreshments and other small items. We will provide our guests with office and computer

access, and the conference will use classrooms already designated for mathematics program. UAEH will provide support as indicated in Section 4. We note that UAEH was very supportive of our students' and faculty travel to UAEH in our two previous visits, providing lodging, most food, and ground transportation in Mexico. We would like to be equally good hosts.

**6. Acknowledgment.** Project Sponsor and Program Chair acknowledge that they have reviewed and accepted the Conditions and Considerations detailed on page 2.



Received  
CSUCI Accounting

2009 MAY -7 A 8:29

Invoice #: 00011423  
Invoice Date: 11Apr09  
Invoice Total: 3,893.70  
Direct Bill #: CSUCI  
Contract #:  
Page 1 of 1

CSU CHANNEL ISLANDS  
ONE UNIVERSITY DRIVE  
ATTN: ACCOUNTS PAYABLE△△  
CAMARILLO, CA 93012

C/O	Date	Nts	Guest Name/Folio #	Folio Balance
			<i>YXELZ</i>	
11Apr09	6	Folio #:	91747 - GONZALEZ, JORGE	778.74
11Apr09	6	Folio #:	91748 - RIVAS, CATALINA	778.74
11Apr09	6	Folio #:	92819 - SANCHEZ, FANNY	778.74
11Apr09	6	Folio #:	91746 - SANCHEZ, JAUN	778.74
11Apr09	6	Folio #:	91745 - VILLEDA, ANGELICA	778.74
<div><div><i>NITZIA, CAST ANIERO @ CSUCI.edu</i></div><div><i>Already stub</i></div><div><div>APPROVED FOR PAYMENT - ACCOUNTING DEPT.</div><div>BY <i>[Signature]</i></div><div>DATE <i>5-18-09</i></div><div>ACCT <i>606001</i> <i>TK 910 750 90245</i></div><div>CONTRACT/PO <i>[Signature]</i></div><div><input type="checkbox"/> PARTIAL PAYMENT</div><div><input checked="" type="checkbox"/> PAYMENT IN FULL</div></div><div><i>11</i> <i>IRA Funded</i></div></div>				
Current	31 - 60	61 - 90	Over 90	Total Due
3,893.70				3,893.70

Payment is due upon receipt of invoice. In the event such payment is not made within 30 days after receipt, the it is agreed that the hotel may impose a late payment charge at a rate of 1 1/2% per month [annual rate of 18%] or the maximum allowed by law, on the unpaid balance, and the reasonable cost of collection, including attorney's fees.





Courtyard by Marriott  
Camarillo

4994 Verdugo Way  
Camarillo, Ca 93012  
T 805.388.1020

Jorge Gonzalez  
1 University Dr  
Camarillo CA 93012  
Csuci

Room: 222  
Room Type: QNQN  
Number of Guests: 3  
Rate: \$119.00 Clerk: REC

Arrive: 05Apr09 Time: 04:56PM Depart: 11Apr09 Time: 09:39AM Folio Number: 91747

Date	Description	Charges	Credits
------	-------------	---------	---------

05Apr09	Room Charge	119.00	
05Apr09	City Tax	10.71	
05Apr09	Calif/Local Tourism Fee	0.08	
06Apr09	Room Charge	119.00	
06Apr09	City Tax	10.71	
06Apr09	Calif/Local Tourism Fee	0.08	
07Apr09	Room Charge	119.00	
07Apr09	City Tax	10.71	
07Apr09	Calif/Local Tourism Fee	0.08	
08Apr09	Room Charge	119.00	
08Apr09	City Tax	10.71	
08Apr09	Calif/Local Tourism Fee	0.08	
09Apr09	Room Charge	119.00	
09Apr09	City Tax	10.71	
09Apr09	Calif/Local Tourism Fee	0.08	
10Apr09	Room Charge	119.00	
10Apr09	City Tax	10.71	
10Apr09	Calif/Local Tourism Fee	0.08	

This is a partial listing of guest charges. Subtotal: 778.74

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Camarillo

4994 Verdugo Way  
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T 805.388.1020

Catalina Rivas

1 University Dr

Camarillo CA 93012

Csuci

Room: 229

Room Type: QNQN

Number of Guests: 3

Rate: \$119.00

Clerk: REC

Arrive: 05Apr09

Time: 04:57PM

Depart: 11Apr09

Time: 09:40AM

Folio Number: 91748

**Date**

**Description**

**Charges**

**Credits**

05Apr09	Room Charge	119.00	
05Apr09	City Tax	10.71	
05Apr09	Calif/Local Tourism Fee	0.08	
06Apr09	Room Charge	119.00	
06Apr09	City Tax	10.71	
06Apr09	Calif/Local Tourism Fee	0.08	
07Apr09	Room Charge	119.00	
07Apr09	City Tax	10.71	
07Apr09	Calif/Local Tourism Fee	0.08	
08Apr09	Room Charge	119.00	
08Apr09	City Tax	10.71	
08Apr09	Calif/Local Tourism Fee	0.08	
09Apr09	Room Charge	119.00	
09Apr09	City Tax	10.71	
09Apr09	Calif/Local Tourism Fee	0.08	
10Apr09	Room Charge	119.00	
10Apr09	City Tax	10.71	
10Apr09	Calif/Local Tourism Fee	0.08	

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Camarillo

4994 Verdugo Way  
Camarillo, Ca 93012  
T 805.388.1020

Fanny Sanchez

1 University Dr

Camarillo CA 93012

Csuci

Room: 237

Room Type: QNQN

Number of Guests: 1

Rate: \$119.00

Clerk: REC

Arrive: 05Apr09

Time: 05:02PM

Depart: 11Apr09

Time: 09:40AM

Folio Number: 92819

Date

Description

Charges

Credits

05Apr09	Room Charge	119.00	
05Apr09	City Tax	10.71	
05Apr09	Calif/Local Tourism Fee	0.08	
06Apr09	Room Charge	119.00	
06Apr09	City Tax	10.71	
06Apr09	Calif/Local Tourism Fee	0.08	
07Apr09	Room Charge	119.00	
07Apr09	City Tax	10.71	
07Apr09	Calif/Local Tourism Fee	0.08	
08Apr09	Room Charge	119.00	
08Apr09	City Tax	10.71	
08Apr09	Calif/Local Tourism Fee	0.08	
09Apr09	Room Charge	119.00	
09Apr09	City Tax	10.71	
09Apr09	Calif/Local Tourism Fee	0.08	
10Apr09	Room Charge	119.00	
10Apr09	City Tax	10.71	
10Apr09	Calif/Local Tourism Fee	0.08	

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Courtyard by Marriott  
Camarillo

4994 Verdugo Way  
Camarillo, Ca 93012  
T 805.388.1020

Jaun Sanchez  
1 University Dr  
Camarillo CA 93012  
Csuci

Room: 219  
Room Type: QNQN  
Number of Guests: 3  
Rate: \$119.00 Clerk: REC

Arrive: 05Apr09 Time: 04:55PM Depart: 11Apr09 Time: 09:39AM Folio Number: 91746

Date	Description	Charges	Credits
------	-------------	---------	---------

05Apr09	Room Charge	119.00	
05Apr09	City Tax	10.71	
05Apr09	Calif/Local Tourism Fee	0.08	
06Apr09	Room Charge	119.00	
06Apr09	City Tax	10.71	
06Apr09	Calif/Local Tourism Fee	0.08	
07Apr09	Room Charge	119.00	
07Apr09	City Tax	10.71	
07Apr09	Calif/Local Tourism Fee	0.08	
08Apr09	Room Charge	119.00	
08Apr09	City Tax	10.71	
08Apr09	Calif/Local Tourism Fee	0.08	
09Apr09	Room Charge	119.00	
09Apr09	City Tax	10.71	
09Apr09	Calif/Local Tourism Fee	0.08	
10Apr09	Room Charge	119.00	
10Apr09	City Tax	10.71	
10Apr09	Calif/Local Tourism Fee	0.08	

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Camarillo

4994 Verdugo Way  
Camarillo, Ca 93012  
T 805.388.1020

Angelica Villeda		Room: 205	
1 University Dr		Room Type: QNQN	
Camarillo CA 93012		Number of Guests: 3	
Csuci		Rate: \$119.00	Clerk: REC
Arrive: 05Apr09	Time: 04:53PM	Depart: 11Apr09	Time: 09:40AM
		Folio Number: 91745	
Date	Description	Charges	Credits

05Apr09	Room Charge	119.00	
05Apr09	City Tax	10.71	
05Apr09	Calif/Local Tourism Fee	0.08	
06Apr09	Room Charge	119.00	
06Apr09	City Tax	10.71	
06Apr09	Calif/Local Tourism Fee	0.08	
07Apr09	Room Charge	119.00	
07Apr09	City Tax	10.71	
07Apr09	Calif/Local Tourism Fee	0.08	
08Apr09	Room Charge	119.00	
08Apr09	City Tax	10.71	
08Apr09	Calif/Local Tourism Fee	0.08	
09Apr09	Room Charge	119.00	
09Apr09	City Tax	10.71	
09Apr09	Calif/Local Tourism Fee	0.08	
10Apr09	Room Charge	119.00	
10Apr09	City Tax	10.71	
10Apr09	Calif/Local Tourism Fee	0.08	

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