

Architect's Role in Climate Resilience

April 27, 2022, 3:30pm PST

https://ncarb.zoom.us/webinar/register/WN_Vys1DaATNSuvvbgMHIwmQ

Tian Feng, FAIA, FCSI, Moderator, President, California Architects Board

Nuin-Tara Key, Deputy Director, Climate Resiliency, Governor's Office of Research & Planning

Steven Winkel, FAIA, PE, Author, Former California Building Standards Commissioner

Matthijs Bouw, Author, Founder of One Architecture + Urbanism, Amsterdam & New York



WCARB

Western Council of
Architectural Registration Boards
REGION 6

A WCARB Townhall On

Architect's Role in Climate Resilience

Agenda

Introduction (10 min)

Opening Presentations (35 min)

Townhall with Speakers (40 min)

Closing Remark (5 min)

Learning Objectives

	Describe Climate Adaptation Strategies
	Define risks and impacts of wildfire and sea level rise to buildings and communities
	Explain codifications of resilient design against wildfires
	Explore innovative design solutions to adapt sea level rise and flood
	Discuss potential opportunities and liabilities of architectural practices in resilient design

Attendees will earn **1.5 AIA LU/HSW** for attending this presentation live.
NCARB will submit you for AIA credit.

AIA
Continuing
Education
Provider



Tian Feng, FAIA FCSI

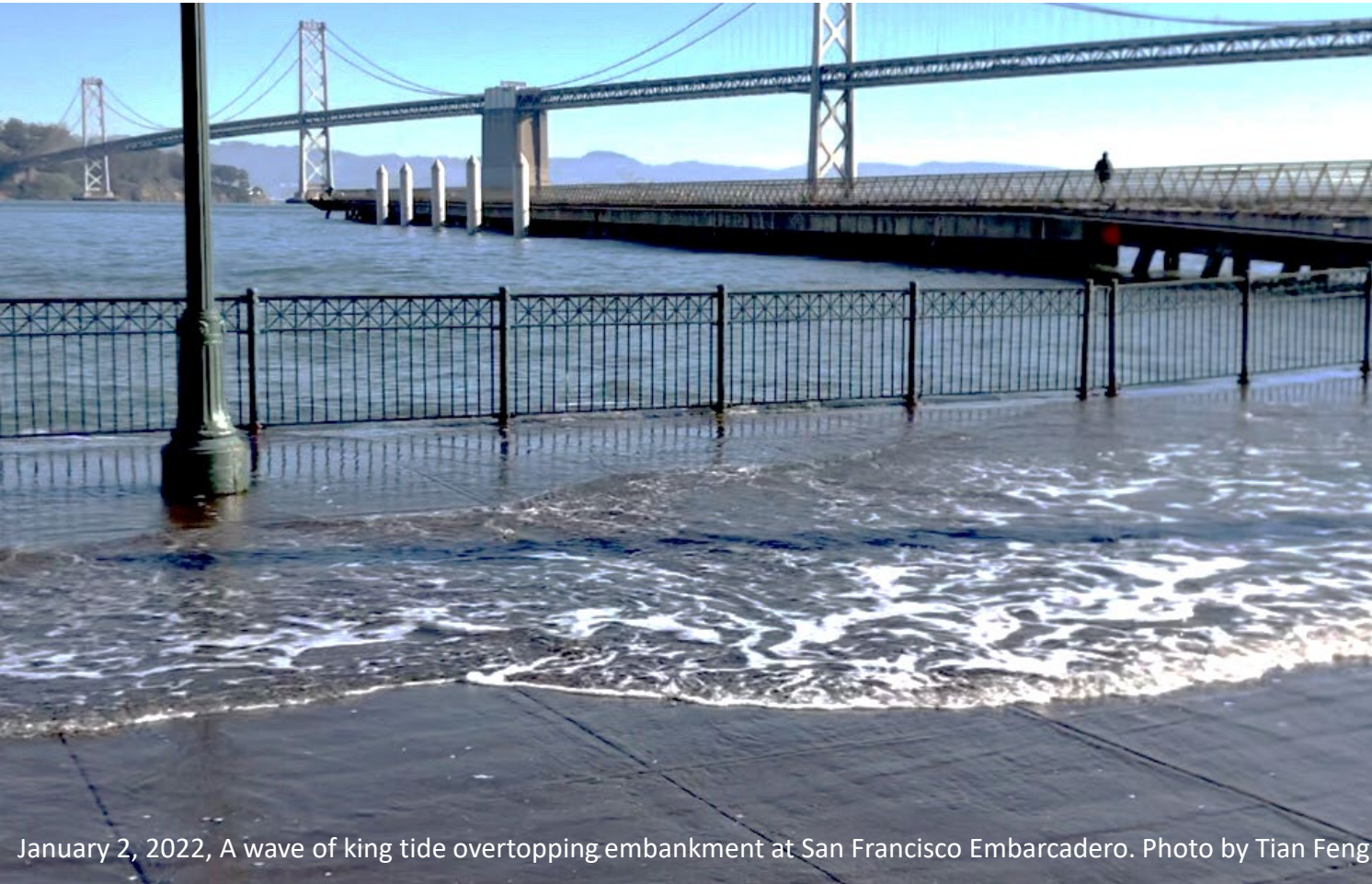
President, California Architect's Board

District Architect, San Francisco Bay Area Rapid Transit District (BART)

Over a decade ago, Tian initiated BART's climate resiliency work in partnership with federal and state agencies. He was the principal investigator and lead author of "BART Climate Change Adaptation Assessment Pilot" funded and published by US Federal Transit Administration (FTA) in 2014. With support from FHWA, Tian has collaborated with CalTrans and Metropolitan Transportation Commission in addressing sea-level rise adaptation for Bay Area's transportation systems in 2016. Tian served as a Research Advisor to Resilient By Design Bay Area Challenges in 2017 and a Steering Committee Member at San Francisco Bay Area Regional Coastal Hazards Adaptation Resiliency Group since 2018. He is currently a Leadership Advisory Group member for the Bay Adapt Joint Platform with the Bay Conservation & Development Commission. Tian is a member of AIA National Resilient & Adaptation Advisory Group and founding co-chair of AIA California Resilient Design Committee.



National Council of Architectural Registration Boards (NCARB)

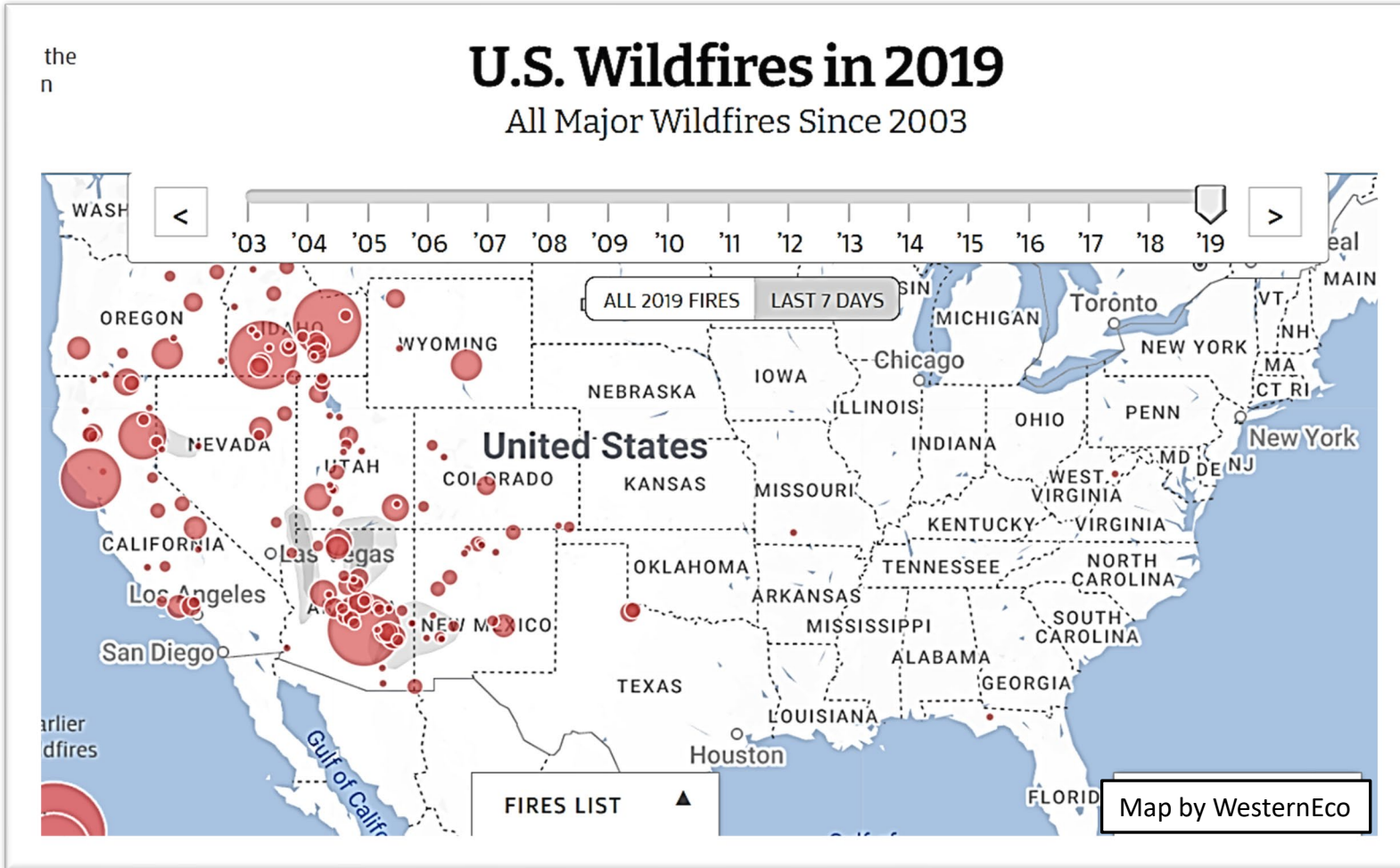


January 2, 2022, A wave of king tide overtopping embankment at San Francisco Embarcadero. Photo by Tian Feng

Established in 1920, NCARB is a nonprofit corporation comprising the legally constituted architectural registration boards of the 50 states, the District of Columbia, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands as its members. Its mission is to collaborate with licensing boards to facilitate the licensure and credentialing of architects to protect the health, safety, and welfare of the public.

NCARB recommends model law, model regulations, and other guidelines for adoption by its member jurisdictions, but each makes its own laws and registration requirements. As a service to its members, NCARB develops, administers, and maintains the [Architectural Experience Program \(AXP\)](#) and the [Architect Registration Examination \(ARE\)](#) as well as facilitates reciprocity between jurisdictions through the NCARB Certificate.

About NCARB Region 6 (WCARB)



Western Region (Region 6) has been experiencing intensified impact from climate changes to our buildings and communities. These impacts have created both challenges and opportunities for Region 6 architects in many ways: design processes, stakeholder engagement, code and regulations, standard of care, and professional liabilities.

Guided by Region 6's Strategic Plan, its Education Committee has made climate resiliency of our communities the regional top priority. The committee will be a resource to our architects and allied professionals for advancing resilient design transcending all scales.

About this Townhall

Case Study: California's Climate Adaptation Strategies

- Legislative context
- Policy framework
- Resources to communities

Codifying Resilient Design against Wildfires

- Learning from disasters
- Codification of fire-resisting design
- Protecting housing stock

Holistic Design Approaches to Sea-level Rise and Flood Adaptation

- Building with nature
- Creating adaptive capacity
- Thriving with water for Coastal Communities

Architect's Role in Climate Resiliency

Facilitated dialogues between audience and panelists



Nuin-Tara Key

Deputy Director, Climate Resilience

California State Governors Office of Research & Planning

Nuin-Tara Key is Deputy Director for Climate Resilience at OPR and Chair of the Technical Advisory Council for the Integrated Climate Adaptation and Resiliency Program.

Prior to joining OPR, Nuin-Tara co-founded an international initiative on community-based climate action and has worked in the public, private, and non-profit sectors on sustainable urban and regional planning and policy, with a focus on social equity and climate change. Her areas of expertise are sustainable urban development, climate change mitigation and adaptation planning, climate impact assessments and GHG accounting, social equity and good governance, strategic planning and organizational development.

She has a Master of Urban and Regional Planning from Portland State University and a BA from Lewis and Clark College.



DRAFT **California Climate Adaptation Strategy**

October 18, 2021

Public comment period ends November 17, 2021.
Options to submit written input include:
Mail: California Natural Resources Agency,
715 P Street, Sacramento, CA 95814
Email: icarp@opr.ca.gov

Additionally, we will hold three regional workshops and two tribal listening sessions to solicit input on the draft. Details will be posted on the [2021 California Climate Adaptation Strategy](#) web page.



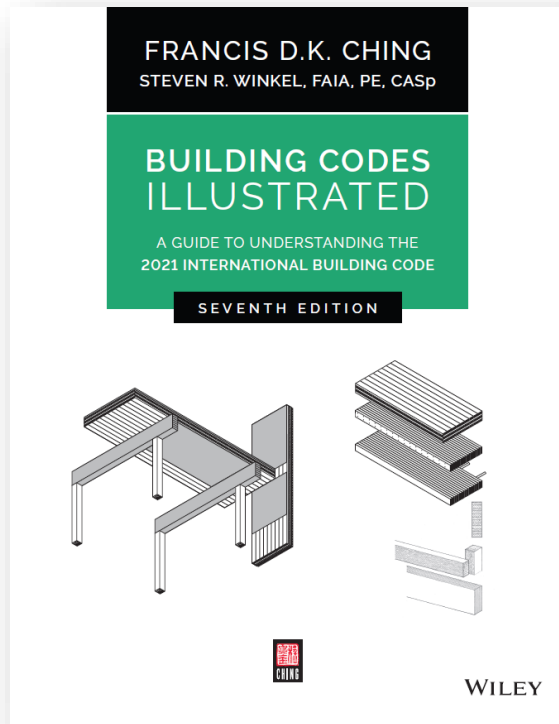
Steven Winkel, FAIA, PE

Partner, The PREVIEW GROUP, Inc.

Steven Winkel manages the Bay Area office of The Preview Group, Inc., a firm that specializes in building code and accessibility. He is a licensed architect, civil engineer, landscape architect and certified access specialist.

Steve was a Board Member of the National Institute of Building Sciences (NIBS) from 2009 - 2015. Steve served five 4-year terms as the Architect member of the California Building Standards Commission and served as a vice chair. He is a member of the National AIA Codes and Standards Committee. He is an Honorary Member of the ICC with a voting privileges.

Steve was active in developing the rebuilding code standards for the City of Oakland after the 1991 Oakland Hills Firestorm. He was heavily involved in the review and adoption of the California State Fire Marshal's wildland urban interface code requirements, now found in Chapter 7A of the California Building Code. Steve has served twice on the National Institute of Science review panel. He is the co-author of Building Codes ILLUSTRATED.





Matthijs Bouw

Founder of One Architecture + Urbanism, Amsterdam & New York
Author of Building with Nature

Matthijs Bouw is a Dutch architect and urbanist, founder of One Architecture, an award-winning Amsterdam and New York-based design and planning firm. He is the Rockefeller Urban Resilience Fellow for the University of Pennsylvania Stuart Weitzman School of Design. He is a driving force between RBD U, a network of design schools that collaborate on resilience issues, and he is developing the Chief Resilience Officer curriculum for 100 Resilient Cities.

Matthijs' office co-leads the BIG Team that won the Rebuild by Design competition for the flood protection of Manhattan, and is currently part of the multi-disciplinary teams executing the first phase of the East Side Coastal Resiliency project for Lower Manhattan as well as planning the Lower Manhattan Coastal Protection project.



Q+A with Speakers

To submit your question, click on the Q&A button then type in your question.

Tian Feng, FAIA, FCSI, Moderator, President, California Architects Board

Nuin-Tara Key, Deputy Director, Climate Resiliency, Governor's Office of Research & Planning

Steven Winkel, FAIA, PE, Author, Former California Building Standards Commissioner

Matthijs Bouw, Author, Founding Principal, One Architecture + Urbanism, Amsterdam & New York



WCARB

Western Council of
Architectural Registration Boards
REGION 6

Architect's Role in Climate Resilience

April 27, 2022

Closing Remarks



WCARB

Western Council of
Architectural Registration Boards
REGION 6

Architect's Role in Climate Resilience

April 27, 2022

Thank you!



WCARB

Western Council of
Architectural Registration Boards
REGION 6