

## Repair and Maintenance of Earthen Architecture Presenters



**Jake Barrow** joined Cornerstones as Program Director in 2009 after retiring from a thirty-year historic preservation career from the National Park Service. The majority of those years were spent in the southwest focusing on earthen, stone and timber architecture where he served as project manager and architectural conservator. He began his career as a carpentry contractor in 1970 and started working in historic preservation in 1978 in the National Capital Region of the NPS. He first volunteered for Cornerstones in 1987 shortly after moving to Santa Fe. He was named Executive Director in April of 2016. In December of 2020 he returned to his former position of Program Director. He earned a B.F.A from the University of North Carolina in Chapel Hill and his post graduate studies include architectural conservation certificates from the ARC course and Stone course at the International Center for the Study of Preservation and Restoration of Cultural Property (ICCRPM) in Rome and Venice, Italy. He is the 1996 recipient of the Appleman-Judd Award for Cultural Resource Stewardship in the NPS. He received the 2002 New Mexico Heritage Preservation Award and in 2015 he received the New Mexico Lifetime Achievement Heritage Preservation Award.



**Francisco Uviña Contreras** received his Masters of Architecture and Masters Certificate in Preservation and Regionalism in 2009 from the University of New Mexico where he graduated with distinction. Francisco worked for Cornerstones Community Partnerships, a non-for profit organization, from 1994 to 2008 to assist with field assessments, documentation of historic buildings, adaptive re-use design and new design work utilizing traditional building methods as the Architectural/Technical Manager. He was involved in many Indigenous community projects, among the most important have been the San Esteban del Rey Mission in Acoma Pueblo, the Nuestra Señora de Guadalupe Mission in Zuni Pueblo, and is currently assisting with some of the historic adobe housing at Santo Domingo Pueblo. Francisco is the co-author and illustrator of Cornerstones' Adobe Architecture, A Conservation Handbook. In the present, Francisco serves as the Director for the Historic Preservation and Regionalism Graduate Certificate Program at the School of Architecture and Planning at the University of New Mexico. He is also the coordinator for the Patrimonio Histórico+Cultural Iberoamericano (PHI) in the United States and a member of the Scientific Committee for the Traditional Architecture Journal. Francisco has been involved in many Indigenous community projects, among the most important have been the San Esteban del Rey Mission in Acoma Pueblo, and is currently assisting with some of the historic adobe housing at Santo Domingo Pueblo.



**Jeremy M. Moss** is the Chief of Science and Resource Stewardship and Archaeologist at Pecos National Historical Park in new Mexico, where he has served for 8 years. He holds a BA in Anthropology from the University of New Mexico and MA from the University of Wyoming. Jeremy has worked for the National Park Service for 24 years in archaeology, cultural and natural resource management, and historic preservation. Over the last 17 years he has worked in the preservation of historic adobe architecture and finds it challenging, yet rewarding. During his career he has also worked at Canyonlands NP, Chaco Culture NHP, Glen Canyon NRA, Petroglyphs NM, Saguaro NP and Tumacácori NHP.

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**Dr. James Mason** has with more than 30 years of engineering experience that encompasses bridges, buildings, historic structures, geotechnical, and foundation engineering. His Ph.D. was from Cornell University working with Professor Tom O'Rourke developing seismic retrofit technology for the City of Los Angeles / LADWP steel water distribution system. Dr. Mason designed new bridges and associated foundations with Caltrans as well as the retrofit of numerous bridges and viaducts in the southern and northern California areas. Dr. Mason has also worked on numerous historic structures in the US while working in the private sector, and was introduced in the early 1990's to the methodology of Dr. Fernando Lizzi (the inventor of reticulated micropiles) for strengthening of historic structures and foundations in Italy and Europe. Dr. Mason has now been employed with the National Park Service for over 6 years as the structural, geotechnical, and preservation engineer for the Vanishing Treasures Program. The breath of projects that he has been directly involved with has been from Ancient Puebloans sites and structures: Cliff Palace and Spruce Tree House in Mesa Verde National Park, and Chaco Canyon National Historic site, to the Japanese internment camp in Idaho: Minadoka National Historic Site, from the seismic analysis and retrofit design of the Martinez Adobe home in the John Muir National Historic Site to the church in Tumacacori National Historic Park. A substantial amount of his time and effort has been directly involved in the preservation of adobe structures, to include many in Fort Union National Monument. These efforts include the reconstruction and preservation of adobe walls and buildings at various sites, to include the straightening of a 14 feet (4.0m) tall, 2 feet (0.6m) thick, and 20 feet (6.3m) long collapsing wall section of the Hospital Building that was leaning over 5 deg. while being barely restrained by a thin wire rope. This is a very short list of the hundreds of sites and structures that he has been directly involved with for the preservation of these extremely unique NPS resources.



**R. Brooks Jeffery (Moderator)** is Associate Vice President for Research at the University of Arizona and Professor of Architecture in the College of Architecture, Planning, and Landscape Architecture (CAPLA). His teaching, research, and outreach efforts have advanced heritage conservation as part of a comprehensive ethic of environmental, cultural, and economic sustainability throughout the world, including the Middle East, Latin America, and the American Southwest. He has authored/co-authored over 50 peer-reviewed articles, books and technical reports and has received numerous local, regional and national awards including the National Park Service's "Director's Partnership Award" in recognition of "innovative leadership in the field of historic preservation"