

University of California Larry L. Sautter Award

for

Innovation in Information Technology

Nomination for:

UCI's Electronic Educational Environment (EEE) Web Site:
Course Web Site Hosting and Instructional Tools

UCI Network & Academic Computing Services
Instructional Web Technologies (IWT) Group

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ENCLOSED TOPICS

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ABSTRACT

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UCI's EEE Web Site: Course Web Site Hosting and Instructional Tools
UCI Network & Academic Computing Services
Instructional Web Technologies Group

ABSTRACT

UCI's Electronic Educational Environment (EEE) Web site (<http://eee.uci.edu/>) is an easy-to-use, flexible, and scalable instructional technology toolkit. EEE resources are available to all UCI faculty, teaching assistants, students, and staff members who support the instructional technology efforts at UCI. The services provided by the EEE Web site are user friendly, adaptable in nature, and driven by the needs of faculty who see a value in using instructional technology to enhance their teaching and help students learn better. EEE is a UCI homegrown courseware application environment that has been developed and maintained since Fall 1995 by the Instructional Web Technologies Group (IWT) in UCI's Network & Academic Computing Services (NACS).

EEE core services include: Web based course administration tools, Web based solutions for increasing student access to course materials and other educational resources, communication tools for enhancing discussion and providing a means for immediate feedback.

EEE's Primary Components

The EEE Web site supports three major instructional technology functions: Web hosting services, Web based productivity tools, and individual MyEEE customized Web pages. Web hosting services are available to all UCI courses scheduled in UCI's Schedule of Classes and broader instructional initiatives utilizing technology (called educational programs). Web based productivity tools include course communication, administration and content management tools. An overview of each primary function follows:

1. Web Hosting

- **Course Web Sites:** A central repository of course Web sites (<http://eee.uci.edu/courses/>)
- **Program Web Sites:** A repository of UCI's educational program sites (<http://eee.uci.edu/programs/>)

EEE Web sites are openly available on the WWW unless instructors choose to restrict access to UCI connections or by setting a password.

2. *Productivity Tools*

EEE's toolbox includes tools that assist instructors with their course management. The following tools are available to all UCI courses. From the consistent feedback we have received by faculty who use EEE regularly, the following tools have proven to be an essential part of teaching large courses at UCI.

Communication Tools:

- **Course Mailing List** allows the broadcasting of e-mail to all enrolled students using a single e-mail address. The option to enable 'discussions' allows students to send e-mail to the class using the same address.
- **NoteBoard** is a Web based bulletin board that creates a forum for class discussion available to both instructors and all enrolled students.

Course Content Management Tools:

Three options are available to publish course information using EEE's **SiteManager** tool:

- **FileManager** allows file upload and on-line management of course materials.
- **EZE3** allows a simple copy-and-paste method for publishing a course Web site all within a Web based form.
- **CourseLinker** allows course Web sites not located on the EEE Web server to be linked to both EEE's Course Web Site Index page and appear on an enrolled student's MyEEE page (MyEEE is described under "3. MyEEE Resource Page" section below).

Course Administration Tools:

- **GradeBook** allows posting and distribution of grades.
- **EEE Roster** provides real time student roster information to faculty.
- **Course Evaluations** allow feedback from students.
- **AssistantEditor** allows faculty to add and manage teaching assistants access to all EEE course tools.
- **Planner** helps to organize a week at-a-glance.

3. *MyEEE Resource Page*

The MyEEE resource page is a customized Web environment that links to specific resources available to an individual. This individual may be a faculty member, student, teaching assistant, or staff. Upon login to the EEE Web site, an individual will enter a unique MyEEE environment. A description of MyEEE based on type of individual follows:

Faculty MyEEE Resource Page: This environment is unique to individual faculty and contains course information associated with each particular instructor. Instructors have access to course tools, information, and resources for each class they are teaching.

Faculty can choose to utilize as many or as few tools as they desire within MyEEE. Tools that are offered to faculty are mentioned under “2. Productivity Tools” section above.

Student MyEEE Resource Page: This environment provides students with access to course information and resources for each course they are enrolled in. Students have access to the following resources:

- **Planner** provides the ability to modify the week-at-a-glance.
- **Course Content Materials** include any material that instructors provide on the Web.
- **Grades** provide access to individual grade results and an optional class distribution graph.
- **Evaluations** allow students to fill out an on-line, confidential course evaluation form.
- **E-mail Archives** include the archive of all e-mail sent to the course mailing list.
- **NoteBoard** allows access to an on-line bulletin board for each class.

Teaching Assistant MyEEE Resource Page: Teaching assistants can be granted access to the same course tools and resources that instructors have access to. Access is granted by the official instructor of the course and can be complete or limited to only selected course tools. Teaching assistants also have access to Student MyEEE Resources for any course they are enrolled in. Therefore, teaching assistants have both the faculty view and student view while working with EEE resources.

EEE In Action

Some classes use course materials located on an EEE course Web site as part of their in-class teaching. Students can later refer to the same material on EEE for further study. Below are some examples of how EEE is being used for instruction.

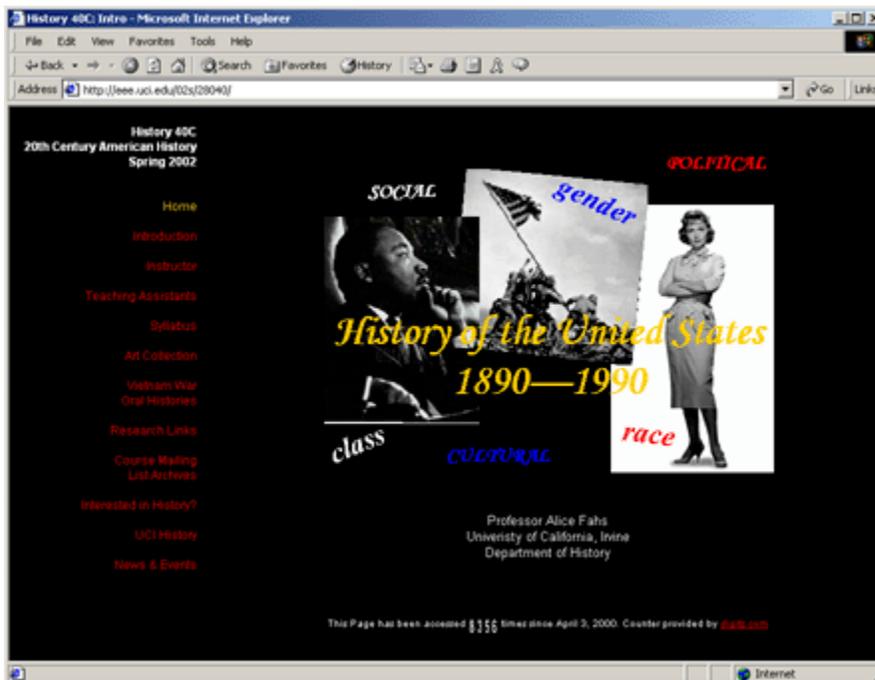


Alan Terricciano, associate professor in the Claire Trevor School of the Arts, teaches the Arts Core class each Fall. This class consistently has over 400 enrolled students. Teaching in one of UCI's technology enhanced classrooms, Alan directly accesses his EEE course content on-line during his twice weekly lectures.

Alan's Arts Core Web pages are created fresh, every week, based on current events that relate to the core topics of the class. By building new Web pages that incorporate current events, the course material is up-to-date and relates to the world the students currently experience. In addition to the pages that Alan creates for his site, he also takes the opportunity to link to external information available on news, education or other suitable Web sites.

Alan keeps this course Web site available on EEE so that students may review the material presented at any time. A percentage of each test given in this course directly pulls its content from the Arts Core Web site materials. Alan's course Web site is password protected to allow access to students in his class.

Another course utilizing instructional technology is taught by Alice Fahs, professor of History, (<http://eee.uci.edu/02s/28040/>).



Alice uses EEE to host a Course Web Site for History 40c - 20th Century America. More than one hundred images are easily accessible to the 394 enrolled students. The course syllabus, instructor and teaching assistant information, research links, and a spectacular pictorial slideshow of Vietnam are also available 24 hours a day on the EEE Web site.

Dr. Rudi Berkelhamer's course is another example of a large class utilizing EEE to its full extent (<http://eee.uci.edu/02s/07200/>). Rudi is a lecturer from department of Ecology and Evolutional Biology who teaches undergraduate courses.



On Professor Rudi Berkelhamer's Course Web Site for Biology 100 LW - Experimental Biology Laboratory, the 344 enrolled students can quickly locate the course syllabus, lab and lecture schedules, reading and homework assignments, and links for further information. The Web site layout is very strong, emphasizing well-organized content over graphics.

Scalability

EEE's development is based on open source technology and open source standards. Hence, EEE is platform independent, portable, and is compliant with open source established guidelines. The EEE application environment is easily transportable. EEE or any part of EEE is available free of charge to any UC campus.

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PROJECT DESCRIPTION

EEE is a supplemental instructional technology toolkit that is available to assist faculty in course management and communication while giving students greater access to course materials and resources. An extensive overview of each EEE tool is described below. EEE serves two primary purposes:

EEE Web Hosting

- **Course Web Sites:** A central repository of course Web sites (<http://eee.uci.edu/courses/>).

The EEE Course Web Site Index is a central location for UCI on-line course materials. Any on-line course materials, whether located on the EEE Web server or other Web server, can be easily listed on the EEE Course Web Site Index. Free and unlimited course Web space on the EEE Web server is provided to all UCI faculty and teaching assistants wishing to host course materials.

Course Web site contents vary based on the specific needs of an individual course. The majority of EEE courses utilize a syllabus, class schedule, and a library of useful links related to UCI or the course content. Other popular course features include: lecture notes, course outline, homework/quiz keys, PowerPoint or overhead presentation slides, multimedia (images, sounds, or video), fill-in forms (interactive surveys or questionnaires), links to student projects, hand-outs (including sample projects or exams), and downloadable files (html, pdf, word, excel, or other formats).

- **Program Web Sites:** A repository of UCI's educational program sites (<http://eee.uci.edu/programs/>)

The EEE Program Web sites support instructional technology beyond the classroom experience and allow instructors to utilize instructional technology resources for any specific means to serve education. An example of a program site is the Spider Project (<http://eee.uci.edu/programs/spider/>). Spider is a partnership between many UCI faculty and other UC campuses. Spider provides a publicly available on-line database of modular, searchable, peer-reviewed learning materials that instructors can integrate easily into their own courses and classroom activities.

The EEE platform also enables faculty to get their educational project off the ground while seeking funding resources or other means of support for more

expansive and general instructional technology initiatives. Humanities Out There (H.O.T), <http://web2.hnet.uci.edu/hot/>, is an example of such a project. H.O.T. is an outreach program between UCI's School of Humanities and local schools in cooperation with UCI's Center for Educational Partnerships. After receiving technical support and guidance from IWT group members for its initial incarnation as a prototype on EEE, H.O.T. was successfully moved to the Humanities Web server.

Productivity Tools

Communication Tools

- **Course Mailing List** tool enhances the course experience by increasing student participation with an announcement or discussion e-mail list. Course mailing list is a configurable tool. The tool behavior can be changed with the Mailing List Editor tool. Many features have been added to this tool upon faculty request. As an example, the ability to add the teaching assistants and auxiliary members to the mailing list was suggested by instructors for large courses with multiple course administrators and it was immediately incorporated. Students and faculty enjoy the fact that all messages are archived on the Web and linked from their MyEEE pages. Users can utilize their own e-mail account to mass e-mail the entire class. From the instructor's point of view, course mailing lists are maintenance free, meaning the EEE systems makes all the updates according to the enrollment data received from the Office of the Registrar/SAIS.
- **NoteBoard** tool is a Web based bulletin board that creates a forum outside the classroom for students to share questions, answers, and opinions. NoteBoard allows instructors to conduct virtual office hours. It also allows anonymous posting for sensitive discussions. NoteBoard has its own editor that allows instructors to modify the tool's behavior and change the format of message display. Based on suggestions from faculty we recently added a feature to NoteBoard that allows threaded discussion.

Course Content Management Tools

EEE's **SiteManager** tool is extremely adaptable to the faculty's need and level of technological competency. Offering three layers of support for putting content on a course Web site, the SiteManager also gives faculty the flexibility to change their mind and select an alternate method for publishing course materials. Keeping it simple is the theme that is carried throughout the entire EEE system. The three methods to publish course information include:

- **FileManager** allows faculty to request unlimited Web space on the EEE Web server and upload and manage files on their course Web site. FileManager's

features include: file upload, HTML editing, removing and renaming files, creating folders, and restricting access (to UCI connections or by setting passwords).

- **EZE3** tool was built at the suggestion of a Biological Sciences faculty member. EZE3 requires no knowledge of HTML or commercial Web authoring software and allows an instructor to post course information using a simple Web based form. In addition to the ability for faculty to cut-and-paste existing documents into the Web page, the EZE3 template includes fields for entry of instructor contact information, course time and location, relevant class links and even what colors the instructor wants the page to display.
- **CourseLinker** tool allows instructors to redirect students to course materials located on a server other than EEE, providing transparent access to all UCI courses regardless of their Web location.

Course Administration Tools

- **GradeBook** allows posting of homework, quiz and test grades securely on the Web. Grades published by instructors are automatically sent to students via individual e-mail or linked from a student's MyEEE page.
- **EEE Roster** provides real time student roster information to faculty.
- **Course Evaluations:** The Midterm Evaluation portion of this tool provides immediate student feedback to instructors while a class is still in session. This feedback enables faculty to make changes and enhancements during the remainder of the course. This tool and the feedback directly impact the quality of teaching at UCI. The Final Evaluation portion of this tool provides end-of-term evaluation for improvement that will benefit the instructor and/or the next class. Both tools are the result of collaborative efforts between Instructional Web Technologies and UCI's Division of Undergraduate Education.
- **AssistantEditor** allows faculty to give teaching assistants access to EEE course management tools and resources.
- **Planner** helps to organize the week at-a-glance. EEE users can enter regularly occurring events, modify as needed and print the planner in a friendly format.

Why EEE Stands Out?

Recently, UCI's Distance Learning Center (DLC), which hosts UCI on-line degree and continuing education courses, chose to migrate to the EEE system from a commercial

package because they found EEE easy-to-use and believe that EEE will give instructors and content developers more control over managing course materials and resources.

Reasons why the EEE Web site environment is better than competitive commercial courseware products:

- *Control:* EEE programming staff have direct access to the source code for all the tools and resources. When a new feature is requested or an error occurs, upgrades and corrections can take place immediately.
- *Flexibility:* The EEE Web site programming environment is flexible and tools can easily be expanded to incorporate new features. When faculty asked us to make anonymous posting (for sensitive discussions) possible on NoteBoard, this feature was added as a new option without compromising any other features within this tool.
- *Ease of use:* EEE is easy to use. We have recently conducted a study working with Professor Alfred Kobsa from Information and Computer Science (ICS) who teaches a course on Human Interface Design. Graduate students in his ICS 205 course took segments of EEE and began critical research on EEE's interface usability. The students applied the principles learned in ICS 205 when evaluating each EEE tool's degree of usability and the results were promising. Overall, this study indicated that EEE usability based on user experience was quite high. All suggestions for enhancements and improvements provided from the study are presently being incorporated into EEE.
- *Faculty driven:* EEE is absolutely a product of UCI Faculty. Faculty input is encouraged and taken seriously. The EEE programming team continually incorporating new features, tools, and services based on faculty recommendations. EEE is and will continue to be a product of the faculty who use the site as a supplement to their teaching. As an example, the EZE3 tool was requested by a faculty member from School of Biological Sciences who wished he and his colleagues could simply copy-and-paste their course materials to the Web without knowledge of HTML or Web software. Based on interaction with this faculty member, sharing his ideas and goals, the EZE3 tool was born. Since then EZE3's popularity with faculty has grown and its use continues to increase each quarter.
- *More choices:*
 - The EEE Web site provides a range of services for faculty to choose from. Faculty have the option of incorporating as much or as little instructional technology tools into their teaching as they require. Some faculty use only their course mailing list while others have a course Web site, post their grades on-line, use multiple communication tools, and seek student feedback using the Evaluation tool. Therefore, those new to EEE can utilize tools at their own discretion, as the need arises, while experienced users can use multiple tools for all their courses, all the time.
 - All EEE tools, with the instructor's permission, can be made accessible to teaching assistants. EEE allows multiple instructors and teaching assistants to take advantage of the same resources for each course.

- Faculty are allowed to try different tools or resources and change their mind at any time. For instance, Faculty have the opportunity to add, remove or modify on-line course content at any time they desire using SiteManager.
- Faculty have unlimited access to Web space.
- *Global collaboration and global access:* The EEE Web site promotes global collaboration, as EEE Course content is, by default, available on the WWW. Faculty can choose to limit access to segments of the course material but keep the syllabus and other material easily available. This helps the students to learn more about the courses they may wish to take while helping faculty to review peer teaching content and promote collaboration.
- *Archival:* EEE course Web sites and course mailing list communication messages are archivable and easily retrievable via the Course Web Site Index and Course Mailing List Index.
- *Access Control:* EEE course Web pages can be password protected or locked by domain to allow protection of materials that should not be available via the WWW.
- *User friendly:* EEE is geared toward different levels of technological competency. Faculty with more experience utilizing technology in their teaching that would need more control over their environment can take advantage of advanced features in EEE tools. Others, who prefer a simple Web interface, can use EZE3 to manage their Web site and have the basic options available to meet these needs.
- *Portability:* EEE is based on open source standards, is compliant with W3C (<http://www.w3c.com/>) standards and it is platform independent.
- *Staff:* EEE has programmers, Web designers, and consultants that are competent and happy to meet and help individuals one-on-one.
- *Infrastructure:* EEE is also available as an infrastructure or a foundation for any UCI educational programs that need the initial support and environment while they are seeking other means of funding or support. (An example is: Humanities Out There, <http://eee.uci.edu/programs/hot/>).
- *UCI computer labs:* The Instructional Web Technologies group also maintains a campus-wide resource regarding UCI open access computing labs. This section of the EEE Web site allows faculty and students to easily locate available computers on campus to take full advantage of technology utilized on EEE. Lab locations and computer types are available at <http://eee.uci.edu/labs/open/>.

EEE History, Present, and Future

UCI's EEE was originally outlined in the [Appendix \(http://eee.uci.edu/about/EdTechTF.FR.A.html\)](http://eee.uci.edu/about/EdTechTF.FR.A.html) of the [Report \(http://eee.uci.edu/about/EdTechTF.FR.html\)](http://eee.uci.edu/about/EdTechTF.FR.html) of the Chancellor's Educational Technology Task Force of December 1995.

Since 1995 EEE has been a creative collaboration of professional staff from The Network & Academic Computing Services, the Office of the Registrar, the

Division of Undergraduate Education and the UCI Libraries. The services provided by EEE are flexible and driven by the needs of faculty who see a value in using technology in teaching. Members of the Instructional Web Technologies Group within Network & Academic Computing Services are solely responsible for the EEE Web site's maintenance and upgrade in regard to ongoing development.

Up to now EEE has been an instructional technology toolkit that is supplemental for faculty and their lectures. Beginning summer 2002, as part of a new collaboration with UCI's Distance Learning Center, EEE will begin to deliver fully on-line distance education, including supporting all the instructional technology needs for the new On-line Master of Advanced Study in Criminology, Law and Society.

IWT Group's Nomination

The Instructional Web Technologies group's (IWT) primary objective is to facilitate and support the UCI campus by providing faculty instructional technology support and training, instructional technology consulting and Web development, including participation in the EEE Collaboration. The Instructional Web Technologies group's primary responsibilities are to maintain and enhance the EEE Web site and its productivity tools while providing continuing faculty support and development. The IWT group is faculty driven. When a faculty member proposes an idea for a new feature or enhancement for the EEE toolbox, IWT makes it happen. Faculty members across all disciplines help the IWT group to consistently add new services and tools that help to serve UCI campus instructional technology needs in a more effective manner. The IWT philosophy is to Keep It Simple (KIS). IWT staff work hard to make EEE as easy to use as possible, expanding EEE resources without increasing complexity.

This is a nomination to honor staff members, Shohreh Bozorgmehri, Eric Carter, David Pritikin, and Briandy Walden whose efforts directly impact the EEE Web site tools, content and day-to-day support and functions. The staff members have been fulfilling EEE demands above and beyond duty and enjoy the challenge of being part of such a dynamic and rapidly changing initiative. EEE Web site maintenance and enhancement is their career passion. More information about each nominee's background is available under "Supplemental Information" section.

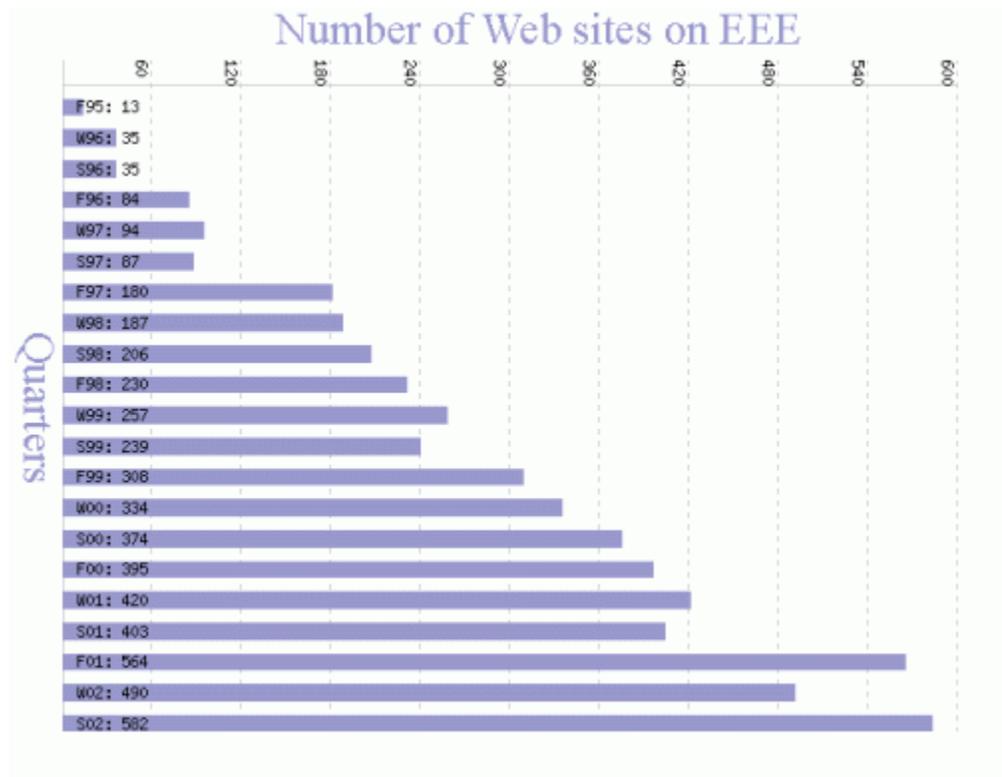
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SUPPLEMENTAL INFORMATION

EEE Statistics

The following graph displays EEE's growth of course Web site hosting. In the fall of 1995, EEE was launched with a total of thirteen course Web sites. As of spring 2002 EEE is hosting 582 courses. This is the highest number of courses EEE has ever achieved. From the growth chart it is obvious that EEE is growing rapidly.



Further data on the EEE Web site and its users:

Interesting information on EEE*	
Unique Logins on EEE from April 1 to April 23, 2002	11,756
Students with access to EEE resources	20,746
Total number of classes that are capable of utilizing EEE resources*	5,416
Web pages hosted or linked from EEE	583
Classes using EEE's "Course Mailing List" feature	1,105
Campus wide information	
Scheduled courses	8,072
Scheduled lecture type courses	1,246
<i>* This information is current as of April 23, 2002</i>	

Benchmarking

In September 1998, EEE assembled a group of faculty to evaluate and compare the two most popular commercial courseware products, WebCT and BlackBoard, with the tools and services available on EEE. The faculty members were taught about the commercial packages' functionality and were given the opportunity to test and use each product, hands-on, in a computing lab environment. Faculty feedback indicated that they found WebCT difficult to use and that BlackBoard lacked important customizing features, such as the course Mailing List Editor tool, that were available on EEE by default. The conclusion from this evaluation was that EEE better met the campus' instructional technology needs than the leading commercial products available.

EEE Project Satisfaction Data

EEE has both conducted and been involved with several surveys and studies dealing with instructional technology as it relates to students and faculty at UCI. EEE was involved with the Student Informatics Readiness survey (1998), Faculty IT survey (1999), Campus-Wide Computer Lab survey (2000) and EEE Student Focus Group sessions (2002). Additionally, a detailed accounting of comments, suggestions, or issues sent to EEE via eee@uci.edu or the "Contact Us" Web page is kept so that user concerns can be addressed and recommendations implemented.

Instructional Technology Team members are constantly involved with faculty projects, training and workshops. The approach of working closely with faculty and being at their side through the process of using technology enables more effective communication,

thereby fostering new ideas and identifying individual needs. Following are a few e-mail messages from users of EEE who appreciate what EEE has to offer:

Dr. David A. Brant, UCI Professor, Chemistry, wrote:

“Dear Team, I have been using your Web Site actively for the past three weeks to construct the Web Site for my own course (40370). I have found your site convenient to use, quite responsive in terms of the speed of most of the operations I want to carry out, and largely free of glitches. Of course, I have not tried even half of the features, but so far, so good. When I have searched for a function, I have found it. Thanks.”

Dr. Nina K. Leacock, UCI Associate Lecturer, Humanities, wrote:

“Hello EEE team, I just wanted to tell you that you guys do a GREAT job. I taught at a 'big name' school last year, and had nowhere near as good an experience with the technology support. I use my class lists regularly, and I really, really appreciate how easy you make it. Thanks!”

Dr. Rudi Berkelhamer, UCI Lecturer SOE, Department of Ecology and Evolutionary Biology, wrote:

“I am a great fan of the EEE course web site and its utilities. I make use of the course web pages, course mailing list, GradeBook, online evaluations, EEE Roster and NoteBoard. I particularly find these tools helpful in my large non-majors introductory biology class. I teach 2 simultaneous sections of Bio Sci 1A and use the EEE tools extensively to keep students informed about the course, assignments, and grades. This saves an immense amount of time and insures that students have access to the most current information. I don't pass out a paper syllabus because I consider the dynamic syllabus on the website to be preferable since it's always up-to-date. Due to the nature of my course, I use some unique tools and some others in what may be novel ways. For example, I use the NoteBoard for electronic office hours the night before midterm and final exams. In this way, I am able to answer student questions as they do their final studying and make their questions and the answers available to the entire class. Before I started doing this, I received innumerable e-mails the night before the exam and found myself answering the same question repeatedly and, even then, only for a small portion of the class.

Another extraordinarily helpful tool has been a web form that allows the 600 students in my class to sign up for their 4 choices out of 30 different field trips. I wrote the form after attending an EEE workshop and am aided each quarter by the EEE staff to insure that it runs properly. Students submit a form listing their 1st through 4th choices. They receive a confirmation web page, I receive an e-mail with their form information, and the form data is entered into a text file that I import into Excel to quickly assign 600 students to the 30 trips. Before we started using this form, students individually e-mailed the instructors and were assigned to trips, an extremely time-consuming task. Now we do the trip assignments in about two hours.

The staff have been incredibly helpful with personalizing the EEE site and its utilities to my individual classroom needs as well as soliciting general feedback and responding to feedback about the tools they develop. They are very concerned with making the site user-friendly and are always looking for ways to improve. They deserve kudos for an extremely useful (and dynamic!) web site!"

Dr. Ellen Strenski, UCI's Interim Director of Composition and Course Director of WR 39C , English and Comparative Literature, wrote:

"Dear Shohreh, I'm so glad you asked me to write a few lines about the EEE Tools, because I am so grateful for these resources, particularly class listservs and the Mailing List Editor, and I know that I speak on behalf of the approximately 100 instructors each year who teach the composition course, WR 39C ("Argument and Research"), that I supervise. The Mailing List Editor is intuitively easy to use, and increasing numbers of writing instructors are relying on their class listservs to function as a means whereby students can practice their writing and serve as peer editors for each other's drafts. Indeed, at the moment I am working with a graduate student teaching assistant in the English Department and another lecturer in the Composition Program on an article that we three are writing for publication about using email for student peer review. This pedagogical opportunity would be impossible or at least discouraging in an institution unlike UCI that did not have such a wonderful resource. I think UCI is really special in that respect because when I talk about composition at various meetings and conferences in California and nationally, people express surprise at the ease with which UCI instructors can require students to communicate on the class listservs, and I always feel so lucky to be working here at UCI and have available this wonderful tool from EEE. Thank you."

Anonymous comment from 1999 EEE user survey:

"EEE has made my academic life much easier at UCI. I hope it expands to include many other classes in the future. You have done a great job that has enhanced my knowledge of UCI community. Thanks a lot."

Anonymous comment via EEE@UCI.EDU E- mail:

"I applaud what's already been done in the EEE initiative. I just returned from sabbatical and it's been obvious major progress has been made. The quality and efficiency of our teaching will improve."

Information About Nominees

Background information about Instructional Web Technologies staff members follows:

Shohreh Bozorgmehri – *Manager*

Shohreh joined UCI in September 1994; she soon started teaching UCI's first courses on WWW and HTML, which became the foundation for EEE faculty training later in 1995. Shohreh's active participation in WWW technologies led her to become the hands-on team leader for deployment of the EEE project. She has been contributing a great deal to EEE's vision and direction. Shohreh sets high standards. Shohreh currently manages the IWT group. She works with academic departments and other units to enhance and better integrate electronic educational services and support. She actively participates in EEE collaborative efforts. In addition, Shohreh serves as a charter member of UCI's Distance Learning Center Advisory Board (UCI DLC) and serves in academic committees to provide information on instructional technology. She is active member of the UCI EEE collaboration. Shohreh is being nominated for her leadership, vision, and dedication to EEE Web site's success.

Eric Carter – *System Administration, Webmaster, and Programming*

Eric joined the IWT group in September 1998. Since he began his involvement with the EEE project, Eric had made revolutionary changes to EEE's technical infrastructure and programming environment. Eric is solely responsible for EEE's Web server hardware and software. In addition to his talents as a system administrator, Eric continues his work as the senior programmer on the team. His role includes developing and maintaining EEE tools such as SiteManger, EZE3, and many others. Eric also took on the initial challenge of implementing significant changes to existing tools, making them more efficient and easy to use. Eric has also been leading the campus with his unique technical expertise in and vigorous support of open source technologies. Eric is being nominated for his ongoing contributions to the EEE Web site's success by incorporating better, newer, faster, and less expensive instructional technology solutions. Eric's tireless efforts in supporting EEE's core technologies and tools are a key factor in our success. He makes things happen!

Briandy Walden – *Web Design, Information Architecture and Faculty Support*

Briandy joined the IWT group on March 1999 as a part-time student Web designer and programmer assistant. She immediately began her contributions to EEE and faculty by creating and teaching the "Instructional Web Design" workshop. This workshop has consistently been highly rated and has become one of EEE's most popular workshops. In September 2000, Briandy was hired as a full-time career staff member. She continued to redesign the entire EEE site, improving user experience, ease of use and navigation. Briandy revolutionized the EEE Web site by enhancing tool interfaces and creating extensive support documentation. She made access to information easier and faster. Briandy is the department's campus contact for issues related to Web usability, accessibility and design. She serves in UCI's campus-wide Web Accessibility Initiative (WAI). Her primary objectives are to make sure EEE is compliant with W3C standards and is usable and accessible to the entire UCI campus community. Briandy is being

nominated for her devotion to refining EEE's overall Web site architecture, including content and design. In addition, she is being nominated for her ability to easily transfer her technical expertise to a non-technical user. She makes things look simple!

David Pritikin – *Quality Assurance, EEE Support and Training*

David joined IWT in April 2001, just as EEE was beginning to experience a sharp increase in use across campus. David has managed the support of this growth utilizing an approach that blends a rapid response time to user concerns with extraordinary attention to detail. As an exceptional problem solver, David also acts as the EEE Web site Quality Assurance expert by testing and re-testing tools for soundness before they are made available to faculty and students. The performance of all EEE tools, new and old, has increased exponentially with David's input and high standards of quality. David uses his thorough understanding of EEE tools and resources not only to effectively troubleshoot support issues, but also to educate. Several times a quarter, he teaches an introductory faculty seminar on instructional tools that are available on EEE. Additionally, David created and teaches a workshop that gives faculty an introduction to Capturing and Manipulating Images for the Web. David is being recognized for his dedication to support of our faculty and students. He solves problems and keeps EEE's clients happy.

And Our Special Thanks...

We would like to emphasize that EEE is a collaborative effort that is made possible due to the efforts of many groups on our campus. The EEE Web site is continuously enhanced by faculty/student comments and suggestions for both improvement and development. We would like to thank the entire UCI faculty who have contributed content, utilize EEE resources, and communicate their experiences. Also, we acknowledge and thank the academic staff that provide faculty access and also support our efforts. The EEE partners (UCI Library, Network & Academic Computing Services, UCI Registrar/ SAIS, Division of Undergraduate Education) have established the EEE Operations group. This group sponsors many events that have a campus-wide impact: User surveys, focus groups, faculty orientations and training, providing technology in the classroom, instructional technology grant collaborations and more. We would like to thank the EEE Faculty Advisory Committee for their consistent support and guidance. Many thanks to our colleagues in Network & Academic Computing services who support our Instructional Web Technology efforts. A very special thanks you to all previous IWT staff members and all student assistants who have contributed to our success.

Glossary

DLC	Distance Learning Center
EEE	Electronic Educational Environment
EZE3	A Web based tool that generates a course Web page automatically
HOT	Humanities Out There
HTML	Hyper Text Markup Language
ICS	Information & Computer Science
IWT	Instructional Web Technologies
KIS	Keep It Simple
MyEEE	Individual EEE customized (portal like) environment
NACS	Network & Academic Computing Services
UC	University of California
UCI	University of California, Irvine
WWW	World Wide Web