Instructionally Related Activities Funds Request Spring 2019

▾ Submitter

Submitter Name

Brian Thoms

Submitter Email

brian.thoms@csuci.edu

▾ 1. Basic Details

Activity Title

Field Trip to Cal Tech Earnest C. Watson Lecture Series

Activity/Event Date

April 3, 2019

Date Funding Needed By

February 1, 2019

Previously Funded?

● No
○ Yes

Additional Proposers

Jason.Isaacs@csuci.edu

Academic Program(s)/Center Name(s)

Computer Science

Estimated total Course Fee revenue

N/A

Amount Requested from IRA

2230

Estimated Number of Students Participating

20

2. Brief Activity Description

Describe the activity and its relationships to the educational objectives of the students' program or major

Brief Activity Description

Funds from this IRA will allow a group of CI students to attend Dr. Azita Emami's presentation, "Tiny Chips for Brain-Body-Machine Interfaces." The field trip will provide students the opportunity visit the Cal Tech campus,which consists of unique academic buildings and high-tech labs, as well as attend Dr. Emami's presentation,which is a part of the Earnest C. Watson Lecture Series. Earnest C. Watson lectures feature speakers from Caltech and JPL, speaking on cutting-edge research and are open to the public.

In this specific presentation, Dr. Emami discusses microscale implantable and wearable devices used within the medical field. These devices help millions of patients suffering from chronic diseases such as diabetes and epilepsy. Dr. Emami will discuss how solutions continuously and wirelessly monitor key biomarkers. She will also present efficient personalized devices for future brain-machine interfaces.

More information can be found online here:
http://www.caltech.edu/content/azita-emami-tiny-chips-brain-body-machine-interfaces.

3. Learning Outcomes and Relation of 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.

1. Please list all classes that directly relate to the proposed activity.
2. For each class listed, describe in detail how exactly the IRA activity will be integrated with the class's activities, how often/ on what expected date(s), and to what extent

Learning Outcomes and Relation of IRA to Course Offerings

This activity is directly related to numerous CS courses and for those interested in healthcare. CS-specific courses include:
1.IT 152 - Programming for Health Informatics
2. COMP 162 - Computer Architecture and Assembly Language
3.COMP/ IT429 – Computer Networks
4.COMP447 - Societal Issues in Computing
5. COMP 452 - Computational Bioinformatics (Cross-listed as MATH 452)
6. COMP 462 - Embedded Systems (Cross-listed as EMEC 462)

4. Activity Assessment

Describe the assessment process and measures that the program will use to determine if it has attained its educational goals.
Please note that a report will be due at the end of the semester.

Description of Assessment Process

Students participating in this event will submit a personal reflection on the current trends and future of IoT in healthcare, as discussed during the speaker series.

5. Activity Budget

Please enclose a complete detailed budget of the entire activity. Indicate specific items that you are requesting IRA to fund.

You should use either the Regular Activity budget (for events on campus) or -- if your event involves any travel-- you MUST use the IRA Travel Budget Form.

You can download both of the IRA Excel Budget sheets at http://www.csuci.edu/ira/application.htm.

Activity Budget

IRABudgetFormCalTechTrip-2019.xlsx

6. International Trips

If your event is an international trip submitted through the Center for International Affairs, you must include copies of:

1. Complete Center for International Affairs/ UNIV 392 proposal
2. The program budget as submitted to the Center for International Affairs (to ensure congruency between the two budgets)
3. as well as a copy of the course syllabus

Center for International Affairs Budget

Copy of Center for International Affairs Proposal

Course Syllabus

Certification

☑ I certify that students attending this trip are not previous or repeat attendees of a prior International UNIV 392 Trip

7. Sources of Activity Support

Please list the other sources of funding (including course fees), and exact expected amounts of additional support for the activity. Please indicate if there are no other sources of funding

Other Sources of Funding

There are no other sources of funding.

8. Promoting Participation

What is your intended audience and how do you intend to market this to your students?

Students majoring in computer science and information technology along with students taking cross-listed courses in health sciences are welcome to attend. Students will be made aware of the event through course instructors, flyers and the CS website.

If this is an event that is off campus, how do you plan to bring back the benefit of this event to campus?

Students will write a summary of their experience, which will be summarized and uploaded to the Computer Science blog and posted on the CS website.

9. Sustainability

If appropriate, indicate how the content or delivery of the project promotes sustainability at CI.

Sustainability

NA.

10. Approval and Acknowledgement

Program Chair/Director

Soltys, Michael

Dean

Adler, Mary

Conditions and Considerations

- ☐ **Artist/Performer/Speaker Fees & Honoraria**: On the Activity Budget, please indicate whether the vendor's price was set by you/CI Representative, or is a fee that was set by the vendor.
- ☐ **Large Event**: For a large event, consultation with the campus Event Coordinator's office at (805)437-8548 is required.
- ☑ **Field Trip**: Sponsor must comply with all policies found at: http://www.csuci.edu/rm/programs/academic-field-trip-guidelines-and-forms.htm. If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).
- ☐ **Involves Human Subject Data Collection for Public Dissemination -Requires IRB Approval** : If Project Sponsor proposes to conduct research with human participants, the proposal may be subject to Institutional Review Board for the Protection of Human Subjects (IRB) review. All research that involves any type of interaction with human subjects - from simple surveys to complex biomedical procedures - must be reviewed and approved by the IRB prior to starting the research. Data for "Public Dissemination" indicates interviews/surveys that result in a journal/poster session/newsletter, etc.
- ☐ **IT Requirements**: If your activity has IT requirements, coordination with and approval from IT Administration is required.
- ☐ **International Travel**: Requires International Travel application be submitted to Center for International Affairs. Include copy of CIA budget and course syllabus in your IRA application. Must utilize the University's Foreign Travel Insurance Program (FTIP) and follow all International Travel Guidelines listed at: http://www.csuci.edu/rm/insurance/foreign-travel.htm
- ☐ **Risk Management Consultation**: Events that involve or engage students directly with a performer or artist (i.e. in a workshop or other than as a passive audience member) will require consultation with Risk Management. Requires proof of correspondence with Risk Management.
- ☐ **Space/Facilities Services Requirements**: Consultation and coordination with Facilities Services is required.

Acknowledgement

- ☑ I acknowledge that I have reviewed and accepted the Conditions and Considerations herein. Please check off boxes as appropriate.

Chair Review

Recommendation

- ● I recommend approval of the IRA Funds Request described on this page
- ○ I DO NOT recommend approval of the IRA Funds Request described on this page

Comments

A great opportunity for our students to visit CalTech and witness top scientific work.

Michael Soltys-Kulinicz   Oct 1 2018

Dean Review

Recommendation

- ● I recommend approval of the IRA Funds Request described on this page
- ○ I DO NOT recommend approval of the IRA Funds Request described on this page

Comments

This is an exciting event and venue for CI students. Needs related learning outcomes/program objectives in item 2 or 3. Given the cost, it would be helpful to make a case for why the RoadRunner shuttle is needed instead of having students carpool to the event.

Marion Adler   Oct 9 2018