PATRICIA J. DONOHUE, Ph.D.

## EDUCATION

University of Hawai`i at Manoa Attended: 2004 – 2009; Ph.D. May 2009

Ph.D. degree: Communication and Information Sciences (CIS); Primary Concentration: Human-Computer Interaction, Communications Theory. Secondary Concentration: Information Storage & Retrieval, LIS.

Dissertation: *Cooperative groups in practice: An analysis of affect and productivity within group interactions* (a study of group practice in High School Algebra course using the T1 Navigator®)

San Francisco State University 1965-1972; 1992-1997

Master of Arts in Education: Instructional Technology May 1997

*Website Development and Analysis for Lawrence Berkeley National Laboratory* *Functional Genomics*

Standard Secondary Credential English, Biology, Remedial Reading (1972)

Bachelor of Arts English, Biology (1970)

## PROFESSIONAL POSITIONS AND RANKS

San Francisco State University: Assistant Professor 2011-Present

Instructional Technology Program (ITEC), Program Coordinator 2012-Present

Department of Equity, Leadership Studies, and Instructional Technologies,

Graduate College of Education

Community Learning Research, LLC: President & CEO 2009-2012

University of California, San Francisco (UCSF): External Evaluator 2011-2012

College of the Health Professions *Change Agent Program*

New Technology Network (NTN): External Evaluator 2011-2012

Napa New Technology High School Alumni Tracking Pilot Study

San Francisco State University, Lecturer, Instructional Technologies Department 2008-2011

San Francisco State University: Senior Operations Officer, 2006-2008

Division of Graduate Studies

University of Hawai`i, Manoa: Graduate Assistant 2004-2006

Communications and Information Sciences (CIS) Program

Hawai`i Department of Education/University of Hawai`i: Interim Project Director, 2003-2004

NSF-RSI partnership grant in STEM education: *Hawaii Network Learning Communities*

Grand Forks Public School District/Dakota Science Center 1998-2003

Principle Investigator (1999-2003)/Project Director, *Natureshift-Linking Learning to Life*

(U.S. Department of Education 5-year, $1.47 million *TICG* partnership grant in STEM and Native American education integrating technology with school districts)

Pitsco, Inc.: Curriculum Project Manager in STEM instructional products 1998-1999

Edward M. Rubin, M.D./Ph.D. Laboratory: Administrative Services 1993-1997

*Human Genome Laboratory*, Lawrence Berkeley National Laboratory

## TEACHING EFFECTIVENESS

Courses Taught: San Francisco State University

ITEC 299, How to Learn with Technology (facilitated course sections)

ITEC 333, Digital Pioneers: Creating Innovative Digital Entrepreneurs

ITEC 601, Instructional Technologies for Teaching

ITEC 800, Theoretical Foundations of Instructional Technology

ITEC 801, Instructional Systems Design

ITEC 816, Computer Resource Specialist (UDL & Special Education with Technology)

ITEC 825, Formative Evaluation and Usability Testing (with business clients)

ITEC 830, Design of Learning with Emerging Technologies

ITEC 833, Instructional Production Studio

ITEC 842, Cognition, Mind, and Learning

ITEC 850, Design and Management of Learning Projects

ITEC 860, Distance Education

Other University/Community College Courses Taught

Workshops and courses for Office of International Programs for China, Japan, and Taiwan Universities (2013- 2014); Total courses = 10

**Teaching Evaluations (Fall 2011 – Spring 2016)**

\* Fall 2012 evaluations were in a locked file in BH 263 without a key, and subsequently lost the next semester when the 263 office was closed down. F12 semester is missing in the chart.

\*\* Spring 2016 required teaching 2 sections of Dr. Kelly’s ITEC 299. I had no input into the design of this course and did not teach the sections; I only facilitated two sections of students along with Dr. Merchant who did one of the five sections. The course was already laid out and we participated in a faculty group of 5 in grading assignments and counseling students. We maintained the course with Dr.Kelly. I counseled and helped several students to get through the course, but there were major problems that led to poor student evaluations (ITEC 299 (01)=2.04 and (03)=2.05). I have listed only the evaluation mean average for my ITEC 830 course as the fair representation of record.

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| **Year 6 Course Evaluations** | | | | | |
| **Course** | **Term** | **Enrolled** | **# Completed** | **# Responses** | **Mean** |
| ITEC 830.01 | S 2017 |  | tbd |  |  |
| ITEC 825.01 | S 2017 |  | tbd |  |  |
| ITEC 333.01 | S 2017 |  | tbd |  |  |
| Spring 2017 Mean | | | |  |  |
| ITEC 800.01 | F 2016 | 22 | CURRENT |  |  |
| ITEC 816.01 | F 2016 | 16 | CURRENT |  |  |
| ITEC 333.01\* | F 2016 | 39 | CURRENT |  |  |
| Fall 2016 Mean | | | |  |  |
| Year 6 Mean Ave. | | | | |  |

\* New undergraduate GE Course offering.

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| **Year 5 Course Evaluations** | | | | | |
| **Course** | **Term** | **Enrolled** | **# Completed** | **# Responses** | **Mean** |
| ITEC 830.01 | S 2016 | 13 | 13 | 9 | 1.28 |
| ITEC 299.01\*\* | S 2016 |  |  |  | 2.04 |
| ITEC 299.03\*\* | S 2016 |  |  |  | 2.05 |
| Spring 2016 Mean\*\*\* | | | |  |  |
| ITEC 800.01 | F 2015 | 13 | 13 | 11 | 1.52 |
| ITEC 830.01 | F 2015 | 11 | 11 | 10 | 1.41 |
| ITEC 833.01\* | F 2015 | 8 | 8 | 0 | n/a |
| Fall 2015 Mean | | | |  |  |
| Year 5 Mean Ave.\*\*\* | | | | | 1.40 |

\* New Course. Evaluations were not submitted by deadline. Tried paper evals; one person emailed open questions.

\*\* Not my courses; no “teaching”. \*\*\*299 Mean averages not calculated intp overall averages.

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| **Year 4 Course Evaluations** | | | | | |
| **Course** | **Term** | **Enrolled** | **# Completed** | **# Responses** | **Mean** |
| ITEC 825.01 | S 2015 | 9 | 9 | 9 | 1.51 |
| ITEC 830.01 | S 2015 | 20 | 19 | 14 | 1.22 |
| ITEC 816.01\* | S 2015 | 7 | 6 | 5 | 1.31 |
| Spring 2015 Mean | | | |  | 1.31 |
| ITEC 800.01 | F 2014 | 18 | 17 | 14 | 1.42 |
| ITEC 830.01 | F 2014 | 8 | 7 | 5 | 1.54 |
| ITEC 860.01 | F 2014 | 11 | 11 | 10 | 1.68 |
| Fall 2014 Mean | | | |  | 1.53 |
| Year 4 Mean Ave. | | | | | 1.42 |

\* 1st time offering of revised 816 course

**END PAPER EVALUATIONS / START ELECTRONIC EVALUATIONS**

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| **Year 3 Course Evaluations** (Fall 2013 – Spring 2014) |
| This was the year of changing the ITEC Department into a program in the new ELSIT Department. This meant the immediate loss of the ITEC AOC and no one to man the BH 263 ITEC office. While everyone worked to maintain the operational flow, paperwork was lost from the BH offices where all ITEC student evaluations had been kept (see also Fall 2012) evaluations). |

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| **Year 2 Course Evaluations** | | | | | |
| **Course** | **Term** | **Enrolled** | **# Completed** | **# Responses** | **Mean** |
| ITEC 801.01 | S 2013 | 22 | 22 | 13 | 1.77 |
| ITEC 801.02 | S 2013 | 15 | 15 | 12 | 1.32 |
| Spring 2013 Mean | | | | 25 | 1.55 |
| ITEC 800.01 | F 2012 | 19 | 19 |  | \* |
| ITEC 800.02 | F 2012 | 18 | 18 |  | \* |
| ITEC 830 | F 2012 | 21 | 21 |  | \* |
| Fall 2012 Mean | | | |  | \* |
| Year 2 Mean Ave. | | | | | 1.55 |
| \* Fall 2012 evaluations went missing during the semester when we changed offices after Dr. Beatty left ITEC. They were never found. Also: Spring 2013 included a course buy-out to conduct the search for a new ITEC faculty member that resulted in the hiring of Dr. Zahira Merchant in Fall 2013. | | | | | |

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| **Year 1 Course Evaluations\*** | | | | | |
| **Course** | **Term** | **Enrolled** | **# Completed** | **# Responses** | **Mean** |
| ITEC 800 | S 2012 | 21 | 21 | 12 | 1.30 |
| ITEC 830 | S 2012 | 11 | 10 | 7 | 1.31 |
| ITEC 825 | S 2012 | 8 | 8 | 5 | 1.10 |
| Spring 2012 Mean | | | |  | 1.23 |
| ITEC 800 | F 2011 | 21 | 21 | 17 | 1.65 |
| ITEC 830 | F 2011 | 18 | 18 | 13 | 1.51 |
| Fall 2011 Mean | | | |  | 1.58 |
| Year 1 Mean Ave. | | | | | 1.40 |
| College of Education offered a 1-course buy-out each semester of Year 1 when hired. It was not taken in Spring 2012 because of a reduced number of faculty in the program and students’ need for the courses. | | | | | |

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| **Lecturer Course Evaluations** | | | | | |
| **Course** | **Term** | **Enrolled** | **# Completed** | **# Responses** | **Mean** |
| ITEC 830 | S 2011 | 14 |  |  | N.A. |
| ITEC 825 | S 2011 | 15 | 12 |  | 1.87 |
| ITEC 842 | S 2011 | 5 | 3 |  | 1.00 |
| ITEC 800.01 | F 2010 | 20 | 16 |  | 1.85 |
| ITEC 800.02 | F 2010 | 23 | 15 |  | 1.64 |
| ITEC 860 | F 2010 | 11 | 11 |  | 1.53 |
| ITEC 800 | S 2009 | 21 | 21 |  | 1.47 |
| ITEC 800.01 | F 2008 | 18 | 17 |  | 1.59 |
| ITEC 800.02 | F 2008 | 17 | 12 |  | 1.34 |
| ITEC 850 | F 2008 | 9 | 6 |  | 1.46 |
| Lecturer Average F 2008 (3 courses) | | | | | 1.46 |
| Lecturer Average S 2009 (1 course) | | | | | 1.47 |
| Lecturer Average F 2010 (3 courses) | | | | | 1.67 |
| Lecturer Average S 2011 (2 courses) | | | | | 1.43 |

**Culminating Experience Membership**

Following are a list of the culminating experience committees chaired.

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| **L Name** | **F Name** | **Title** | **Term** | **Chair\*** |
| **Year Six - Fall 2016 (In progress)** | | | | |
| Alzahrani | Asma | A Self-Learning Website and Guidance on Virtual Reality’s Features, Uses and Benefits in Education | F 16 | \* |
| Baker-Flynn | Laurie | Transitional Kindergarten from A to Z | F 16 | \* |
| Ferrera | Tanya | Record and Edit Voiceovers for Instructional Video | F 16 | \* |
| Kohn | Daniel | Creative Project in Jewish Studies and Technology: Digital *Derekh Eretz* – Online Ethical Practices | F 16 | \* |
| Levine | Andrew | Javascript Programming with Puzzles to Teach Understanding of computer Concepts | F 16 | \* |
| Manning | Tafara | Mathematics and Me: Making sense of multiplication | F 16 | \* |
| Nguyen | Jennifer | SGI CPQ Processing Tool Training Program | F16 | \* |
| Nissley | Phillip | Teaching Software Systems Using Interactivity, and software demonstration and simulation | F 16 | \* |
| Sacdalan | Daniel | Augmented Reality Discovery Program | F 16 | **\*** |
| Schlesser | Steven | Equity in Distance Education Learning for English 1A | F16 | **\*** |
| Silver | Judith | Ancient Plant Use, Myth and Artifact: Roman Culinary-Herbal Gardens | F 16 | **\*** |
| Young | Vivian | Interactive High School Research Training | F 16 | \* |
| **Year Five – Spring 2016 EDDL Members** | | | | |
| Lee | David | The Effect of Online Readiness on Student Success in Online Courses | Sp 16 | **\*** |
| **Year Five – Spring 2016** | | | | |
| Chen | Jianren |  | Sp 16 | \* |
| Khandekar | Nivedita | Unlocking Captivate and Storyline: A parallel exploration of fundamentals | Sp 16 | \* |
| Nguyen | Jennifer | SGI CPQ: Cloud processing tool training program | Sp 16 | \* |
| Wilcox | Stephen | Faculty Focused Digital Accessibility Training | Sp 16 | \* |
| Winston | Brandon | Painting with Light: Understanding the role of exposure in photography | Sp 16 | \* |
| Young | Brianna | Technology Integration for Elementary Teachers | Sp 16 | \* |
| **Year Five – Fall 2015** | | | | |
| Cordeiro | Henrique | Captioning Your Web Videos Workshop | F 15 | \* |
| Frame | Kara | The Way We Role: Learning community engagement through networked play | F 15 | \* |
| Nylander | Lara | Is Solar Energy Right for You? | F 15 | \* |
| Nicholson-Bassham | Debra | 21st-Century Paradox: Training the unemployed for self-employment in services industries | F 15 | \* |
| Podgornova | Natalia |  |  |  |
| Pope | Delonzo | Taekwondo 2.0: A black belt martial arts course for the 21st-Century | F 15 | \* |
| Sanute | Lynee | Practical Applications of APA Style for ITEC Graduate Students | F 15 | \* |
| Siguenza | Antoinette | Preparing Expert Testimony | F 15 | \* |
| Vasquez | Charla | Craft Beer Brewing: Instruction for apprentice brewers | F 15 | \* |
| **Year Four – Spring 2015** | | | | |
| Aringo | Jacob |  | S15 | \* |
| Niemann | Dianne | Zero Waste | S15 | \* |
| Read | Nancy | Best Instructional Practices for Eureka Math | S15 | \* |
| Sexton | Nadine | Online adaptive assessment learning program addressing multicultural and racial biases | S15 | \* |
| Webb | Yvonne | Accounting using Quickbooks Pro: A free e-learning course | S15 | \* |
| **Year Four – Fall 2014** | | | | |
| Hiney | Linda | Foreign text pronunciation guide for the Bella Musica Chorus | F14 | \* |
| Ikemoto | Kenneth | Describing early adopters of CSU’s QOLT evaluation instrument at San Francisco State University | F14 | \* |
| Lam | Joseph | Personal Computer Security Basics | F14 | \* |
| Martinez | James | Real World Japanese | F14 | \* |
| Muldoon | Dennis | Algebra Quest: Online Algebra Review | F14 | \* |
| West | Gregory | Getting Started in Cyber High | F14 | \* |
| **Year Three – Summer 2014** | | | | |
| Campos | Gustavo | Strengths-based counseling for HIV service providers: An online practice module | Su14 | \* |
| Compton | Joel | Using and comparing the effectiveness of TouchCast and explicit direct instruction in the classroom | Su14 | \* |
| Corpuz | Andrew | Creativity Forum | Su14 | \* |
| Goldshteyn | Inna | Bringing ancient Greek architecture to modern learners: Art history on the iPad | Su14 | \* |
| Johnson | Victoria | Advisor and volunteer leader training for Gamma Phi Beta Sorority | Su14 | \* |
| Kaufman | Nathaniel | Building a better business review at the E&J Gallo Winery | Su14 | \* |
| Odea | Kevin | Flippng the classroom for middle school science students | Su14 | \* |
| Stefaniak | Jozefa | Poland and its writers: Learning the Polish language through the literature of famous Polish writers | Su14 | \* |
| Stern | Rebecca | Designing effective e-Learning for increasing transfer rates | Su14 | \* |
| Vang | Tria | I learn Hmong | Su14 | \* |
| **Year Three – Spring 2014** | | | | |
| Celik | Dilek | Self-paced Google Docs training | S14 | \* |
| Chen | Pin-Huan | Tales from Chinese Festivals: An eBook for Children Learning Chinese Culture | S14 |  |
| Kaufmann | Jessica | What's possible with SalesForce: The fundamentals | S14 |  |
| Kumar | Shruti | Model online course:Higher education strategic planning | S14 | \* |
| Olivas-Leiva | Lisa | Online training toolkit for rebranding geriatrics | S14 | \* |
| Omori | Kaori |  | S14 |  |
| Purcille-Eubanks | Diane | Online training for physicians | S14 | \* |
| Tiffany-Diaz | Stacey | Using common core technology in the middle grades | S14 | \* |
| **Year Three – Fall 2013** | | | | |
| Caballero | Deila | A model for education technologies professional development at Presentation High School. | F13 | \* |
| Lamboy | Dominic | Cardio Pulmonary Resuscitation iPad application | F13 | \* |
| Martinez | Steven | Survival English | F13 | \* |
| Wang | Belle | Our Virtual Classroom: Collaborative learning environment | F13 | \* |
| Yang | Qing | Little animal scholar | F13 | \* |
| **Year Two – Spring 2013** | | | | |
| Castro | Yesenia | ECI Communication at Sample Middle School | S13 | \* |
| Golden | David | Okinawa Beats App: Percussive Instruments used in traditional Okinawa music | S13 | \* |
| Politi | Reuben | Learn How to Successfully Plan a Trip Abroad | S13 | \* |
| Piscitella | Anthony | Building Bridges: Producing and Utilizing Short Documentaries for Teaching Incarcerated Students | Su13 | \* |
| Torres | Alma | A Passport to Reading Comprehension | Su13 | \* |
| **Year Two – Fall 2012** | | | | |
| Agnoletti | Michael | Introduction to basic Windows Computer Skills (Modules) For Adults | F12 |  |
| Cohen | Noah | Capture 2 Publish Project | F12 | \* |
| Estacio | Peter | WEB DESIGN FOR TEACHERS: Standards-based web authoring with Dreamweaver and CSS | F12 | \* |
| Fulton | Rachel | Examining electricity | F12 | \* |
| Ghaben | Khaled | Microsoft Office 2010 | F12 | \* |
| Green | Janet | The Use of Augmented Reality To Teach Environmental Science | F12 | \* |
| Holz | Rachel | Improvements to the Hyflex Course Format in the ITEC Program | F12 | \* |
| Jensen | Heather | APA Instruction for Graduate Student Research Papers | F12 | \* |
| O’Loughlin | Jean | Mobile Learning and Adult ESL Students | F12 | \* |
| Politi | Reuben | Discover Our Hearty World | F12 | \* |
| Reed | Kelly | ITEC 299 Learning Strategies Database | F12 | \* |
| Reyes | Kevin | Distance Education Module for Conflict Management | F12 | \* |
| Sena | Tracy | Ipad Implementation in the 9-10 Curriculum | F12 | \* |
| Seoul | Sunmi | Developing a Mobile Tutorial for Teaching Mobile Content Creation Skill | F12 | \* |
| Simon | Marie | The implementation Of Online Art History Courses | F12 | \* |
| Spencer | Jessica | Game-Based Information Literacy Instruction for High School Students | F12 | \* |
| Wong | Becky | Resumes of the Future | F12 | \* |
| **Year One – Spring 2012** | | | | |
| Bingham | Benjamin | Creative Design and Implementation of the 2012 East Bay School for Boys Technology Plan | S12 |  |
| Contini | Scott | Science Research Program Student Instructional Website | S12 |  |
| Dahm | Emily | The Garden Project | S12 |  |
| Kim | Richard | ITEC Resource Web-Based Instructions | S12 | \* |
| Litwak | Tony | Bartime-Brand Ambassador Training Instructional Design | S12 | \* |
| Lott | Tramaine | Weight Training for the Skinny | S12 | \* |
| Lou | Shen-Hua | Teaching English Rhythm to ESL Learners Through Jazz Chants | S12 | \* |
| Marquez | Antoinette | 5-Paragraph Essay Website | S12 | \* |
| Mitchell | Victoria | Introductory CSS unit in a Multi –Level Classroom | S12 | \* |
| Reiter | Elaine | Wildlife Rescue for Call Takers | S12 | \* |
| Reppun | Diane | SFSU EducCamp 2012 | S12 | \* |
| Ruslani | Devi | Office Ergonomics Online Training | S12 | \* |
| Hines | Kimberley | Track and Field Meet Training Guide | Su12 | \* |
| Lee | Christopher | Instruction in the ZebraZapps Authoring Program | Su12 |  |
| Lee | Sean | PDP Roadmap for Auto and Property Insurance Analysts | Su12 |  |
| **Year One – Fall 2011** | | | | |
| Asuncion | Tina | Maintenance Skills Training | F11 |  |
| Boswell | Clinton | Web-Based Orientation and Virtual Teambuilding for New Employees | F11 |  |
| Chi | Judy | Performing Arts E-learning Course | F11 |  |
| Contini | Scott | Science Research - Student Instructional Video | F11 |  |
| Fox | Julie | Podcasting for Middle School | F11 |  |
| Henley | Walter | Social-Constructivism in Teaching of Technology | F11 |  |
| Judd | Taylor | A Course for Open Source Technology Management in Education | F11 |  |
| Lengel | James | Using a class Wiki to Teach Writing | F11 |  |
| Pollock | Ian | Online Photojournalism Training | F11 |  |
| Romero | Dylan | Designing Online Clinical Development Instructions Using the Dick & Carey Model | F11 |  |
| Sheridan | Joshua | On-line Visual Arts Learning Environment for Students' Support | F11 |  |
| Ting | Jocelyn | Integrating Engaging Hands-on Science Activities in the Classroom | F11 |  |
| To | Hung | Making Long Jumps With Writing-Based Grammar | F11 |  |
| Tolentino | Anthony | The Use of Blended Learning in the Implementation of an EMR Training Program | F11 |  |
| Trinh | Joseph | Learning to Blog While Blogging to Learn | F11 |  |
| Tucker | Scot | Advance Lighting Techniques in Photojournalism | F11 |  |
| Wee | Johanna | Infectious Diseases and Global Health Web | F11 |  |

## PROFESSIONAL ACHIEVEMENT AND GROWTH

RESEARCH AND PUBLICATIONS

**Peer-Reviewed Chapters in edited books**

Donohue, P.J., Kelly, K., & Wilcox, S. P. (2015). A Co-Evolution Story: Lessons Learned by Gamifying two Online University Courses. In J. R., Corbeil, M. E. Corbeil & B.H. Khan (Eds.) *The MOOC Case Book: Case Studies in MOOC Design, Development and Implementation*. Linus Books. Ronkonkoma: NY

Donohue, P. & Kelly, K. (2015). Transforming Digital Literacy with Culturally Diverse, Personalized Learning. In M. N. Yildiz & S. J. Keengwe (Eds.) Handbook of Research on Media Literacy in the Digital Age. IGI-Global Publishing Co. Hershey:PA

Donohue, P. J. & Crosby, M. E. (2013). *Developing a Culturally-rich Interactive Model for mLearning*. In Keengwe, S. (Ed.), *Pedagogical Applications and Social Effects of Mobile Technology Integration*. (pp. 206-224). Hershey, PA: IGI Global. ISBN: 9781466629851. Permanent Link: http://dx.doi.org/10.4018/978-1-4666-2985-1.ch012

**Peer-Reviewed Conference Proceedings**

Donohue, P. J. & Lamboy, D. A. (2015, August) Breathing Life into CPR Training, to be published in *Lecture Notes in Computer Science* (LNCS), Proceedings of the Human Computer Interaction International Conference (HCII 15). Springer.

Donohue, P.J., Gray, T.\* and Lamboy, D.\* (2013, July) Measuring Engagement to Stimulate Critical Thinking, In Hutchison, D., Kanade, T., Kittler, J., Kleinberg, J. M., Mattern, F., Mitchell, J. C., Naor, M., Nierstrasz, O., Rangan, C. P., and Steffen, B. (Eds.) *Lecture Notes in Computer Science (LCNS)* Proceedings of the Human Computer Interaction International Conference (HCII 13). Springer. ISSN: 0302-9743 (Print) 1611-3349 (Online). \*ITEC students, 2012-2013.

Donohue, P.J. & Crosby, M.E. (2010, April) A Design Model for Teaching Next Generation Technology. In E. Tse, J. Schöning, Y. Rogers, C. Shen, & G. Morrison, (Chairs) *Next Generation of HCI and Education: Workshop on UI Technologies and Educational Pedagogy.* Invited symposium presentation at the CHI 2010 Conference. Atlanta, GA.

Donohue, P.J. (2007, February). Effects of conversation and the graphing calculator on individual and group Learning of quadratics. Paper presentation at the *Hawaii Educational Research Association* (HERA) conference. Honolulu, HI.

Donohue, P. (2006). Limits of technology in teaching students effective learning strategies. In T. Reeves & S. Yamashita (Eds.), Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2006 (pp. 1928-1932). Chesapeake, VA: Association for the Advancement of Computing in Education.

Donohue, P.J. (2006, March). Improving student learning through human-computer interaction: a review of emerging technologies with potential classroom application. A paper presented at the *Hawaii Educational Research Association* (HERA) conference. Honolulu, HI.

Donohue, P.J. (2005, March). Impact of culture on student learning of science through computer-mediation. A paper presented at the *Hawaii Educational Research Association* (HERA) conference. Honolulu, HI.

Donohue, P., Landry, R., Batson, A. & Hess, C. (2003). Linking Learning to Life: A 5-Year Implementation in Technology Education Innovation. In D. Lassner & C. McNaught (Eds.), Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2003 (pp. 1698-1701). Chesapeake, VA: Association for the Advancement of Computing in Education.

Peterman, L. & Donohue, P.J. (co-Chairs) (2003, June). Seeds of Innovation from America’s Technology Innovation Challenge Grants. A collaborative exhibit and panel presentation at the ISTE National Educational Computing Conference (NECC). Seattle, WA.

Donohue, P. (2002, November). Learning Virtually - by Design. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology and Teacher Education International Conference 2002 (p. 2112). Chesapeake, VA: Association for the Advancement of Computing in Education.

Donohue, P. & Hoover, J. (2002). The Assessment of Higher-Order Thinking Skills in a Web-based Distance Learning Project. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology and Teacher Education International Conference 2002 (pp. 947-948). Chesapeake, VA: Association for the Advancement of Computing in Education.

Donohue, P. & Ison, C. (2001). Real-time Learning in a Virtual World. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology and Teacher Education International Conference 2001 (pp. 2701-2705). Chesapeake, VA: Association for the Advancement of Computing in Education.

**Invited Presentations & Professional Participation**

Invited presentation, *BYOM: Turn Your Mobile Into a 21st-Century Learning Powerhouse***, to present to the 2013** Curriculum and Instruction Steering Committee (CISC) Symposium (formerly, Asilomar Conference), **February, 2013, Monterey, CA.**

Invited report, *New Technology High School* *Alumni Pilot Study*, to Napa Learns, Inc. Board of Directors, June, 2012, Napa, CA.

Invited presentation, National Science Foundation Site Review: to report on the California RET supplemental grant program, University of Hawaii CPATH II grant, Honolulu & Hilo, HI, 2010.

NSF Invited Workshop Participant: Minority-Serving Institutions (2006, Phoenix AZ); Broadening Impacts Summit (2010, D.C.), STEP program (2010, Berkeley CA).

**Non-peer Reviewed Conference presentations & posters**

\* Designates ITEC students

Levine\*, Andrew & Donohue, P. (2015, August) A Crystal Ball for Meditators (technical poster), Human Computer Interaction International Conference (HCII 15).

Wilcox\*, Stephen & Donohue, P., (2013, October) Music Theory MOOC Year 1: A Case Study, Association of Education Communication Technologists International Convention, (AECT). Anaheim, CA. (\*ITEC student). *Note:* AECT is the industry standard conference in educational technologies.

Gray\*, T., Lamboy\*, D., Donohue, P., (2013, October) Playing to Learn Geometry, Association of Education Communication Technologists International Convention, (AECT). Anaheim, CA. (\*ITEC students).

Donohue, P. (2013, April) Turn your mobile into a 21st Century Powerhouse, 6th Annual International Symposium for Emerging Technologies for Online Learning, Sloan-C/Merlot (ET4Online), Las Vegas, NV.

Donohue, P.J. (2011, November). SBL: A smart pedagogical model for today’s mobile learner. Paper session presented at the Northern California Computer Using Educators (CUE) Conference. American Canyon, CA.

Donohue, P.J. and Crosby, M.C. (2011, January). Broadening Participation of Studio-Based Learning in K-12. Paper presentation at the Hawaii Educational Research Association (HERA) 2011 Conference. Honolulu, HI.

GRANTS & CONTRACTS

Contract (2011, 2012): *Preparing Positive Change Leaders: Evaluation of Cohort 2, UCSF Change Agent Program* (CAP). An evaluation and report prepared for the Gordon and Betty Moore Foundation on behalf of the University of California, San Francisco Center for the Health Professions. San Francisco, CA.

Contract (2012): *Alumni Tracking Pilot Study*. A research study conducted and prepared for the national New Technology Network (NTN) with partners: Napa Learns, Inc. and Napa Valley Unified School District. Napa, CA.

Grant (2010-2011): National Science Foundation (NSF) Research Experiences for Teachers (RET) Supplemental Grant ($116,000): Research Program Director.

Sub-Grant: (2011-2012) NSF Computing Pathways (CPATH) grant, University of Hawai`i (NSF Grant No. CNS-0939157): *CPATH 2 – Collaborative Research: Broadening Studio-Based Learning in Computing Education* ($8,000, New Technology High School: research and SBL curriculum development).

Award (2015) Affordable Instructional Materials ($500): application of Smart Pens to ITEC 816 Assistive Learning Technology Resource Specialist Course.

Award (2015) Quality Online Teaching and Learning (QOLT) Ambassador program.

**Foundations and Other Funding**

Evaluation Consultant (2011-2012), Center for the Health Professions*,* University of California, San Francisco. Evaluation of Cohort II in theChange Agent Program (CAP), a cross-role leadership professional development program. San Francisco, CA. Contract to Community Learning Research, LLC.

Research Consultant (2011-2012), the national New Technology Network. Development of an alumni tracking methodology and research alumni from Napa New Technology High School graduates of 2009, 2010 and 2011. Napa, CA. Contract to Community Learning Research, LLC.

CURRICULAR INNOVATIONS

**Connecting Student Work to Curricula:** Promoting student advancement is part of my methods of teaching whereby student work is used in courses or used as models to teach new students. I organized a Captivate production team to create materials that are used in ITEC 800. I am currently working with the SF State InCubed student entrepreneurial organization to co-teach topics for the ITEC 333 undergraduate entrepreneurial course. Currently, I am talking to San Francisco’s TechShop an international Makerspace company to provide product development opportunities for students in the ITEC 333 course. Previously I have sent students to the Noisebridge Makerspace in the Mission for prototyping opportunities. And I have invited over 10 students to demo and showcase work they have done to students in appropriate courses. This is something I am working to institutionalize through a Web site.

***Design Thinking* model for ITEC curricula:** Expanded earlier grant work with the Studio-Based Learning (SBL) Model that I developed for CPATH K-12 grant. SBL was developed into the ITEC 833 production course, and applied to methods in the ITEC 830 Emerging Technologies for Learning course. Recent implementations includes a *flipped classroom* approach to studying theory where students develop instructional design (ID) productions in task-oriented teams and cross-critique each other’s understanding of the theories they have used in their products. Currently, Design Thinking is embedded throughout the new undergraduate course, ITEC 333.

**U. S. Department of Education *NatureShift* Inquiry-based Model**:

TICG supplemental grant for Regional Workshops: I wrote, planned, developed, and implemented a supplemental grant to expand the *Natureshift* project model to 74 teachers in 32 states; Result: 25 teachers were trained and developed 25 digitalexemplar projects published on the grant website. The workshops helped develop a way to culturally “localize” the model in different regions of the country. This model is currently guiding my work in an online dissemination method for ITEC online courses.

## CONTRIBUTIONS TO CAMPUS AND COMMUNITY

**Campus**

Educational Technology Advisory Committee (ETAC), GCOE appointment (2012-2016); Immediate past-chair 2016-17; Chair 2015-16; Vice-Chair 2014-15).

Academic Senate, GCOE appointment (2012-2015); Sub-committee appointments:

Curriculum Review Advisory Committee (CRAC) (2013-14, 2014-15)

Student Affairs Committee (SAC) (2012-13)

University Search Committee: Senior Associate Vice President, Physical Planning and Development. (2014-15).

University Search Committee: Dean of the Graduate College of Education (2013-14).

University Search Committee: Graduate College of Education, Instructional Technologies Assistant Professor (2012-2013.

Joint DAIS-ITEC Department Planning and Formation Committee (2011-2012).

California State University Research Competition judge for GCOE (2011).

**Community**

Current member in professional organizations: American Educational Research Association (AERA), Association of Computing Machinists (ACM), Institute of Electrical and Electronics Engineers (IEEE), Computer Using Educators (CUE), International Society of Technology in Education (ISTE), Association of Educational and Communications Technologists (AECT).

2004 - 2013, Member, Hawai`i Educational Research Association (HERA) (Board: 2004-06).

Current professional organizations: American Educational Research Association (AERA), Computer Using Educators (CUE), Association of Educational and Communications Technologists (AECT).

**International Community Outreach**

2014, Planning Coordinator for Japan’s University Cooperative Association (UCOM) visit to SFSU. Visit with 12 faculty members of UCOM’s national board to SFSU in May 2015: cooperative talks sharing faculty use of eBooks and online learning methods.

2013-2014, Facilitated Discussions between the Royal University of Phnom Penh’s (RUPP) Department of Education and SFSU’s Graduate College of Education on possible partnerships.

2013-2015, appointed education coordinator to the 1990 Institute *Youth Voices on China* international video contest (2013-2014) and member of the board (2013-2015).