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Seismic Advisory Board

OVERVIEW

The Seismic Advisory Board (SAB) is a group of independent structural and geotechnical engineers with seismic expertise appointed by the UC Office of the President to provide technical seismic advice to the university. The SAB provides guidance on seismic design, performance ratings and rehabilitation associated with UC's facilities. The SAB's responsibilities include assessing seismic risk, advising on seismic priorities, and providing policy revision recommendations.

MEMBERS

Holly Razzano

Holly Razzano is the chair of the University of California Office of the President Seismic Advisory Board. She has more than 30 years of engineering experience. As a Degenkolb Engineers principal, she serves as leader of the firm's education practice. Her diverse new design and retrofit experience includes university facilities and community colleges, laboratories, medical office buildings and historic structures. Holly is an active member of the Structural Engineers Associate of Northern California. She is actively involved in the conference planning committee. She is also an active member of the Society for College and University Planners. Since the 1990's, Holly has performed design and evaluation work for several University of California campuses including Berkeley, Davis, and Santa Cruz.

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Bret Lizundia

Bret Lizundia is the vice chair of the University of California Office of the President Seismic Advisory Board. Bret is an executive principal of Rutherford + Chekene. He has led many of R+C's most innovative and structurally complex projects. His portfolio of work includes the structural design of new laboratories, museums, academic centers, healthcare facilities and office buildings; seismic evaluation and rehabilitation of existing buildings; peer review and plan checking; and applied research and guideline development. Bret's seismic expertise, innovative capabilities, and high standard of excellence have earned him and his projects many prestigious awards and keep him at the forefront of the industry and the minds of his clients. Bret is a former president of the Applied Technology Council and the Structural Engineers Association of Northern California. He is a member of the UC San Francisco Seismic Review Committee, a member of the California Geological Survey's Strong Motion Instrumentation Advisory Committee, and the chair of its Buildings Subcommittee. He is also a member of the Building Seismic Safety Council Provisions Update Committee which authors the *National Earthquake Hazards Reduction Program Recommended Seismic Provisions for New Buildings and Other Structures* that serves as the basis for seismic provisions in the United States.

Mason Walters

Mason Walters is a charter member of the University of California Office of the President Seismic Advisory Board. Mason is a senior principal at Forell/Elsesser Engineers, Inc. and has been with the firm for over 34 years. He serves as the firm's technical director, providing coaching and mentoring, and working with technical staff to determine optimal design approaches to practically achieve the best possible relationship between structural performance and construction efficiency. Mason's extensive experience in seismic analysis and design of structures includes diverse project types, such as university classroom and research facilities, mission-critical buildings and lifelines, highway and pedestrian bridges, historic building and bridge restoration and rehabilitation, hotels, office buildings, high-security manufacturing facilities and numerous others. Mason was inducted into the Academy of Distinguished Alumni by the Civil and Environmental Engineering Department at UC Berkeley in 2018. In 2019, Mason was awarded the H.J. Brunnier Lifetime Achievement Award for Outstanding Achievement in Structural Engineering by the Structural Engineers Association of Northern California.

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Maryann Phipps

Maryann Phipps has over 40 years experience evaluating, designing and renovating buildings in California. Throughout her career, Maryann has worked with academic and hospital clients to design facilities capable of serving their communities immediately after an earthquake. Her hands-on experience has made her a recognized expert in the field of nonstructural design. She serves on the CSU Seismic Review Board, is the chair of the UCSF Seismic Review Committee, and has served on the California Hospital Building Safety Board. Maryann is president of Estructure, a boutique structural engineering firm located in Oakland. She was inducted into the Academy of Distinguished Alumni by the Civil and Environmental Engineering Department at UC Berkeley in 2016.

Thomas A. Sabol

Thomas A. Sabol, a principal at Englekirk, specializes in structural engineering of institutional projects, structure seismic rehabilitation and tall building wind engineering. He earned his undergraduate degree from Cal Poly, SLO and graduate degrees from UCLA. He is a registered structural engineer and licensed architect. Thomas is adjunct professor in UCLA's Civil Engineering Department, teaching courses on tall buildings and structural steel. He is a member of AISC's Seismic Systems, Specifications and Research committees and the CSU Seismic Review Board.

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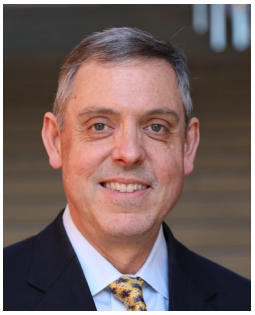

Jonathan Stewart

Dr. Jonathan P. Stewart is a Professor in the Samueli School of Engineering at UCLA. He received his BS, MS, and Ph.D. degrees from U.C. Berkeley. He focuses his research on geotechnical earthquake engineering and engineering seismology, with emphases on seismic soil-structure interaction, earthquake ground-motion characterization, site response, seismic ground failure, and the seismic performance of structural fills and levee embankments. Findings from his research have been widely utilized in engineering practice, including through the National Seismic Hazard Model, produced by the U.S. Geological Survey, and guidelines for structural design published by the Building Seismic Safety Council. He maintains an active consulting practice related to seismic hazard analysis, site response, seismic performance assessment, and geotechnical engineering for private and public agencies world-wide. His work has been recognized with best-paper awards, honorary lectures, teaching awards, and election to the National Academy of Engineering.

David Cocke

David Cocke founded Structural Focus in 2001. His expertise is structural design, adaptive reuse, seismic evaluation/retrofit, and historic preservation. Projects include historic landmarks, new laboratories, commercial building repair/retrofit, studio production facility design, building evaluations (industrial, high-tech, and film studios), and educational facilities. David is a licensed structural engineer in California and 15 other states and is a California Governor's OES-certified Safety Assessment Program Disaster Emergency worker. His many years of dedicated service to the engineering community have earned him fellowships in the Structural Engineers Institute, the American Society of Structural Engineers, and the Structural Engineers Association of Southern California. In 2017, David was inducted into Virginia Tech's Charles E. Via Jr. Department of Civil and Environmental Engineering Academy of Distinguished Alumni. He currently serves as Immediate Past President of the Earthquake Engineering Research Institute (EERI) and on the National Institute of Standards and Technology (NIST) Advisory Committee on Earthquake Hazard Reduction.

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Ibrahim Almufti

Ibbi Almufti is an internationally recognized expert in seismic engineering, risk modeling, and resilience planning and leads Arup's Risk and Resilience practice in the Americas. He is a licensed Structural Engineer in California with significant building design experience. In his current role, Ibbi helps organizations understand their risks to natural hazards, including pioneering approaches to quantify downtime, economic losses, and life safety issues of their building portfolios, and designs effective resilience strategies to mitigate risks. He is a thought leader in resilience-based seismic design for new and existing buildings, having developed the REDi Rating System, a framework which provides owners, architects, and engineers an approach for implementing a holistic design, business continuity planning, and quantitative risk verification approach for achieving "beyond-code" resilience and functional recovery objectives. Ibbi is an active contributor and influencer in the earthquake engineering profession, participating in a number of industry groups to develop the next generation of modern building codes