MORE THAN A MOTTO

Cal Poly’s Learn by Doing Conference
Friday, November 3, 2017 ︱ Kennedy Library
Welcome, colleagues, and thank you for joining us for More than a Motto: Cal Poly’s Learn by Doing Conference.

We at Cal Poly know Learn by Doing isn’t just a motto; it’s our reality. We are leaders in innovative teaching, learning, and living practices that impact students, faculty, and staff well beyond their time on campus. The purpose of the More than a Motto conference is to celebrate Learn by Doing as a full-campus ethos—one in which experiential learning is not only central to the curriculum but also permeates Cal Poly culture. How does Learn by Doing impact the student experience, the teacher—student model, and career trajectories beyond the institution? We hope you gain answers to those questions today while you engage in dialogue with conference presenters and one another. We also hope you will join us in thanking our conference partners, Kennedy Library and Alumni Relations, for their continued commitment to Learn by Doing and the Cal Poly community.

Sincerely,
Brian Greenwood, Associate Professor, Experience Industry Management
Dawn Janke, Director, University Writing & Rhetoric Center
Lorraine Donegan, Professor, Graphic Communication
Keri Schwab, Assistant Professor, Experience Industry Management

**Poster Session**

8:00 – 9:00 am

**Location:** Kennedy Library, First Floor Gallery

**Description:** Come and join us for coffee & pastries, and mingle with faculty, staff, and students who have designed posters highlighting their innovative Learn by Doing opportunities. (Registration not required for the morning poster session.)

**Learn by Going:** Student Experiences from Study Abroad

**The Boundary Layer Data System**
Russell P. Whitehead, Andrew Elliott, Isabel Jellen, Dielen Mago & Thomas Niemisto

**Fraternities & Sororities – Leaving a Legacy**
Sharmeen R. Smith, Sarah O’Sullivan, Payton Gates, & Madison Mages & Thomas Niemisto

**Cell-Free Protein Synthesis as an Education Platform**
Nicole Gregoire, Wesley Kao, & Jason P. Ota (Advisor)

**Student-Student Mentorship in STEM**
Danielle Champney, Hayley Coching, Marie Ramires, Lacey Christopher, Kathryn Vilmart, Nick Rabia, Karan Hexson, & Gloria Whang

Teamwork and Information Literacy: A Case Study of Learn by Doing
Christine Schreiber, Lindsey Higgins, & Hannah Hank

Learn by Empowering: Advancing Women in Engineering through Student Leadership
Helen Finger, Melissa Org, Paige Camacho, Lynne Chick, Angela Wong, & Dainan Malia

Service Learning in the Health Professions: Designing a Course with Service as the Focus
Candace Winstead & Meghan Farrier-Nolan

The Future of Campus Wellbeing for Students, Staff and Faculty
Genie Kim, Erica Stuart, Christine Haddad, Kate Fouad, Jaime Rodriguez, & Samantha Mark

University Housing Strategic Plan
Sam Coningham, Dennis Hendry, Christian Laubacher, Kevin Marashodi, Latin Medina, Kevin Rubow, Ibrahim Zibi, Collin Lampton, Cal Placcia, Gaudolph Tejada, Tina Mullen, & Jeff Campbell

Women and Infants’ Mobile Health
Adriana Vazquez, Adriana Lacy, Shelby Backdiler, Alisson Victoria, & Suzanne Phelan

Concurrent Sessions A

9:10 – 10:00 AM

**A-1**

**Peer Leaders-The Ultimate Learn by Leading Experience**
Elizabeth Thomas & Ishaeta Rahman, Center for Leadership

**Location:** Kennedy Library, Room 111H

**Description:** This session will highlight a unique student leadership role on campus, the Peer Leader within the Center for Leadership. After completing the Center’s Emerging Leadership Curriculum program, Peer Leaders help create, design, and facilitate diverse leadership and StrengthsFinder education programs and workshops for undergraduate students. Presenters will highlight ways in which leadership education is taught and how these undergraduate students are co-creators in leadership education on campus.

**A-2**

**Bringing Cal Poly Students to Malawi/Sierra Leone and bringing Malawi to Cal Poly students**
Peggy C. Papathakis, Kalina Gardner, Alexia Seldon, Natalie McCluskey, Leah Ombach, Cammie Toolehaug, Madison Fisher, Sana Raza, & Maggie Samsen; Food Science and Nutrition
Andrew Schaffner, Michaela Wetzler, Stephanie Mendoza, & Gabrielle Baenitz; Statistics
Heather Elcott, Chemistry and Biochemistry

**Location:** Kennedy Library, Room 511

**Description:** The realities of malnutrition are particularly difficult for pregnant women around the world, and this session will detail a Cal Poly research project making a difference in Malawi and Sierra Leone, Africa. Papathakis, a former Cal Poly Distinguished Scholar; Award winner, engages students in nutrition research in developing countries and provides students with global nutrition experiences. This presentation will provide attendees with an engaging student-centered example of how Learn by Doing through undergraduate research provides students with unique opportunities both in Africa and here at Cal Poly.

Concurrent Sessions B

10:10 – 11:00 AM

**B-1**

**Student Improv Meets Sexual Assault Education for Incoming Students**
Christina Kaviani, Director of Safer and Men and Masculinity
Brianna Rudolph, Smile and Nod
Brandon Martin, New Student and Transition Programs

**Location:** Kennedy Library, Room 111H

**Description:** Campus sexual assault education is critical in today’s age, and Cal Poly is addressing the issue through a creative, unique, and student-centered approach. This session will feature a behind-the-scenes view of the evolution of “Expect Respect,” a student-improv show designed to address sexual assault education for incoming Cal Poly students. Campus leaders will discuss this unique Learn by Doing partnership among Safer, student improv group Smile and Nod, and New Student and Transition Programs.

**B-2**

**Spaces to Learn by Living**
Tina Mullar & Allison Elliot, University Housing

**Location:** Kennedy Library, Room 511

**Description:** All students who live on campus are housed in a learning community and engage in a diverse environment that enhances their academic and social experience at Cal Poly. Students explore their potential in University Housing by discovering how they can Learn by Living. Come hear these leaders in University Housing discuss campus learning communities as one of the many integrated experiences that both establish a full institutional ethos around Learn by Doing and set Cal Poly apart from other residential campuses.
Concurrent Sessions C
11:10 AM – 12:00 PM

C-1
A Holistic Approach to Teaching Packaging Innovation
Javier de la Fuente, Industrial Technology and Packaging
Irene Carbomell, Industrial Technology and Packaging
Mary LaPorte, Art and Design
Location: Kennedy Library, Room 111H
Description: Traditionally, packaging marketing graphics and packaging structure design were taught separately without much interaction between the two processes and knowledge fields; yet, developing an innovative package is a multi-disciplinary Learn by Doing activity that involves individuals with diverse backgrounds and expertise. In this session, attendees will learn about the collaborative and cross-disciplinary interactions between Cal Poly’s graphic design and packaging students and the programmatic synergy they have created by stepping outside their separate silos.

C-2
Applying Learn by Doing to Cybersecurity Training: Development of the California Cyber Training Complex
John Oliver, Director of Computer Engineering
Bruce Burton, Program Manager, California Cyber Training Complex
Cassidy Elwell, Computer Engineering
Location: Kennedy Library, Room 511
Description: The California Cyber Training Complex (CCTC), an important Learn by Doing opportunity on our campus, was created in 2016 with a mission to provide cyber training to law enforcement, national guard and professionals; provide a unique collaboration space for digital forensics for criminal investigations; provide youth education in cybersecurity; and create applied research opportunities in cybersecurity. This unique session will bring awareness to the campus community about the CCTC, including the availability of lab and research space while also highlighting the CCTC’s efforts in youth education, including serving as host of the 2017 California Cyber Innovation Challenge (CCIC), the state championships of cybersecurity competitions in the state of California.

Lunch & Concurrent Keynote Panels
12:10 – 1:30 PM

D-1
Keynote Panel: Learn by Doing Scholar Award Winners
Lynn Metcalf, Entrepreneurship
Catherine Witsine, English
Jim Widmann, Mechanical Engineering
Location: Kennedy Library, Room 111H
Description: Most faculty at Cal Poly engage with their students in some form of Learn by Doing, but the faculty scholars on this panel have taken their pedagogy to the next level by exploring its impact on student learning. Hear about their research projects and pick their brains in this interactive question-and-answer panel. Conference attendees are invited to join us for a complimentary boxed lunch while engaging with this keynote panel of Learn by Doing Scholar Award winners.

D-2
Keynote Panel: Distinguished Teaching Award Winners
Brian Kennelly, World Languages and Cultures
Elizabeth Lowham, Political Science
Anthony Mendes, Mathematics
Location: Kennedy Library, Room 511
Description: The award-winning faculty on this panel will discuss how they integrate Learn by Doing into the classroom and beyond. Hear about their teaching philosophy and pick their brains in this interactive question-and-answer panel. Conference attendees are invited to join us for a free boxed lunch to engage with this keynote panel of Distinguished Teaching Award winners.

Afternoon Workshop
2:10 - 4:00 PM

E-1
The Many Versions of IBL Math at Cal Poly
Danielle Champney, Paul Chebotar, Todd Grundmeier, & Stan Yoshinobu, Mathematics
Location: Kennedy Library, Room 111H
Description: Through the leadership of Mathematics professor Stan Yoshinobu with the Academy of Inquiry-Based Learning (AIBL), Cal Poly has become a national leader in the inquiry-based learning (IBL) movement. The notion of “Big Tent IBL” represents the idea that there exist many variations of IBL in undergraduate mathematics courses. This workshop explores for participants the main pillars of IBL, examples of what IBL can look like in different courses, and engages participants in discussions about what IBL is and what aspects of IBL are relevant to their classes. This special 2-hour workshop will give instructors, aspiring, or current teachers training in this innovative, active learning approach to education.
F-1
Creating a Public Sculpture for Cal Poly’s Arboretum
Garet Zook, Art and Design
Chris Wassenberg, Horticulture and Crop Science
Location: Leaning Pines Arboretum
Note: Registered attendees will receive directions via email.
Description: Come see and hear about Cal Poly’s “best kept secret” through an art tour of Cal Poly’s Leaning Pines Arboretum. The breathtaking setting of the Arboretum has been made all the more special through the infusion of public sculptures thanks to a Learn by Doing partnership between University Art Gallery director Garet Zook and Arboretum manager Chris Wassenberg. Wear your walking shoes!

F-2
Venture into Entrepreneurship
Tina Muller & Cat Placencia, University Housing
Charlotte Rinaldi, Career Services
Lori Jordan, Center for Innovation & Entrepreneurship
Cal Poly Entrepreneurs & Cal Poly Lofts residents
Location: SLO HotHouse, Downtown
Note: Registered attendees will receive directions & parking information via email.
Description: Venture into the integrated world of entrepreneurship at Cal Poly with a talk and tour featuring the SLO HotHouse and Cal Poly Lofts in downtown San Luis Obispo. The SLO HotHouse is a community space created through the efforts of Cal Poly, the city and county of San Luis Obispo, the business community, and the Cal Poly Center for Innovation and Entrepreneurship (CIE). Cal Poly Lofts is a residential community for junior and senior-level Cal Poly students who have an entrepreneurial perspective and are engaged in Learn by Doing programs focused on fostering creativity and innovation. Leaders from University Housing, Career Services, CIE, Cal Poly Entrepreneurs, and the Lofts will discuss programs supporting Learn by Doing through entrepreneurship.

G-1
Anyone Can Dance, Every Body Can Move
Christy McNeil Chand, Theatre and Dance
Location: Crandall Gym (Building 60), Dance Studio (Room 6)
Description: Dance technique classes are the true embodiment of the Learn by Doing experience for multiple reasons — the most obvious being that one must “do” to learn. The intent of this special field presentation is to provide those who have not taken a dance class at Cal Poly with an opportunity to do so, so don your dancing shoes and join Christy McNeil Chand, Assistant Professor of Dance and Director of the Orchesis Dance Company, for an afternoon of movement. This session aims to emulate a beginning jazz dance technique class. Chairs will be provided for those who need to modify any lower body movements. Please wear comfortable clothes and footwear, and for those interested, changing rooms will be available adjacent to the dance studio.

G-2
More than a Motto Book – First Edition Printing by University Graphic Systems
Lyndee Sing, Graphic Communication
University Graphic Systems student leadership
Location: Graphic Communication (Building 26), Room 217
Description: University Graphic Systems (UGS) is a student-managed, student-operated commercial printing and digital imaging enterprise within the Graphic Communication Department. UGS has been an integral part of the Graphic Communication Department’s educational program since 1968, and in 2017, UGS was given the opportunity to print the first hardbound edition of More than a Motto: The Meaning Behind Cal Poly’s Learn by Doing Signature. In this talk and tour, attendees will hear firsthand from students and faculty about the experience associated with this largest-ever print job in UGS’s history.

Happy Hour with Alumni Relations
4:10 – 5:00 PM
Location: Mustang Station, University Union
Description: Join us in capping off the conference by celebrating Homecoming Weekend 2017 with conference attendees, faculty, staff, and alumni at Happy Hour at Mustang Station. Wine and beer will be served.

Closing
The More than a Motto project team extends heartfelt thanks to the following faculty, staff, students and campus units for their generous support:

Office of the Provost
President’s Office
Alumni Relations
Robert E. Kennedy Library
Parent & Family Programs
Cal Poly Corporation
Jeffrey D. Armstrong
Kathleen Enz Finken
Ellen Cohune
Adriana Popescu
Cheryl May
Cara King
Denise Isom
Jason Mockford
Camille O’Bryant
Amy Robbins
Joanne Lodato
Bella Zaayer
Linda Teeple
Dylan Retsek
Dustin Stegner
Campus Catering
Mustang Station
University Graphic Systems
Graphic Communication Department
Theatre and Dance Department
Horticulture and Crop Science Department
Leaning Pine Arboretum
University Housing
Center for Innovation and Entrepreneurship