



RESEARCH & SERVICE LEADERSHIP SYMPOSIUM

May 16, 2019
8 AM–3:30 PM
at Foothill College

foothill.edu/rsl-symposium



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You are welcome to attend any portion of the symposium, and we encourage you to attend the opening keynote.

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Welcome

8:00-8:30 AM

Join us for coffee, fruit and pastries outside of the Hearthside Lounge (across from the Bookstore)

Opening Ceremony

8:30-8:35 AM

Address by Ben Stefanik – Coordinator, Research and Service Leadership Symposium

8:35-9:00 AM

Address, announcement of winning projects, and service leadership pinning by Thuy Nguyen – President, Foothill College

Keynote

9:00-9:20 AM

Brian Buntz

“A Formula for Engaging Community and Making an Impact”

For 25 years, Brian Buntz has been engaged in local and international service work. Through a simple formula, he has supported the transformation of thousands of lives and dozens of communities across the globe. Brian will share that formula with us today, and help us all understand the power we have to make a difference in the world.



After service in the Peace Corps in Guatemala, Brian Buntz returned home to California as a middle school teacher. Inspired by teaching students who recently arrived from Latin America, Brian developed a video-based English as Second Language (ESL) software program that is used throughout the world today. In 2007, Brian founded the Young Dreamer Network and Dream Volunteers, serving at the helm of both organizations on a pro-bono basis. Since then, Brian has personally led an average of 12 service trips a year for high school students, college students, and young families interested in making a difference in communities throughout Guatemala, Costa Rica, India, and Ghana.

Panel Discussion

9:20-9:50 AM

Discussion panel with project winners, moderated by Thuy Nguyen – President, Foothill College

Symposium Most Impactful Project Award Winners:

Computer Engineers of the Next Generation (CENG) Club: Free After-School Coding Classes

Daniel Lim, Nathaniel Latif, Cedric Chan

Puentistas Read!

Julia Figueroa, Miguel Ramirez, Stephanie Garcia, Santana Favela

Automation of AOSLO Retinal Images Analysis Using Artificial Intelligence:

Cone Photoreceptors Detection

Siavash Moghadami, Mahyar Mahmoudi

Mandatory Sentencing

Mina Tameilau

Struggles Beneath the Surface: The Hidden Crises of FHDA’s Student Body

Landon Rudolph, Lilian Juarez, Logan Keifling

Project Mycō

Lynn Racelo

We for She: Advocacy for Gender Equality

Eman Magzoub



TITLE	PRESENTER(S)
The Digital Era: Are We Truly Connected?	Yeseo Chung
The Need for School-Based Fluoride Application Programs	Ancita Dsouza, Criselda Beronio, Sandy Wong, Jenny Yanga
Finding A Dental Home	Tam Can, Rika Chitose, Jonathan Golib, Kevin Sugawara
Healthy Smiles: Oral Health Advocates for Adults with Intellectual Disabilities	Janice Abella, Ana Beltran, Angela Colon, Samantha Dauz
Sidelined by Decay - Sugary Beverages' Effects on Dental Health	Claudia Arteaga, Michelle Ha, Stephanie Lopez, Rachel Stevenson
Oral Health Education for Certified Nurse Assistants at Long-Term Care Facilities	Anna Soi, Tenisha Rogers, Julia Stirling, Randal Rogers
Happy Teeth, Healthy Smile Oral Health Education Program	Lili Olmos, Monica Jaramillo, Anh Vo, Cassandra Redd
Parenting Role and Language	Elina Bortok, Raven Cervantez, Jackie Lampo
Say No to Single-Use Plastic	Riya Arora
Utilizing Technology to Prepare for Influx of Traffic	Kalina Kuneva
Communicating Astronomy to the Public	Les Poltrack, Dominick Lanni, Rebekah Smith, Mykhaylo Danylov
Juul: Healthy Alternative or Devil in Disguise?	Christopher Dadok
A Creative Form of Persuasion: Climate Change Informative Exhibition	Youlan Shen, Zijun Deng, Yiwen Gai, Xiangcheng Chen, Jingwen Pan, Yiyang Xie
Can I Get Some Help Please? A Study on the Effects of Individualism and Collectivism on Social Loafing	Antoinette Aragon
A Method for Treating Celiac Disease: Synthesis of Small Molecule Inhibitors of the HLA-DQ2 Receptor	Alex Siesel
Climate Change and Why It's Happening!	Lawrence Larkin
Online Courses and Achievement Gaps at Foothill College	Carey Lai
Poverty and Inequality in the Dominican Republic and Haiti	Giselle Garcia
Match Fixing in Soccer	Juan Mendoza
Mandatory Sentencing	Mina Tameilau
Project Mycø	Lynn Racelo
Disparate Communities	Qiao Xing Li, Andrew McReynolds, Sheba Naderzad, Daisy Rosalez, Chris Volar
How to Student?: High-Performing Students Teach How to Succeed as a Student	Leonardo Blas
Experiences of Immigrants from Central America	Ekaterine Mchedlishvili
Women in Prison	Emma Rocha
The Treatment of Muslims in America	Molly Cassani
Post-Apartheid Racism in South Africa	Emely Weimer
Women's Rights In Myanmar	Nobuko Suma
Children's Rights in Iraq	ChangYu Wu
A Notion for Analysis of Hydrocarbon Isomers	Gabrielle Thompson, Mason Julian



MID-MORNING PRESENTATIONS

SESSION	TITLE	PRESENTER(S)
SESSION 1 10-11 AM Hearthside Lounge Room 2313	Ensuring the San José Women’s Bill of Rights Protects Transwomen and Non-Binary People	Jessica Dickinson Goodman
	Puentistas Read!	Julia Figueroa, Miguel Ramirez, Stephanie Garcia, Santana Favela
	Bay Area High School Mental Health Crisis: Numbers and Solutions	Liza Mamedov-Turchinsky
	Contributing to Success: AB705	Benjamin Kaliczak
SESSION 2 10-11 AM Student Success Center Room 2149	Introducing the Chat Cafe	Michael McCusker
	Fighting Global Poverty	Beto Macedo, Brian Evans
	Gothic Literature Romantic VS Victorian Periods	Celine-Ruth Thomasian
SESSION 3 10-11 AM Toyon Room Room 2020	Computer Engineers of the Next Generation (CENG) Club: Free After-School Coding Classes	Daniel Lim, Nathaniel Latif, Cedric Chan
	Rethinking Modern Medicine: The Integration of Complementary and Alternative Medicine in Western Health Care	Beatrice White
	Automation of AOSLO Retinal Images Analysis Using Artificial Intelligence: Cone Photoreceptors Detection	Siavash Moghadami, Mahyar Mahmoudi
	Neural Circuits and Mirror Neurons in Autism Spectrum Disorder	Maria Reyes Fabregat



LATE MORNING PRESENTATIONS

SESSION	TITLE	PRESENTER(S)
SESSION 4 11 AM-12 PM Hearthside Lounge Room 2313	Morality 2.0: How Science Can Prompt Us to Reconsider Our Moral Values	Hooman Afzalzadeh, Sepp Farazi
	C4 – Consumer Culture & Climate Change	Ashanti Norman
	Using Freely Available Landsat Satellite Images to Visualize Landscape Change Over Time	Alexis Aguilar
SESSION 5 11 AM-12 PM Student Success Center Room 2149	Humanities Mellon Scholar Program	Falk Cammin
	Shaping Conservative Political Opinion in the United States: Applying Neuroscience to Influence Views on Healthcare Policy	Sam Muscatine
	What-Goes-Without-Saying: Barthes, Myth, and Ideology Construction in American Politics	Luis Lechuga-Espadas
SESSION 6 11 AM-12 PM Toyon Room Room 2020	Struggles Beneath the Surface: The Hidden Crises of FHDA's Student Body	Landon Rudolph, Lilian Juarez, Logan Keifling
	Destigmatization of Community Colleges	Patricia Gibbs



TITLE	PRESENTER(S)
A Notion for Analysis of Hydrocarbon Isomers	Gabrielle Thompson, Mason Julian
FarFest Project: Sneaker/Fashion Reselling for the Community	Karel Susanteo
Blackbird: A Low-Cost, High-Performance Bipedal Robot	Gabrael Levine
Leave Your Mark At Foothill, or What Do I Know About My Ancestors?	Ryan Saadat, Gyuldan Mamedova, Leonid Osipov, Nelli Mkhitarian
Environmental Pressure Resulting from Gender Stereotype Effects Academic Choices	Courtney Berthiaume, Rouqi Liu, Yuan Yuan Liu, Abigail Mendez
The Effects of Social Media and Mindful Activities on Positive Thinking	Helen Kotchetkova, Sean Baker, Andrea Rodriguez, Alejandra Ochoa, Yana Ulitsky
The Effects of Lack of Mental Health Resources in Bay Area Schools	Abigail Vargas, Niklas Goodman
Levels and Causes of Stress Among Foothill College Students	Vera Tran, Tara Somasundaram, Schelitha Tyler, Tho Au
Core Belief Systems in Astrology, Religion and Evolutionary Sciences	Hannah Fields, Amy Vo, Emma Danford, Amy Tran
Understanding Student Activity on Campus	Casey Schaefer, Darius Mahasin, Abraham Sanchez, Monthon Promphao, Marie Critchfield
FHVT Students Support the San Jose Homeless Population	Emily Miller, Aileen Ngo, Joanna Jokiel
Exploration of Stellar Motions in the Milky Way - From the Big Picture to a Needle-in-a-Haystack	Kimberly Long, Jared Geiselhart
Mind Over Matter - A Modern Crisis, Ancient Solution	Shivani Freya Gavney
An Exploration of the Relationship Between Self-Esteem Levels and Extroversion Personality Traits	Eman Magzoub
Is Instagram for the Vain?: Exploring the Connection Between Social Media and Vanity	Sarah Weller, Gerard Chiong, Jocelyn Serrano, Alexis Hill, Erin Wells
CBD Efficacy on Canine Epilepsy and Anxiety	Isabella Min
The Power of Positivity	Michael Hern
The California Real Estate Development Catalyst: California Senate Bill 35	Joshua Soetandar
Project SEED	Yu-Chieh Chang, Preetam Patil, Reid Yoshida
We for She: Advocacy for Gender Equality	Sharon Riou, Eman Magzoub
Shaping Conservative Political Opinion in the United States: Applying Neuroscience to Influence Views on Healthcare Policy	Sam Muscatine
Preventing Hunger in Our Community	Luping Zhang, Yuhan Zhou
Female Student Discrimination in Tanzania	Matthew Armer
U.S. Immigrant Detentions	Elexa James, Janet Salas, Sarah Salinas, Andrea Lopez
China Hides a Muslim Community from The World	Margarita Ibrahim
Human Rights: Women's Rights	Yuhui Chen
Children's Rights in Mexico	Urema Aguilar Torres
Women's Rights	Andrea Farcia, Monse Madrigal
The Human Right	Jiaqi Han



MID-DAY PRESENTATIONS

SESSION	TITLE	PRESENTER(S)
	A Rose By Any Other Name: Neo-Colonial Flower Plantations in the Shadow of the Spanish Hacienda	Liza Mamedov-Turchinsky
SESSION 7 12-1 PM Hearthside Lounge Room 2313	Archaeology, Culture, and Beliefs of The Ancient Ecuadorians	Monthon Promphao
	The Invisible Wall, The Visible Dream: The Struggles and Contributions of Immigrant Students at Foothill College	Xinyi (Sissi) Hu
	20 Years of Archaeology Field Programs: Assessing Student Learning and Service in Belize, Ecuador and Ireland	Samuel Connell
	Foothill Global Citizen Magazine	Sarah Hamidi, Global Citizen Magazine Staff
SESSION 8 12-1 PM Student Success Center Room 2149	The Flipped Solution	Beto Macedo
	Vietvoices	Dominick Lanni, Leika Keys, Dylan Lane, Zack Butsch, Nathaniel Mackler
	Brainstorming How African American Students Podcast	Jonathan Johnson, Ché V. Meneses
	California Native Plant Garden at Foothill College	Lisa Schultheis
SESSION 9 12-1 PM Toyon Room Room 2020	Captivity in Zoos	Julie Ahmed
	Reduce, Reuse, Recycle... Our Clothing? A Look Inside the Sustainable Realm of E-Commerce Site, Poshmark	Olivia Longhetto
	Cool Phytoplankton Research in Antarctica	Anna Alderkamp



EARLY AFTERNOON PRESENTATIONS

SESSION	TITLE	PRESENTER(S)
	Do I Belong Here? An Exploratory Study Investigating the Relationship Between a Sense of Belonging, Engagement in Campus Activities, and Perceptions of Institutional Support Among Ethnically Diverse College Students	Matthew Bodo
SESSION 10 1-2 PM Hearthside Lounge Room 2313	Overcoming Social Anxiety in College	Marilize Pires
	Commute Mobile App	Andrew Tran, Derek Tang, Shrina Desai
	Let's Play Math at Foothill College!	Jennifer Sinclair, Phuong Lam, Teresa Zwack, Lori Silverman, Marc Knobel, Young Hee Park Lee
SESSION 11 1-2 PM Student Success Center Room 2149	Parents Helping Parents	Alexis Takagi
	Policies and Interventions to Combat Human Trafficking in Europe	Guadalupe Sahagun
	Exposing the Border of Ideology: Three Films by Yorgos Lanthimos	Kristin Tripp Caldwell
	Pieces of Change	Brooke Alviar, Nour Dannawi
SESSION 12 1-2 PM Toyon Room Room 2020	Project Connect	Edwin Tse
	Contested Boundaries: From Juana Briones' Rancho La Purisima Concepcion to its Native Past	Joseph Hidde
	The Integration of Service Leadership and Study Abroad: The Castles in Communities Model	Kathryn Maurer



TITLE	PRESENTER(S)
The Use of Red Onion Skin (<i>Allium Cepa</i> Var <i>Ascalonicum</i>) As A Component of Cholesterol-Reducing Agent	Megan Letitia
He Said, She Said: Victimization from Society and the Court	Royalle Hurney
Cardiac Imaging	Monika Lal, Shalvin Vareed, Nathan Schrock, Samaria Zarate
Mobile Radiography in the Theatre of War	Robert Porrez, Ermi Seleshi, Justin Williams
Perception of an Ideal Romantic Relationship	Nataly Navarrete, Joanne Cheng, Lucas Ueda, Anna Speder
Comparisons of Social Media Self-Esteem to Global Self-Esteem	Diane Andres, Arjay Estrada, Safa Choudhury, Josh Greenstein
Lithotripsy	Irene Zamora, Joseph Sandoval, Justin Reinschmidt
#RELATIONSHIPGOALS: Identifying the Influence of Social Media-Derived Idealized Romantic Constructs on Young Adults	Andrea Goepel
Acting and The Brain	Olivier Matheny-Plamondon
Analysis of Color in Kieslowki’s “The Double Life of Veronique”	Pavel Savgira
An Insight into Candles	Dina Mousavi, Bhavi Shah
3D Changes the Game	Kristy Nguyen, Tina Tran, Adi Tufekcic
Forensic Imaging: A Look Into Virtual Autopsies	Joanne Heredia, Kristi Nguyen, Deidra Nash
Fetal MRI Imaging	Danielle Martinez, Laura Sepulveda, Melinda Metzger
Distance & Scatter for Healthcare Workers	Merrylle Corpuz, Shiree Dela Cruz, Rio Nguyen
The Different Types of Primates	Sarah Hamidi
Spreading Awareness of Climate Change in Politics	Ruhena Randhawa, Natalia Ruvalcaba
Our Anthropocene Agenda	Charlotte Six
We Are One With Our Worries and Anxieties: A Project with College Students	Karen Ann Quero
Silent Killers of the South Asian Community	Satvir Basran
Conditions of Urban Homelessness	Ruoxi Wang, Jiaxin Deng
The Polar Vortex and Climate Change	Norman Li
Analyzing How to Explain Driverless Vehicle Technology	Saifuddin Mohammed
Senior Care Project: Breaking the Stigma	Amogh Shamarao, Francesca Leventhal, Alita Cheang, Ashley Liu, Reid Yoshida
Economic History Repeats Itself: The Tale of Two Recessions	Sandalina Sattar
Freedom of The Press	Xiaoyu Han, Peiqi Wang, Yuanqing Huang
Violation of Children’s Rights	ZhiGuo Luo
Human Rights	Joshua Rhodes
The Sterilization of Transgender People in Japan	Maria Ortega
Environment and Poisoning	Victor Luna
Venezuelan Crisis	Carlos Okano
Libyan Refugees’ Human Rights	Zhaofeng Tang



MID-AFTERNOON PRESENTATIONS

SESSION	TITLE	PRESENTER(S)
SESSION 13 2-3 PM Hearthside Lounge Room 2313	The Foothill Sustainability Newsletter	Sarah Hamidi, Arthur Raymond
	Taxi Driver Formal Analysis	Jonathan Guillen
	Talk About ‘Smart Mobility’	ByeongJun Kim
	Education Everywhere	Ankit Lakkapragada
SESSION 14 2-3 PM Student Success Center Room 2149	Student Dance Performance for Community Elders	Donna Frankel
	The Quest for Meaning: The Neglected Social Endeavor	Taka Sun
	Yemen Relief	Mohammed Saeed
	ASMR Videos: A Youtube Fad? Exploring the Relationship between ASMR, Relaxation, and Brain Behavior	Steph Lim Yi Qing, Leticia Matsubara de Morais, Maria Reyes Fabregat, Qiuchi Hu, Ren-Hui Michelle Tham
	To Stay or To Go: An Economic Analysis of Living in the San Francisco Bay Area in the Face of Sea Level Rise	Aditi Pandey
SESSION 15 2-3 PM Toyon Room Room 2020	Don’t Call Me Crazy! Neurochemistry and Mental Illnesses: Understanding the Chemical Imbalances	Satvir Basran, Maria Reyes
	Polymer-Encapsulation for Improved Small-Molecule Drug Delivery	Amit Tal
	One in Ten: A Global Women’ Healthcare Crisis	Andrea Vasquez
	Foothill Global Brigades: Honduras 2018-2019	Thomas Eschbach, Sheba Naderzad
	The Peripheral of Foreign Diplomacy: One Step Forward, Two Steps Back in Azerbaijan’s Turbulent History Under Russian Dominance	Liza Mamedov-Turchinsky
	Social Entrepreneurship	Sarah Hamidi
	Project SEED	Yu-Chieh Chang, Preetam Patil, Reid Yoshida
	Growing Umoja	K’ronna Harmon

