

Cal Poly Internet2 Minigrants – Phase 3

Request for Proposals Due Date: November 30, 2004

Background

The Cal Poly Internet2 (I2) Champions are soliciting proposals for Minigrants to fund projects related to Internet2. Internet2 is a consortium of over 200 Universities working together to deploy advanced networks and networking applications. As part of our participation in Internet2, Cal Poly is connected to the other participating Universities via a very high-speed backbone network.

The Cal Poly I2 Champions are looking for proposals that will utilize the capabilities of this network to facilitate creative teaching and research opportunities on the Cal Poly campus. Our objective is to jump start projects that will raise awareness of the capabilities Internet2 provides to the campus.

This request for proposals is the third phase. Seven Phase 1 projects were completed during 2003/2004 (see http://www.i2.calpoly.edu/PhaseOneReports/phase_one_mini_grant_reports.htm). Another six projects are currently under way in Phase 2. Approximately \$30,000 has been allocated for Phase 3 funding. Maximum grant size will be in the \$5000 range, but may vary based on the number and quality of proposals received. Grants awarded during Phase 3 will be available for spending during the Winter and Spring 2005 quarters. Spending must be completed before the end of the Spring 2005 quarter.

Internet2 Minigrant Projects

Eligibility

All Cal Poly Faculty and Staff are eligible to apply.

Possible Project Topics

The purpose of these Minigrants is to facilitate the use of Internet2 in both Teaching and Research at Cal Poly (see Cal Poly I2 Goals/Objectives at the end of this document). Also, one of the goals of national I2 Consortium is to facilitate collaboration between I2 member organizations. We will look for proposals that advance these objectives.

Example projects include (but are not limited to):

- Use of I2 for collaborative teaching via live interactive video
- Digitized video distribution
- Remote sensing/instrumentation use in either teaching or research
- Collaborative research using video conferencing
- Access to resources (super computers, grid computers, Physics accelerator data)

Recipient Obligations

Final Report/Presentation

There are three final reporting requirements:

1. **Presentation:** One objective of this funding is to help advance the use of I2 on campus. To facilitate this each project director will be asked to give a short presentation on the work done

(learnings, results, frustrations and next steps). The presentations will be scheduled during the Winter and Spring 2005 quarters, most likely during a UU hour brown bag lunch.

2. **Poster:** Be prepared to present a poster board at a CalPoly “Internet2 day on Campus” or a similar event. We are planning to have such an event during the 2004/2005 academic year. Each project director will be asked to develop a poster board describing their work.
3. **Final Report:** A final report (maximum of 2 pages) on the use of these funds and results must be turned in towards the end of the Spring 2005 quarters. The exact date will be communicated to the recipients.

Use of Funds

Funding in the past has been used mostly for student support, equipment and travel. While it can be used for salary support for faculty (released time, added compensation, or a combination of these), the relatively small amounts available make it difficult to use for faculty support. In addition, the funding period does not include the Summer 2005 period; this is due to constraints imposed by the funding agency.

Funding Source

Funding for these projects is provided through a grant from the Office of Naval Research (ONR) in support of Cal Poly’s Technical Park initiative (see <http://www.c3rp.org>).

Proposal Submission

Phase 3 Important Dates:

- Phase 3 proposals due: November 30, 2004.
- Funds will be available as soon as a funding decision is made (beginning of Winter 2005 quarter).
- Phase 3 funds must be spent prior to the end of the Spring 2005 quarter.
- A final report on use of these funds must be turned in by the end of the Spring 2005 quarter.

Proposal Package

One hard copy proposal package must be sent via campus mail to Franz Kurfess, Department of Computer Science. See <http://www.csc.calpoly.edu/~fkurfess/Internet2/Minigrants-05/index.shtml> for supporting documents.

The proposal package must include:

1. Cover Page
2. Proposal document (2 pages; see web page for correct format)
3. Separate budget overview (line items, brief explanation, and totals)
4. Project Director’s *Curriculum vitae*/Resume

Criteria for Evaluation

In addition to standard criteria including feasibility, significance and the qualifications of the project director, the following criteria will also be considered:

- Use of I2 capabilities to carry out the project
- High visibility projects
- Projects that are likely to lead to new outside funding opportunities (e.g. NSF grants)
- Involve collaboration between colleges

- Involve collaboration outside of Cal Poly

Help with Proposal Development

Each college at Cal Poly has an Internet2 champion. The role of the college I2 champion is to facilitate the use of I2 in their college. Your college's I2 champion can help you in developing your proposal and in learning more about the capabilities of I2. See www.i2.calpoly.edu for the list of I2 champions.

The Computer Science department has many students needing technical projects for senior project work. These students may be able to help with computer/networking issues that you encounter in your research/teaching. Please feel free to contact Franz Kurfess (fkurfess@calpoly.edu) or Hugh Smith (husmith@calpoly.edu) for more information.

Cal Poly Internet2 Champion Goals and Objectives:

The CalPoly I2 Champions are representatives from each college (see <http://www.i2.calpoly.edu>). This group has identified the following as its goals and objectives:

Goals

- Facilitate Creative, Collaborative Teaching (in the classroom and via student projects)
- Facilitate Faculty research
- Provide access to Resources

Objectives

- **Increase Faculty Involvement** – Increase the number of faculty that are using I2 for research, collaboration and teaching.
- **Increase I2 Visibility on Campus** – This will involve getting the word out to both faculty and students about the possibilities of I2
- **Find Creative Infrastructure Uses** – Are there other ways to use I2 to provide added value.

About Internet2:

Internet2 is a consortium being led by 200 universities working in partnership with industry and government to develop and deploy advanced network applications and technologies, accelerating the creation of tomorrow's Internet. Internet2 is recreating the partnership among academia, industry and government that fostered today's Internet in its infancy. The primary goals of Internet2 are to:

- Create a leading edge network capability for the national research community
- Enable revolutionary Internet applications
- Ensure the rapid transfer of new network services and applications to the broader Internet community.

(This description is taken from the Internet2 consortium Web page, <http://www.internet2.edu/about/aboutinternet2.html>).