



*Honored as "one of the Five Most-Influential People in the Concrete Industry" - Concrete Construction Magazine, 2013*

### **Education and Current Positions**

Dr. Tanya Wattenburg Komars holds a Ph.D. in Architecture from Texas A&M University; a Master of Science in Historic Preservation from Columbia University, New York; and a Bachelor of Science in Landscape Architecture from the University of California, Davis. Dr. Komars is an Associate Professor and former Program Coordinator for the Concrete Industry Management (CIM) program in the College of Engineering at California State University, Chico. She is the Founding Director/CEO of the Concrete Preservation Institute (CPI), non-profit educational foundation based at Alcatraz Island that partners with the US National Park Service and industry.

### **Presentations and Invited Consultancies**

Dr. Komars is a frequent invited presenter and consult for national and international audiences. Her technical presentations focus on concrete repair and sustainability. Her motivational presentations tell a powerful story about accountability and personal responsibility through the lens of her teaching and work at significant military historical sites. Presentations and invited consultancies have included the Getty Conservation Institute; the American Concrete Institute (ACI); ACI's Strategic Development Council; the International Concrete Repair Institute; the World of Concrete, Las Vegas and Mexico City; the International Committee for Documentation of Cultural Heritage (CIPA), Strasbourg, France; and appearing on multiple episodes of the History Channel's "Life After People" series, the Discovery Channel's "Big History" series, and the Military Channel's "Codes & Conspiracies" series, and serving as construction technical advisor for the production studios.

### **Research and Projects**

Dr. Komars's work focuses on substantial involvement of students that furthers their academic and career pursuits. Ongoing work includes the CPI Field School and related industry research; research with NASA to adapt their outer space travel Co2 conversion technology for Co2 reduction in the world-wide cement industry - includes durability prediction research of by-product carbon nano-fiber infused cement; field validation research with the California Department of Transportation (Caltrans) focusing on durable concrete roadways and bridge evaluation in cooperation with SIMCO and their concrete durability prediction technology developed with the US Department of Defense. Selected past projects include evaluation of the concrete bunkers at the WWII D-Day landing site at Pointe du Hoc, Normandy, France, with Texas A&M University; co-leading student volunteer teams to build houses for the Catalyst Domestic Violence Center in Chico that were awarded LEED Gold Certification with substantial points for innovative use of concrete; leading the project team for the rehabilitation of the Historic Havana Riverwalk Inn in San Antonio, Texas, as a Federal Tax Credit Rehabilitation project; developing a system for field digital documentation of Texas County Courthouses for the Texas Historical Commission under a research grant from the National Center for Preservation Technology and Training; and PhD research and dissertation, "Historic Building Documentation in the United States, 1933-2000. The Historic American Buildings Survey: A Case Study".

### **Professional Service and Affiliations**

Dr. Komars serves on the Board of Directors for the International Concrete Repair Institute (ICRI); as past Chairman of the ICRI Evaluation Committee; as co-author of ICRI's Concrete Surface Repair Technician Certification that will complement the American Concrete Institute's (ACI) Concrete Repair Code (soon to be released and integrated into the Building Code); a member of the Concrete Repair Research Council for the ACI Strategic Development Council, as a member of the Association for Preservation Technology International and their Committee on Modern Heritage.

### **Awards & Recognition**

Concrete Construction Magazine honored Dr. Komars as one of Five Most-Influential People in the Concrete Industry in 2013. In 2012, she was named Professor of the Year for California State University, Chico, by the Chico Economic Development Council for success in building the CIM program based on a public/private partnership model that pairs academia and industry for exceptional student opportunities, success, and career path development; industry advancement and research; and service to the community.