



CaliBaja Webinars

Research Webinar Series -- Fall 2021

Research Webinar Series Welcome!

Our CaliBaja Webinars are back for
Fall 2021!

We have scheduled a series of **research talks for students, researchers, and the general public**, as part of a collaboration between the UC San Diego CaliBaja Center for Resilient Materials and Systems, the *Instituto Tecnológico de Tijuana*, the *Red de Expertos en Telecomunicaciones*, the *Centro de Investigación y Desarrollo de Tecnología Digital*, *Universidad La Salle México*, and the Center for Ethics in Science & Technology. The webinars have no cost for participation. Some sessions are in Spanish and others are in English.

Registration:

<https://forms.gle/MUJ8AJCxdHSUYCv7>

Virtual Session Platform:

All sessions will be via the Zoom app

Times:

Start time:

4:00 PM (Pacific time; Tijuana)

End time:

6:00 PM (Pacific time; Tijuana)

Program Dates:

5 October to 7 December 2021

Specific Dates and Seminar Titles:

http://graeve.ucsd.edu/CW_Fall2021.pdf



Director

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UC San Diego

Instructions on connecting to all virtual sessions will
be sent by email once registration is completed.
For questions email calibajadirector@ucsd.edu.



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Registration Web Site: <https://forms.gle/MUJ8AJCxdHSUYCv7>

(all participants must register in order to receive the link to the Zoom connection for each session)

Special Instructions for Students from *Instituto Tecnológico de Tijuana*

Students from ITT must also register at:

<https://docs.google.com/forms/d/e/1FAIpQLSdyxgFVR7vgiZBnDpSfh1oIBLFhxJB5Z0XEIAeNaBaQT2eUqQ/viewform>

in order to receive ITT educational credit for participation in this program.

Schedule

Tuesday, 5 October 2021

(English) 4:00-5:00 PM: Octavio Aburto-Oropeza, University of California San Diego

Title: Mangroves of México: Science, protection, and the 2030 United Nations agenda

(Spanish) 5:00-6:00 PM: Rafael Vazquez-Duhalt, Universidad Nacional Autónoma de México

Title: Nanoreactores enzimáticos para aplicaciones terapéuticas

Wednesday, 6 October 2021 -- Exploring Ethics Forum: Scientists in Society

(English) 5:00-6:00 PM: Patricia Gándara, University of California, Los Angeles

Title: The students we share: educational policy and training the next generation of scientists

Tuesday, 12 October 2021

(English) 4:00-5:00 PM: Karin Sandstrom, University of California San Diego

Title: Our Dusty Universe

(Spanish) 5:00-6:00 PM: Miguel Sánchez Meraz, Instituto Politécnico Nacional

Title: Evaluación de niveles de conectividad a nivel nacional usando crowdsourcing

Tuesday, 19 October 2021

(English) 4:00-5:00 PM: Nicholas Boechler, University of California San Diego

Title: Multiscale mechanical metamaterials for dynamic self-amplification and adaptation

(Spanish) 5:00-6:00 PM: Ignacio Rivero, Instituto Tecnológico de Tijuana

Title: Aplicaciones de la química orgánica en biología

Tuesday, 26 October 2021

(English) 4:00-5:00 PM: Mario Eduardo Rivero Angeles, Instituto Politécnico Nacional

Title: Performance analysis of LiFi communication systems in VANETs

(Spanish) 5:00-6:00 PM: Mercedes Teresita Oropeza Guzmán, Instituto Tecnológico de Tijuana

Title: Gestión integral del agua, un reto científico y social de la región Tijuana-San Diego

Tuesday, 2 November 2021

(English) 4:00-5:00 PM: Humberto Jair Híjar Juárez, Universidad La Salle México

Title: Multi-particle collision dynamics simulations of colloidal particles in liquid crystals

(Spanish) 5:00-6:00 PM: Samantha Paulina Jiménez-Calleros, Instituto Tecnológico de Tijuana

Title: Agente conversacional afectivo para sistemas de aprendizaje

Wednesday, 3 November 2021 -- Exploring Ethics Forum: Scientists in Society

(English) 5:00-6:00 PM: Brian Spitzberg, San Diego State University

Title: Communication and the public good

Tuesday, 9 November 2021

(English) 4:00-5:00 PM: Marco Antonio Loza Mejía, Universidad La Salle México

Title: Design and evaluation of drugs against metabolic syndrome: Use of a holistic model for the evaluation of their multitarget properties

(Spanish) 5:00-6:00 PM: Jorge Roberto Sosa Pedroza, Instituto Politécnico Nacional

Title: Teoría, análisis, diseño y medición de antenas

Tuesday, 16 November 2021

(English) 4:00-5:00 PM: Luis Tupak Aguilar Bustos, Instituto Politécnico Nacional

Title: Self-oscillations: From finite to infinite dimensional systems

(Spanish) 5:00-6:00 PM: Berenice Vargas Coronel, Instituto Tecnológico de Tijuana

Title: La importancia de la educación STEAM+ en Baja California

Tuesday, 23 November 2021

(English) 4:00-5:00 PM: Olivia A. Graeve, University of California San Diego

Title: Materials in space: what is needed to colonize other planets?

(Spanish) 5:00-6:00 PM: María de los Angeles Quezada Cisnero, Instituto Tecnológico de Tijuana

Title: Modelos para la interacción con dispositivos móviles táctiles para usuarios con capacidades diferentes

Tuesday, 30 November 2021

(English) 4:00-5:00 PM: Hipólito Aguilar Sierra, Universidad La Salle México

Title: Mobile exoskeleton to assist lower limb rehabilitation in burn survivors

(Spanish) 5:00-6:00 PM: Eloy Ramírez García, Instituto Politécnico Nacional

Title: Diseño de circuitos a base de tecnologías emergentes de FETs para aplicaciones en la gama de los terahertz: perspectivas y retos

Wednesday, 1 December 2021 -- Exploring Ethics Forum: Scientists in Society

(English) 5:00-6:00 PM: Vicki Grassian, University of California San Diego

Title: Science, collaboration and innovation: "across the interface"

Tuesday, 7 December 2021

(English) 4:00-5:00 PM: Daniela Valdez-Jasso, University of California San Diego

Title: From the right heart to the pulmonary arteries: a multi-scale approach to understanding pulmonary arterial hypertension

(Spanish) 5:00-6:00 PM: Manuel Herrera Zaldivar, Universidad Nacional Autónoma de México

Title: Influencia de las vacancias de oxígeno en las propiedades luminiscentes y de conducción eléctrica en nanocintas de hidroxiapatita