

3rd CaliBaja Symposium and Workshop



The UC San Diego *CaliBaja Center for Resilient Materials and Systems* will bring together international leaders in science and technology to provide a vision of what **future developments** lie ahead and to continue building **bridges of collaboration**.

June 20, 2022
8:00 - 17:30 hrs

University of California San Diego
Location: Price Center West Ballroom
Map of location: <https://map.concept3d.com/?id=1005#!m/163154>

Registration: <https://forms.gle/izM7LS3d8uyYCWmV7>

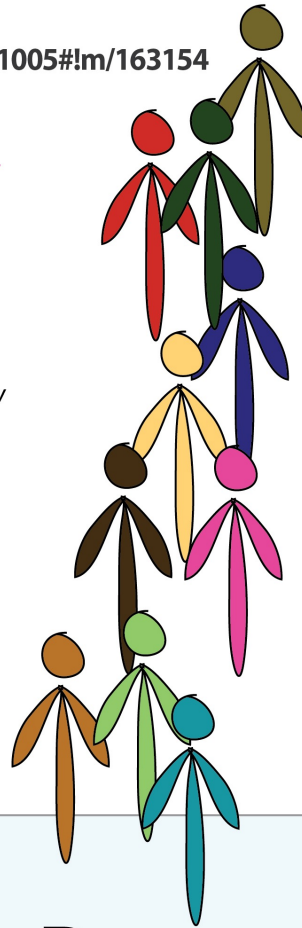
Plenary and Invited Speakers:

Chancellor Pradeep K. Khosla, *University of California San Diego*
Councilmember Paloma Aguirre, *City of Imperial Beach*
Prof. María Tereza Cavazos, *Centro de Investigación Científica y de Educación Superior de Ensenada*
Prof. Falk Feddersen, *UC San Diego Scripps Institution of Oceanography*
Prof. Enrique Carrillo, *San Diego State University*
Prof. Dora-Luz Flores, *Universidad Autónoma de Baja California*
Rector Fernando León García, *CETyS Universidad*

This event will also serve as inauguration of our yearly ENLACE summer research program.

Welcome ENLACE 2022 students!

We will also be celebrating ENLACE alumni that are now enrolled in doctoral programs.



Director

Olivia A. Graeve
Professor, UC San Diego
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Materials and Systems
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There is no cost
associated with
participation
in this event.

UC San Diego
Jacobs School of Engineering

Olivia A. Graeve

Professor, Department of
Mechanical and Aerospace
Engineering

Director, CaliBaja Center for
Resilient Materials and Systems

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3rd CaliBaja Symposium and Workshop — Agenda — 20 June 2022

8:00-9:00 AM	Registration
9:00-9:10 AM	Olivia A. Graeve University of California San Diego Introduction
9:10-9:25 AM	Chancellor Pradeep K. Khosla University of California San Diego Welcome remarks
9:25-9:50 AM	Olivia A. Graeve University of California San Diego The future of U.S.-Mexico collaboration: Science, technology, and workforce development
9:50-10:15 AM	Signing ceremony of collaboration agreements
10:15-10:30 AM	Coffee break
10:30-11:30 AM	Panel: Environment and Climate Change Moderator: Paloma Aguirre Panelists To be determined Centro de Nanociencias y Nanotecnología—Universidad Nacional Autónoma de México María Tereza Cavazos Pérez Centro de Investigación Científica y de Educación Superior de Ensenada Falk Feddersen UC San Diego Scripps Institution of Oceanography
11:30 AM-12:30 PM	Panel: Workforce Development in the CaliBaja Region Moderator: Gustavo de la Fuente Panelists Enrique Carrillo San Diego State University Dora-Luz Flores Universidad Autónoma de Baja California Octavio Castorena García Solar Turbines
12:30-1:30 PM	Lunch
1:30-2:15 PM	Rector Fernando León García CETyS Universidad Keynote speaker remarks and introduction of ENLACE 2022 participants

Goals:

- ❑ Growth of our CaliBaja Education Consortium through the signing of several MOUs.
- ❑ Celebration and recognition of the ENLACE 2022 students. We have 185 participants this year!
- ❑ Two panels (morning) and scientific talks (afternoon)

2:15-4:00 PM	<p>Research talks by ENLACE alumni</p> <p>2:15-2:20 PM: Initial introductions</p> <p>2:20-2:40 PM: Minerva A. Padilla Villa Scripps Institution of Oceanography Title: to be determined</p> <p>2:40-3:00 PM: Janna Sage Department of NanoEngineering Title: to be determined</p> <p>3:00-3:20 PM: Shari Estrada Taxilaga Department of Mechanical and Aerospace Engineering "Design of Materials for Ultra-high Temperature Applications: Powder Morphology Control in Carbides"</p> <p>3:20-3:40 PM: Evan Sandoval Division of Biological Sciences "How plants decide what to do: A DNA-binding protein that can protect against disease and drought"</p> <p>3:40-4:00 PM: Alan Hiraes Ahuatzin Department of NanoEngineering "Advanced Materials for Neutron Detection Applications: Design and Synthesis of Hexaborides"</p> <p>4:00-4:20 PM: César Martínez Cruz Department of Mechanical and Aerospace Engineering "Smart Materials: An Insight into Shape Memory Ceramics"</p> <p>4:20-4:40 PM: Maria Reynoso Department of NanoEngineering "Microneedles: A new approach for transdermal drug delivery systems and monitoring devices"</p>
4:40-5:00 PM	Closing remarks

ENLACE Summer Research Program

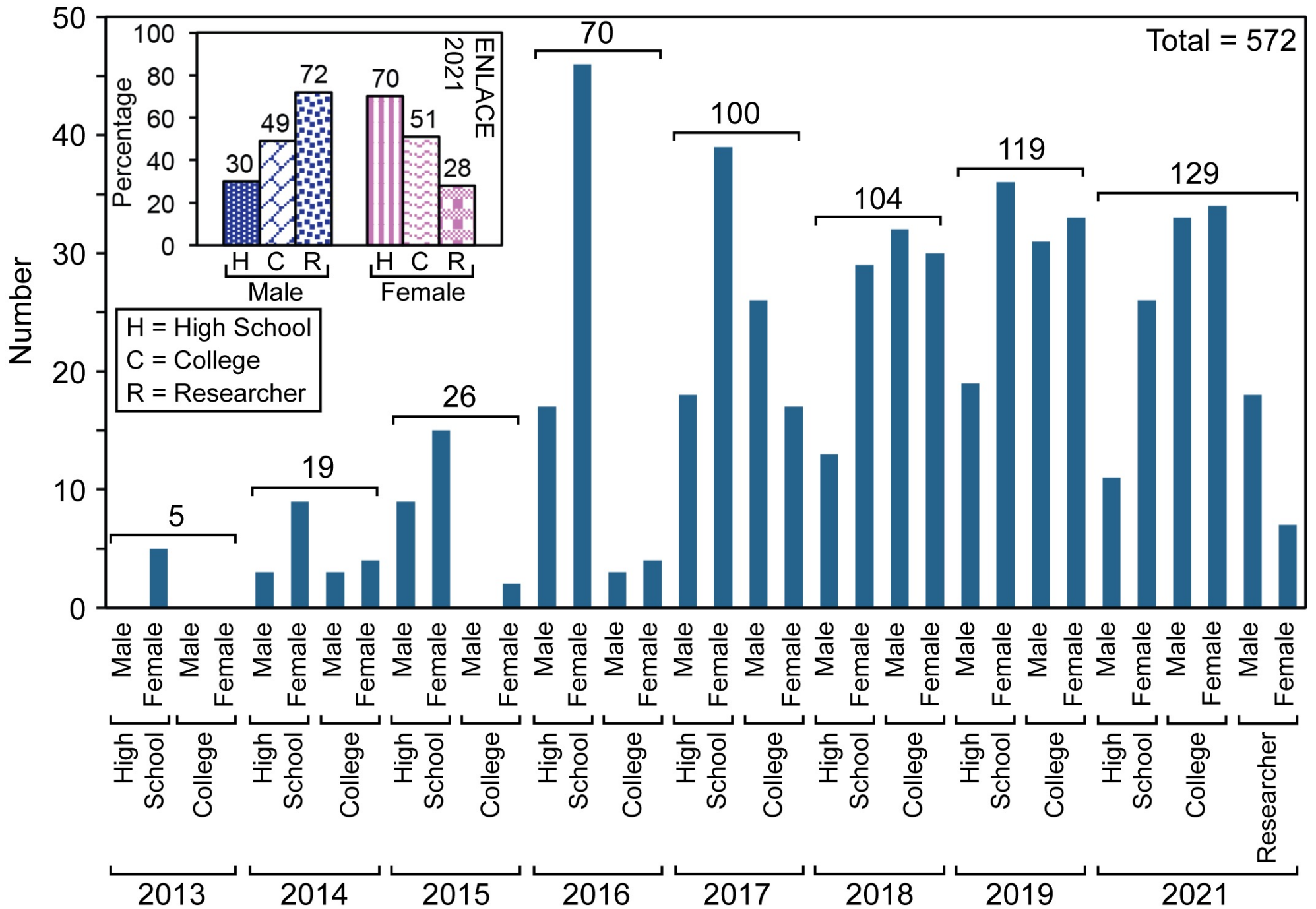


As a model of collaboration, students are organized in pairs (one from each side of the U.S.-Mexico border) and they work together in an assigned research laboratory at UC San Diego supporting the activities of a PhD student mentor.

During a lighthearted moment, some of the students from the ENLACE 2016 program discuss their projects. The program was highlighted in the San Diego Union-Tribune as a program of "Science without borders":

<http://www.sandiegouniontribune.com/news/border-baja-california/sdut-ucsd-science-program-seeks-to-bridge-border-2016aug04-story.html>





Olivia A. Graeve

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University of California San Diego

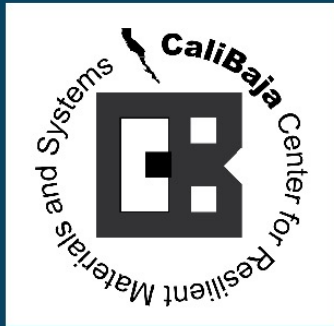
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Grad School Prep – from June 22 to July 20; Wednesdays from 2:00-5:00 PM; online program for undergraduate students interested in learning about graduate school.

CaliBaja Webinars – from June 21 to August 23; Tuesdays from 4:00 to 6:00 PM; webinars of scientists and artists in celebration of the International Year of Glass.





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20 June 2022

UC San Diego

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