



# Respecting Place

December 12 – 15, 2017

Hyatt Regency Tamaya Resort, Santa Ana Pueblo, NM

*Respecting Place* is a project of the MICA Group,  
in association with the Cultural Resource Fund

This project is made possible by the generous support of  
the Getty Conservation Institute, Lannan Foundation, the National Park Service, and Google Earth



PROTECTING OUR PLACES

THE **MICA** GROUP



*Passing below the sacred peak...  
one must know the language of the land.  
One must know the balance of the desert.  
One must know how to pray  
so that all elements of nature will fall into rhythm.  
These are the kinds of prayers that will work.  
--Lost Prayers, by Ofelia Zepeda (Tohono O'odham)*

In Memory of Linda Logan, CRF Cultural Liaison, (1953-2017)

## Welcome Cultural Resource Leaders

The MICA Group and the Cultural Resource Fund are honored to have you with us for *Respecting Place*. We hope that this gathering will provide opportunities to work together, learn from each other, and share ideas. Most of all, we hope to provide opportunities for communities to establish support systems to protect the precious sacred and cultural places that will nourish and sustain them long into the future.

We are grateful to have the gorgeous Tamaya Resort as our event setting. The Tamaya Indian Reservation is located in North-Central New Mexico, along the Rio Grande. The reservation encompasses approximately 79,000 acres of land in the county of Sandoval. Tamaya is made up of three villages: Rebahene, Ranchitos and Chicale. The Tribal Council is comprised of all the pueblo's heads of households. The Governor and Lt. Governor are appointed every year. More than 800 tribal members call the Pueblo of Tamaya home. Many tribal members are bilingual and proudly speak the Keresan language, the original language of the Tamaya people.

It is especially fitting that Jim Enote graciously agreed to serve as the honorary chair of this Gathering. In 2003, Jim led the Indigenous Communities Mapping Initiative. The stories of these indigenous mappers is told in their own words in *Mapping Our Places, Voices from the Indigenous Communities Mapping Initiative*. We expect that our few short days together will lead, as they did with Jim's project, to many conversations that may begin with mapping, but will "almost always lead elsewhere – to issues like history and memory, language and survival."

Thank you for coming. Our prayers are with all of you who protect the land.

*Respectfully,*

**The CRF Advisory Board:**

Walter Echo-Hawk, Della Warrior, Sam Cata, Kak Slick, Marshall McKay, Rick West, Dick Trudell

**The MICA Group Staff:**

Peggy Mainor, Carty Monette, Mona Polacca, Erin Bishop

**Program Cover**

Cover art: Oil painting on canvas by Darren Vigil Gray (Jicarilla Apache/Kiowa Apache), from the private collection of Sharon and Marshall McKay. We are grateful for the rights to use this image as our event identity for *Respecting Place*.



## About the MICA Group

### Our Vision

The MICA Group envisions a world in which indigenous and minority cultures have a voice, equitable resources, and the capacity to flourish; where indigenous knowledge systems are recognized as inherently valuable world resources. We envision a just world that honors the dignity of each human being.

### Our Mission

With our vision at the forefront of our work, the MICA Group's mission is two-fold:

*To assist governments, communities, and their partners in building social and economic capital and systems of change through innovative, sustainable, and culturally appropriate strategies.*

*To raise awareness about the importance of honoring cultural diversity and indigenous ways of knowing in order to create a just, humane, and sustainable world together.*

For more information, please visit [www.micagroup.org](http://www.micagroup.org).



THE MICA GROUP

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## About the Cultural Resource Fund

The Cultural Resource Fund (CRF) supports Tribal and State cultural and historic preservation projects for eligible grantees. The CRF was created by the Federal Communications Commission and seven railroads involved in the construction of Positive Train Control (PTC) poles. The MICA Group was selected to administer the CRF. An Advisory Board guides and directs CRF decision making. The Advisory Board members are: Sam Cata (Ohkay Owingeh Pueblo), Walter Echo-Hawk (Pawnee), Marshall McKay (Yocha Dehe Wintun), Kak Slick (SHPO representative), Dick Trudell (Santee Sioux), Della Warrior (Otoe-Missouria), W. Richard West, Jr. (Southern Cheyenne).

CRF funding is being distributed in three phases. Based on priorities determined by a Phase 1 survey, Phase 3 grants will include a major cultural initiative in site preservation. The *Respecting Place* gathering has been developed in association with the CRF.

For more information, please visit [www.culturalresourcefund.org](http://www.culturalresourcefund.org).



CULTURAL RESOURCE FUND

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THE MICA GROUP

# Respecting Place Site Gathering Agenda

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## Monday, December 11

2:30 pm – 6 pm Check in

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## Tuesday, December 12

7:30 am – 8:30 am Check in & Breakfast

8:30 am – 8:45 am Welcome, Cultural Resource Fund Advisory Board: Sam Cata, Walter Echo-Hawk, Della Warrior, Kak Slick

8:45 am – 9:00 am Welcome, Governor Lawrence A. Montoya, Pueblo of Santa Ana

9:00 am – 9:10 am Prayer Song, Walter Echo-Hawk

9:10 am – 10:00 am “Listening to the Language of the Land” Ofelia Zepeda

10:00 am – 10:15 am Jim Enote, Opening Remarks

10:15 am – 12:15 pm “Saving Kootenai Falls” Kootenai Elders and NARF attorneys Steve Moore & Walter Echo-Hawk

12:15 pm – 1:30 pm **Lunch on your own**

1:30 pm – 2:30 pm “Protecting the Most Sacred with GIS Tools” Paul Maccarro & Kevin Capone, Pechanga Band of Luiseño

2:30 pm – 3:30 pm “Getting Back to Storytelling to Strengthen Tribal Culture” Anne Taylor, Esri

3:30 pm – 3:45 pm Afternoon Break (snacks provided)

3:45 pm – 4:45 pm “Tribal Nations’ Community of Practice” Heston Smith, Branch of Geospatial Support, BIA

4:45 pm – 5:00 pm “Addressing the Impacts of Climate Change” Atherton Phleger, New Mexico Tribal Liaison, South Central Climate Science Center

5:00 pm – 8:00 pm Individual Consults: Esri, Google Earth (sign up) / Networking / **Dinner on your own**

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## Wednesday, December 13

7:30 am – 8:30 am Breakfast

8:15 am – 9:00 am Film: “A Walk Through Time” with Dino Beltran, Koi Nation Tribal Administrator

9:00 am – 12:00 pm Getty Conservation Institute Arches Presentation, “A New Approach”

12:00 pm – 1:15 pm **Lunch on your own**

1:15 pm – 3:15 pm Tribal Panel “What’s Working in Site Protection”  
Panelists:  
Bobby Bolger, THPO, La Posta Band  
“The Role of a Tribal Archaeologist in Tribal Sovereignty”  
Kerry Lyste, THPO, Stillaguamish  
“Working Cooperatively with Outside Groups”  
John Murray, THPO, Blackfeet  
“Working Cooperatively with Academic Institutions”  
Melody Henry, Chippewa-Cree:  
“Our Experience with Ground Penetrating Radar”

3:00 pm – 3:15 pm Afternoon Break (snacks provided)

3:15 pm – 4:00 pm “Virtual Landscape Reconstructions” Jeff Van de Vaarst, Hexagon US Federal

4:00 pm – 5:00 pm “Free Tools” w / Kurt Menke, Bird’s Eye View GIS

5:00 pm – 8:00 pm Individual Consults: Getty, Menke, Van de Vaarst (sign up) / Networking / **Dinner on your own**



# Respecting Place Site Gathering Agenda

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## Thursday, December 14

7:30 am – 8:30 am	Breakfast
8:30 am – 9:30 am	Google Earth Presentation, Steve DeRoy
9:30 am – 12:00 pm	Google Earth Hands-on Demo / Q&A (2 breakout rooms – maximum of 30 each)
12:00 pm – 1:30 pm	<b>Lunch on your own</b>
1:30 pm – 3:00 pm	“Practical Uses for Drones on Tribal Lands: What’s Worthwhile, What’s Not, and What’s Legal” Mark Willis, DIY Drones
3:00 pm – 3:15 pm	Afternoon Break (snacks provided)
3:15 pm – 4:15 pm	“Seeing Below the Surface: GPR and Other Geophysical Mapping Techniques” Stephen Yerka, Eastern Band of Cherokee Indians
4:15 pm – 4:45 pm	“Digital Approaches for a More Inclusive Past for Future Generations,” Eric C. Kansa, DINAA
5:00 pm – 7:30 pm	REPEAT Google Earth Hands-on Demonstration (2 breakout rooms – maximum of 30 each)
5:00 pm – 8:00 pm	Individual Consults, Willis, Yerka & Kansa (sign up) / Networking / <b>Dinner on your own</b>

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## Friday, December 15

7:30 am – 8:30 am	Breakfast
8:30 am – 9:15 am	“The UN Declaration of Rights of Indigenous Peoples – Sacred Sites” Terry Sloan, Director, Southwest Native Cultures,
9:15 am – 10:15 am	“GIS in Indian Country: The Good and the Bad” Garet Couch, Tribal GIS / Tribal Discussion / Open Mike
10:15 am – 10:45 am	“Arizona’s On-line Consultation Tool Kit” Angela Garcia-Lewis, Salt River Pima-Maricopa Community
10:45 am – 11:15 am	CRF Phase 3 Site Protection Grant Meeting & Distribute RFPs
11:15 am	Closing

Without our generous sponsors, the Getty Conservation Institute, Lannan Foundation, the National Park Service, and Google Earth, this gathering would not have been possible.

We thank them.





**Jim Enote, Zuni**

Colorado Plateau Foundation, Director  
A:shiwi A:wam Museum and Heritage Center, Director

Jim is a Zuni tribal member and CEO of the Colorado Plateau Foundation and director of the A:shiwi A:wam Museum and Heritage Center. He serves on the boards of the Trust for Mutual Understanding, Grand Canyon Trust, and formerly with the Jessie Smith Noyes Foundation. He is a senior advisor for Mountain Cultures at the Mountain Institute, a National Geographic Society Explorer, a New Mexico Community Luminaria, and an E.F. Schumacher Society Fellow. Jim's service the past forty years includes natural resource, cultural resource, philanthropic, and arts assignments for many organizations including UNESCO, UNDP, International Secretariat for Water, Nordic Council of Ministers, the Mountain Institute, US Bureau of Indian Affairs, Zuni Tribe, and several major charitable foundations, museums, and universities. He has written in *Heritage In the Context of Globalization; Science, Technology, and Human Values; Sacredness as a Means to Conservation; Mapping Our Places; Indigenous People and Sustainable Development; A:shiwi A:wam Ulohnanne, and Redrock Stories*, to name a few. Recent short pieces include; *We Cannot Live by Sentiments Alone, The Museum Collaboration Manifesto, Buyer Beware, What I Tell Boys, and Please Don't Call Me a Warrior*. In 2010, during the American Anthropological Association's annual conference, Jim was awarded the first Ames Prize for Innovative Museum Anthropology. In 2013 he received the Guardian of Culture and Lifeways Award from the Association of Tribal Archives, Libraries, and Museums, and in 2016 received the Hewett Award for leadership and service to the New Mexico museum community and for achievements in the museum field. Jim is also a home builder, firewood hauler, traditional bow hunter, artist, and farmer. He lives in his work-in-progress home at Zuni, New Mexico.

**Cynthia Annett**

Research Associate Professor  
Kansas State University  
Google Earth Outreach Trainer

Cynthia Annett is an environmental scientist with a Doctorate from U.C. Berkeley and research faculty positions at Kansas State University and the University of Alaska at Anchorage. She is a member of the Google Earth Outreach Trainers' Network and provides training in Google geotools to Indigenous communities, nonprofits, government agencies and educational groups working to increase community participation, cultural sensitivity, and local environmental decision-making. She regularly collaborates with the EPA's Tribal Technical Assistance to Brownfields, the University of Arizona's American Indian Language Development Institute (AILDI), American Indian Tribes and Canadian First Nations. Her recent workshops include participation as a trainer for the IMW Canada 2017 and the Geo for Good Summit, support for the development of the Arizona Government-to-Government Consultation Toolkit, and with the Blackfeet on their project "Google Earthlodge: Historic Landscape Discovery and Preservation Using Google Earth." Dr. Annett assisted a group of archeologists, historians, and the Kaw Nation Cultural Committee in the development of a map of the Kansas River using the Kanza language. She lives on a farm in Kansas.

**Garet Couch, GISP, Shawnee**

President  
National Tribal Geographic Information Support Center

Garet Couch is the co-founder and President of the National Tribal Geographic Information Support Center (NTGIS) a 501c3 organization. The NTGIS and its website, TribalGIS.com, serve as a communication resource for geospatial information for Indian Country. The NTGIS organization provides a platform for tribal personnel, tribal members, faculty and students of tribal colleges/universities and supporting organizations to share professional information, progressive knowledge, and continuous education within a community of active GIS users serving tribal communities. NTGIS helps organizations share their successes in GIS and promote knowledge-sharing to help other communities and programs. Garet serves as a member of the National Geospatial Advisory Committee (NGAC), a Federal Advisory Committee, and currently serves as the chair of the Cultural and Historical Geospatial Resources Subcommittee. Additionally, he serves as Business Manager/Owner of Wind Environmental Services, a professional GIS firm providing GIS-related management, development and performance of industry hardware, software, training/support, and consultation.



**Steven DeRoy, Anishinabe/Saulteaux**

Director  
The Firelight Group

Steve is Anishinabe/Saulteaux and a member of the Ebb and Flow First Nation from Manitoba. He is a director and past president of the Firelight Group. Since 1998, Steve has worked as a researcher and professional cartographer/geographic information systems (GIS) specialist, primarily with Aboriginal groups in North America. Steve provides project management, senior advisory and technical support for traditional knowledge and use studies; social, economic and health studies; land use planning; treaty land entitlement; and natural resource management. The other aspect of his work is to promote the transfer of knowledge by facilitating hands-on technical training and mentorship with First Nation practitioners. He has facilitated workshops in communities and presented at numerous conferences. Steve is a board member of the West Coast Environmental Law Association, a moderator of the Open Forum on Participatory Geographic Information Systems and Technologies, a moderator of the Unmanned Aerial Vehicles for Agriculture (UAV4AG), a co-moderator of the Aboriginal Mapping Network, and a trainer of the Google Earth Outreach Trainers Network.

**Annabel Lee Enriquez**

Digital Project Specialist  
Getty Conservation Institute

Annabel Lee Enriquez is a Digital Project Specialist at the Getty Conservation Institute (GCI), where she specializes in projects involving cultural heritage data management, and is part of the GCI teams for the Arches, DISCO (Data Integration for Conservation Science), and AATA Online Update projects. Most recently, she was responsible for the initial data management and migration effort behind the City of Los Angeles' implementation of Arches, HistoricPlacesLA, the Los Angeles Historic Resources Inventory. Annabel received a B.S. in Urban and Regional Studies from Cornell University, and an M.S. in Geographic Information Science and Technology from the University of Southern California with a focus in heritage conservation.

**Eric C. Kansa**

Program Director  
Open Contexts

Eric C. Kansa guides research and development for Open Context and manages the technical aspects of data publishing and archiving, including systems interoperability, data integration, and indexing. Eric is a collaborator on the Digital Index of North American Archaeology (DINAA), a project working to promote understanding and more inclusive participation in the stewardship of historical and archaeological landscapes. His research explores data informatics, data policy, ethics, and professional context of the digital humanities. He has a Ph.D. in Anthropology, and archaeological field experience in the Near East, Egypt, Italy and North America. In 2013, President Obama recognized Eric as a White House "Champion of Change" for his advocacy and policy work in promoting more collaborative and inclusive practices in science.

**Kurt Menke, MA, GISP**

Owner, Bird's Eye View GIS  
<http://www.BirdsEyeViewGIS.com>

A former archaeologist, Kurt Menke is a Certified GIS Professional (GISP) based out of Albuquerque, New Mexico. He received a Master's degree in Geography from the University of New Mexico in 2000. That same year he founded Bird's Eye View to apply his expertise with GIS technology towards ecological conservation. Along with conservation, his other focus areas are public health and education. He has developed a program for the National Library of Medicine entitled Community Health Maps, which is focused on empowering underserved populations with mapping technology. Kurt is an avid open source GIS proponent, recently authoring Discover QGIS via Locate Press and the 2nd edition of Mastering QGIS for Packt Publishing. In 2015, he became an OsGeo Charter Member. He is an experienced FOSS4G educator and is a co-author of the GeoAcademy. In 2015, Kurt was awarded the Global Educator of the Year Team Award by GeoForAll as part of the GeoAcademy team.



**Steven C. Moore**

Staff Attorney  
NARF

Steve Moore, a 1979 graduate of Colorado Law, began his legal career as a Vista Volunteer helping to establish the Indian Law Unit of Idaho Legal Services. In this capacity, he represented tribes and individual Indians in northern Idaho. Steve joined the Native American Rights Fund in 1983 as a staff attorney, and has represented Indian tribes in asserting federal Indian reserved water rights; the protection of Native American sacred lands; the repatriation of human remains; the religious use of peyote by members of the Native American Church and protection of access to peyote on private lands in Texas; the rights of Native prisoners to wear traditional long hair, possess religious articles, and have access to Native spiritual leaders; the right of Native students to wear eagle feathers at public high school graduations and to wear long hair in public schools; the enforcement of the federal trust responsibility in the areas of oil and gas production on Indian lands, and Indian health care. Steve directed the Indian Law Support Center at NARF from 1983 through 1995, providing litigation and training support for the nation's 25 Indian Legal Services programs. He was also involved in establishing the Indigenous Peacemaking Initiative at NARF a decade ago.

**Heston Smith, Paiute**

Program Analyst  
GIS Specialist at Bureau of Indian Affairs -  
Branch of Geospatial Support

Heston is from the Kanosh band of the Paiute Indian Tribe of Utah (PITU). He graduated from Millard High School in Fillmore, Utah. Heston began his graduate studies at Weber State University, and transitioned into the GIS Program at Southern Utah University (SUU), where he excelled in the program. He was then recommended by his GIS Professor for the Intergovernmental Internship Cooperative (IIC) Youth Internship Program (YIP) GIS Internship at Zion National Park. He completed his internship during the summer and fall of 2010. Part of Heston's internship was to map Zion Peregrine Falcon eyrie sites. This project was so successful it was also adapted for Glen Canyon National Recreation Area (NRA). Heston graduated from SUU, and inspired by his positive experiences with the IIC, went on to complete a Master's of GIS at the University of Arizona, Tucson.

**Anne Taylor**

National Government Civilian Team  
Esri Account Manager, USDA, USDOJ and  
Native American Tribes

As an account manager for Esri's National Government Civilian team, Anne Taylor services accounts in the US Department of Agriculture and the US Department of Interior, and leads Esri's Tribal Program. She works closely with the GIS personnel in her accounts to help ensure that Esri software and GIS are being implemented in the most efficient and effective manner possible. Before coming to Esri, Anne was a software engineer, developing GIS applications as a primary focus. She has worked for Genasys, USDA NRCS, Hewlett Packard and several small start-up companies. Anne has a BS in Math and Computer Science from the University of Richmond and a MS in Anatomy and Neuroscience from Colorado State University.

**Jeff Van de Vaarst**

Executive System Consultant  
Hexagon US Federal

Jeff Van de Vaarst went to Iowa State University and graduated with a degree in Forestry. Upon graduation, he enlisted in the US Army and spent the next 21 years as a geospatial analyst. In addition to tours both stateside and overseas deployments, he was selected as the chief instructor of the Defense Mapping School, a precursor to NGA College. Jeff joined Hexagon in 2004 and serves as the primary technical customer point of contact for the US Federal and Department of Defense communities..

**Mark D. Willis**

Lead Technologist  
Sacred Sites Research, Inc.

Mark Willis is an archaeologist specializing in 3D visualization and photogrammetry and is also an expert in Unmanned Aerial Vehicle (UAV or drone) mapping. He is recognized as an emerging technology innovator who has developed many archaeological applications. Trained in traditional photogrammetry, he was the first to use the new technology of Structure from Motion (SfM) to create 3D models, something it was not initially designed to do. Mark has over 20 years of experience in 3D modeling and has applied his talents at archaeological sites in a score of countries and on four continents. Mark's innovations have been recognized by President Obama's Office Science and Technology Policy Institute.





**Dennis Wuthrich**

CEO

Farallon Geographics

www.fargeo.com

Dennis Wuthrich is CEO of Farallon Geographics, a geospatial web and mobile application development company in San Francisco. Dennis has been building decision support systems with geo-technology since 1992 and remains active in designing the technical components of Farallon's applications. He has played an instrumental role in developing Arches, a data management, discovery, visualization, and analysis platform for creating comprehensive cultural heritage inventories.

**Stephen J. Yerka**

Historic Preservation Specialist,

Eastern Band of Cherokee Indians (EBCI)

Stephen Yerka is a non-invasive archaeologist who specializes in near-surface geophysics, geospatial survey and analysis, and information systems. He is currently a PhD candidate at the University of Tennessee, focusing on the preservation and analysis of Cave Art and Rock Art using 3D and non-invasive methods. Prior to his service with the EBCI THPO, Stephen was the geophysics and GIS lab manager at the Archaeological Research Lab, Tennessee designing and implementing research for CRM geospatial services. He has performed geophysical surveys that include GPR, magnetometer, soil resistivity, and mapping services all over the southeastern United States as well as in Greece, Australia, and the Andean Highlands of Peru. Field experience includes some of the oldest known sites in North America, Earthen and Stone Mound monumental sites, cemeteries, Spanish Period churches, repatriation sites, and forensic cases. He is a co-founder of the Digital Index of North American Archaeology (DINAA), Co-Director of the Paleoindian Database of the Americas (PIDBA) and is a member of the Register of Professional Archaeologists (RPA). Stephen has also served as a Tennessee State Park Ranger at Old Stone Fort State Archaeological Park, and as an independent contractor for geophysical and mapping services.

**Ofelia Zepeda, Tohono O'odham**

Poet

Regents' Professor of Linguistics and Director

American Indian Language Development Institute at the University of Arizona

Dr. Ofelia Zepeda is Regents' Professor of Linguistics at the University of Arizona and a recipient of the MacArthur Fellowship for her work in American Indian language education, maintenance and recovery. Ophelia is a member of the Tohono O'odham Nation of southern Arizona, born and raised in Stanfield, Arizona. She has three books of poetry, *Ocean Power: Poems from the Desert*, *Jewed I-hoi/Earth Movements*, and *Where Clouds are Formed*, and is the co-editor of *Home Places*, a celebration of twenty years of publication of the Sun Tracks series. Her poems and essays have appeared in numerous anthologies and journals including, *The Sonoran Desert: A Literary Field Guide*, edited by Eric Magrane and Christopher Cokinos, *Reinventing the Enemy's Language*, edited by Joy Harjo and Gloria Bird, *Fever Dreams*, edited by Leilani Wright and James Cervantes, *Poetry of the American West: A Columbia Anthology*, Alison Deming, editor and *A Narrative Compass: Stories that Guide Women's Lives*, edited by Roberta S. Trite and Betsy Hearne. Her work in linguistics includes the first pedagogical grammar of the Tohono O'odham language, *A Tohono O'odham Grammar*, as well as other topics on O'odham language and language endangerment. In 2009 she collaborated on a public arts project that included engraving some of her poems on boulders north of The University of Arizona campus. Other public art includes work in Passages at South Mountain Community College Library in South Phoenix. Ofelia is the series editor of Sun Tracks, a book series publishing Native American writers at the University of Arizona Press.

