

WaterWays 2010 & Fluid Frontier
INTERNATIONAL CONFERENCE & SYMPOSIUM
A Confluence of Water, Art, and Our Environment

MARCH 3,4,5 2010



WELCOME

WaterWays 2010 & Fluid Frontier INTERNATIONAL CONFERENCE & SYMPOSIUM

A Confluence of Water, Art and Our Environment

MARCH 3 – 5, 2010

The UNT Philosophy of Water Project is engaged in water education, research, and outreach. The project has been funded since 2003 by the Dixon Water Foundation and collaborates with departments throughout UNT as well as national and international universities and institutes.

Fluid Frontier is made possible by grants from the UNT Fine Arts Series, the Texas Commission on the Arts, the College of Visual Arts and Design, and by the collaboration of the UNT Philosophy of Water Project and the Elm Fork Education Center.

WaterWays 2010 and Fluid Frontier are further supported by grants from Wells Fargo. Cover photograph by Luther Smith.



THE PHILOSOPHY OF WATER PROJECT

The **PHILOSOPHY OF WATER PROJECT** invites the general public, students, educators, artists, philosophers, scientists, and policy-makers to its **THIRD BIENNIAL WATERWAYS** conference, “Rivers and Cultures.” On **MARCH 3RD AND 4TH**, WaterWays provides an active environment for all participants to learn and discuss crucial issues about water. Events on Wednesday spotlight Texas’ Trinity River with a workshop about the Trinity basin as an Urban Long Term Research Area, a collaborative project with other Metroplex institutions. Thursday’s events broaden the scope to discuss river and watershed concerns. Related events include boat-building workshops with Brian O’Connor, Professor of Information Sciences in February and April, and several art exhibitions focusing on the themes of rivers and water. These exhibitions include *Luther Smith: A Trinity Basin Photography Exhibition*, *Water in Our World: Student Art Show*, and two exhibits at UNT on the Square, *Water.Art: Selected Faculty Works* and *Rivers on the Edge: A Juried Student Art Exhibition*, juried by Annette Lawrence, Professor of Drawing and Painting at UNT.

WaterWays is a biennial water conference at UNT organized by the Philosophy of Water Project in collaboration with other departments and institutions. The conference brings together philosophers, scientists, policy-makers, artists, educators, students and the general public to learn about and discuss crucial water issues. WaterWays provides a vibrant platform for interested people from different fields and occupations to engage in dialogues about crucial water issues. With our lectures, performances and collaborative activities, we aim to inspire our local community and our students to reflect upon and discuss their personal and political relations to water. The WaterWays 2010 focus is on the Trinity River, a river in transition.

WWW.WATER.UNT.EDU



THE COLLEGE OF VISUAL ARTS AND DESIGN

The UNT Art Gallery and the Department of Studio Art in the **COLLEGE OF VISUAL ARTS AND DESIGN** present **FLUID FRONTIER**, a symposium and exhibition in partnership with WaterWays 2010. Continuing on **MARCH 4TH AND 5TH**, Fluid Frontier provides programs inspired by water and the environment as aesthetic and personal experiences. Thursday night's keynote lecture introduces a focus on art with a presentation by American conceptual and installation artist Dario Robleto. Friday's presentations explore environmental aesthetics, digital communication and artists' projects. Fluid Frontier features an exhibition of new and recent eco-performances by resident artists EcoArtTech and their UNT student collaborators, in response to the University's location in the Trinity River Basin, and featuring a new interactive web-based work titled *Center for Wildness in the Everyday*.

Fluid Frontier is a program of the UNT Fine Arts Series. In its 106th season, The **UNT FINE ARTS SERIES** strives to provide a variety of visual, performing, and literary arts programming to encourage the students and the community to evaluate and discern their own tastes. It is the goal of the series to provide programming that will benefit the UNT and Denton communities through a variety of experiences. Arts are an extremely important aspect of world cultures, and the Fine Arts Series wants our university family and community to experience, understand, and evaluate the programs that we present in the context of their own lives and the global society in which we all live. To allow for greater student exposure to the Arts, the Fine Arts Series offers all of our regularly scheduled programming free to UNT students with a valid ID.

WWW.GALLERY.UNT.EDU

COLLEGE OF
VISUAL ARTS
+ DESIGN



LOCATIONS AND HOURS

EESAT Building

(The Environmental Education Science and Technology Building at UNT)

Location of:

WaterWays 2010 Conference Events and Lectures,
Eagle Exhibit Hall, *Luther Smith: A Trinity Basin Photography Exhibition*,
and Keynote Lecture by Steward Pickett

UNT Address: 1704 West Mulberry Street, Denton, Texas 76203

Philosophy Department Phone: 940.565.2266

Eagle Exhibit Hall

EESAT Building

Hours: Monday - Friday, 1 pm - 5 pm

March 3, 4, 5: 12 noon - 7 pm

ART Building

Location of:

Fluid Frontier Symposium Events and Lectures,
UNT Art Gallery, *Fluid Frontier: Ecoarttech* Exhibition,
North Gallery, *Water in Our World Student Art Exhibit*,
and Keynote Lecture by Dario Robleto

UNT Address: 1704 West Mulberry Street, Denton, TX 76203

Gallery Office Phone: 940.565.4005

UNT Art Gallery and North Gallery

ART Building

Hours: Tuesday & Wednesday, 9:30 am - 8 pm

Thursday - Saturday, 12 noon - 5 pm

UNT on the Square

UNT Institute for the Advancement of the Arts

Location of:

WaterArt: Selected Faculty Works

and *Rivers on the Edge: A Juried Student Exhibition*

109 N. Elm St. Denton, Texas 76201-4105

Phone: 940.369.8257

Hours: Monday through Friday 1 pm - 5 pm or by appointment



WATERWAYS 2010 / FLUID FRONTIER

EXHIBITIONS AND RECEPTIONS

FLUID FRONTIER: *Eco.ArtTech*

Digital eco-artists Cary Peppermint and Christine Nadir exhibit *Fluid Frontier* March 2 - March 27 at the UNT Art Gallery in the ART Building at UNT. The opening reception is **Friday, March 5 from 4:30 - 6 pm.**

EcoArtTech is a collaborative platform for digital environmental art, created in 2005 by Cary Peppermint and Dr. Christine Nadir. The artists worked closely with UNT student partners and Irene Klaver, UNT philosophy professor and host of WaterWays, during their research residency at UNT. Klaver shared her research and introduced the artists to what she calls "Little Lake," a water retention pond in Denton's North Lakes Park. This place captured the artists' imagination.

LUTHER SMITH: *A Trinity Basin Photography Exhibition*

Photographer Luther Smith will be exhibiting February 22 - March 22, 2010 in the Eagle Exhibit Hall, EESAT Building at UNT. The opening reception is **Wednesday, March 3, 5:00 - 6:00 pm.**

Luther Smith is a photographer working out of Fort Worth, Texas, at Texas Christian University. He was born in Mississippi and lived there for ten years. In 1960 at the age of ten his family moved to Aurora, Illinois where he grew up. He attended college at the University of Illinois at Urbana/Champaign and graduate school at Rhode Island School of Design in Providence.

RIVERS ON THE EDGE: *A Juried Student Art Exhibition* and **WATERART:** *Selected Faculty Works*

Two Exhibitions displaying water issues in contemporary culture and art will be co-exhibiting at UNT on the Square, 109 N. Elm St., Denton, Texas, 76201. Their shared reception will be on **Thursday, March 4th, 5:00 - 6:30 pm.** The student exhibition will be juried by Annette Lawrence, award-winning and internationally-exhibited artist, Professor of Art, Drawing and Painting at UNT.

WATER IN OUR WORLD: *Student Art Show*

An exhibition of student work on the theme of water will show March 1 - 5 in the North Gallery in the ART Building at UNT.

WATERWAYS 2010 SCHEDULE

WEDNESDAY 3/3

8:30 AM - Coffee and Breakfast, EESAT Atrium

9:00 AM - EESAT Building

DR. BRUCE HUNTER

The Upper Trinity River - Flushed with Pride

9:25 AM - EESAT Building

DR. REID FERRING

Autobiography of a River: The Geology and Past

Environments of the Upper Trinity River Basin

9:50 AM - EESAT Building

DR. PAUL HUDAK

Environmental Geology in the Upper Trinity River Basin, Texas

10:10 AM - EESAT Building

JOHN PROMISE

Trinity River COMMON VISION

10:30 AM - EESAT Building

DR. GAIL THOMAS, CHRIS CULAK, &

J.D. GRANGER

Panel: The Trinity River and Urban Renewal

11:35 AM - EESAT Building

DR. BARNEY VENABLES & DR. DUANE HUGGETT

Emergent Contaminants in the Trinity River

12:00 PM - EESAT Building

ULTRA WORKSHOP / LUNCH BREAK

facilitated by Dr. Laura Gough, Dr. Bonnie Jacobs, Dr. Irene Klaver & Dr. Steward Pickett

DR. KENNETH DICKSON & DR. RUDI THOMPSON

Knowledge and Education in the Trinity Basin

WATERWAYS 2010 SCHEDULE

WEDNESDAY 3/3 CONTINUED

2:00 PM - EESAT Building

ROB TRANCHIN

Transforming the Natural World into Broadcast Media: A Case History

2:30 PM - EESAT Building

DR. MICHAEL NIESWIADOMY

Effect of Growing North Texas Impervious Surfaces on the Upper Trinity Watershed

2:50 PM - EESAT Building

SCOTT JONES

*Environmental Flows for the Trinity River and
Galveston Bay: Ecosystem and Policy Connections*

3:10 PM - EESAT Building

DR. KEN STEIGMAN

*Lewisville Lake Environmental Learning Area (LLELA):
Managing an Eco-System Under Irregular Flow Patterns*

3:30 PM - EESAT Building

DR. JAMES BROWN

Climate Change and Water

4:00 PM - EESAT Building

**DR. RICARDO ROZZI, DR. STEWARD PICKETT,
& DR. JUAN ARMESTO**

Panel: Eco-Science and Bio-Culturalism

5:00 TO 6:00 PM - Eagle Exhibit Hall, EESAT Building

GALLERY RECEPTION: LUTHER SMITH

A Trinity Basin Photography Exhibition

WATERWAYS 2010 KEYNOTE PRESENTATION

THE BALTIMORE LONG TERM ECOLOGICAL RESEARCH PROJECT: THEORETICAL AND PRACTICAL INSIGHTS BY DR. STEWARD PICKETT

Wednesday 3/3 6:00 pm

EESAT Building 130

Baltimore, MD and Phoenix, AZ form the first two urban sites of the Long Term Ecological Research network. Steward Pickett, the Director of The Baltimore Ecosystem Study (BES) will talk about the development of this urban study and show how it has led to a conceptual and physical framework for integrating hydrological, ecological and socio-cultural processes. Dr. Pickett will foreground the novel notions of adaptive capacity and patch dynamics of urban watersheds that expand the intellectual framework for understanding the interaction between human communities, terrestrial landscapes, and the hydrologic system.

WATERWAYS 2010 BIOGRAPHIES - MARCH 3

DR. JUAN ARMESTO received his Ph.D. from Rutgers State University and is Vice-Director of the Institute of Ecology and Biodiversity in Chile, as well as Full Professor at P. Universidad Catolica de Chile, Adjunct Scientist at the Cary Institute of Ecosystem Studies, and Chilean co-coordinator of the UNT Sub-Antarctic Biocultural Research and Conservation Program. Dr. Armesto is a co-recipient of the Mercer Award from the Ecological Society of America, and he holds a Presidential Chair in Science from the Government of Chile. His research is primarily concerned with forest ecology, including analyses of nutrient cycling in watersheds in South American temperate forests, and the understanding of human influences on ecosystem functioning and biological diversity.

DR. JAMES BROWN has served as associate director of strategic planning in the Water Quality Protection Division, EPA Region 6 since 2004. His current work focuses on climate change and the measurement and assessment of environmental performance in the Clean Water Act and Safe Drinking Water Act programs. Prior to holding this position, Jim served for seven years as chief of the Region 6 Drinking Water Section, overseeing the safety of the public water supply in Texas, Oklahoma, Arkansas, Louisiana and New Mexico. Jim earned a B.S. in Geology from Indiana University, and an M.S. in Environmental Engineering and Sciences from Virginia Tech.

CHRIS CULAK is the Center Director for the Trinity Center Audubon Center which opened to the public on October 18, 2008. He also directs Audubon's efforts at the Dogwood Canyon Audubon Center in Cedar Hill which is under construction and will open in late 2010. Chris holds a Bachelor of Science degree in Health Care Administration with a minor in Psychology from Texas State University in San Marcos. Chris along with his wife Nichole and their 3 ½ year old daughter Zoë live in the Oak Cliff section of Dallas and enjoy spending time being involved in Zoe's school and at their family ranch near Austin. Chris is passionate about historic preservation, is past Board President of Preservation Dallas and on the Board of Preservation Texas.

WATERWAYS 2010 BIOGRAPHIES - MARCH 3

DR. KENNETH DICKSON is a Regents Professor, UNT Department of Biological Sciences. Ph.D 1971 Virginia Tech. Director of Institute of Applied Science 1979 - 2005, President of Society of Environmental Toxicology and Chemistry 1986, President of Texas Academy of Sciences 1994. Member of EPA Science Advisory Board 1988-1995 and 2001-2003. Member of U.S Army Corp of Engineers Environmental Advisory Board 1999-2001. Research interest include: Fate and Effects of Chemicals in the Aquatic Environment, Aquatic Ecology, Ecological Risk Assessment, Sustainability and Environmental Education. Served as Director of the Elm Fork Education Center at UNT 1999-2005. He likes to raise grass fed beef, organic garden, trout fish and backpack.

DR. REID FERRING is a Professor in the Department of Geography, and Director of the Center for Environmental Archaeology at UNT. He received a PhD in archaeology from Southern Methodist University (1980) and a PhD in Geosciences from the University of Texas at Dallas (1993). His research interests include Near Eastern and Eurasian Paleolithic archaeology and Late Quaternary geology, environments and archaeology of the U.S. Southern Plains. He has conducted extensive research on the geology of the Upper Trinity River Basin in Texas.

J.D. GRANGER a long-time supporter and volunteer of the Trinity River Vision Master Plan was hired in 2006 to manage the TRV Project. JD worked previously as an Assistant District Attorney for Tarrant County. He has served on the Trinity River Vision steering committee since 2000, chaired the Trinity Uptown segment of the Trinity River Vision Master Plan and is the chair of the Trinity Uptown Design Standards Citizen's Advisory Board. In addition, he has served on the executive committee of Streams and Valleys, Inc. since 1999, Downtown Design Review Board and the Cabela's and Downtown TIF boards. He also has worked on the City of Fort Worth's Downtown Strategic Action Plan on Housing, Access and Circulation Committee and Open Spaces/ Public Art Committee.

WATERWAYS 2010 BIOGRAPHIES - MARCH 3

DR. PAUL HUDAK is a professor and chair in the Department of Geography at the University of North Texas. He received a B.S. in geology from Allegheny College, M.S. in geology (emphasis in hydrogeology) from Wright State University, and Ph.D. in geography (emphasis in water resources) from the University of California, Santa Barbara. His current research interests include environmental geology, natural hazards, and environmental monitoring and remediation.

DR. DUANE HUGGETT is an Assistant Professor of Biology at the University of North Texas. Previously, he worked as a Principal Scientist for Pfizer Global Research and Development. His research interests include environmental toxicology, bioconcentration and bioaccumulation of chemicals and pharmacology. Recent research has focused on the fate and effects of human pharmaceuticals in the environment. He received his B.S. in Biological Sciences from Virginia Polytechnic and State University, and his Ph.D. in Pharmacology and Toxicology from the University of Mississippi.

DR. BRUCE HUNTER is the Director of the Center for Spatial Analysis and Mapping at the University of North Texas. His primary job is conducting research on land use and watershed analyses using computerized mapping and satellite remote sensing. He has been supporting interdisciplinary research with spatial analysis technology for the past twenty years, collaborating with faculty in such areas as stream ecology, environmental engineering, and ground water hydrology, among others. Bruce is also a volunteer wildland firefighter.

SCOTT JONES is Galveston Bay Foundation's Environmental Policy and Outreach Specialist. Scott provides education and outreach on the importance of freshwater inflows to Galveston Bay, ensuring that diverse stakeholder groups and citizens at large have a voice in State water planning. Scott received a B.B.A. in Marketing in 1985 and a B.S. in Aquatic Biology in 1993, both from The University of Texas at Austin. As far as his real job, Scott is a husband and a father to two girls. When not working at his real job, Scott spends any spare time in the garden or somewhere on or in the water.

WATERWAYS 2010 BIOGRAPHIES - MARCH 3

DR. MICHAEL NIESWIADOMY is a professor of Economics at the University of North Texas, received his B.A. from the University of Dallas (1979) and his Ph.D. in Economics from Texas A&M University (1983). He has been a consultant to the U.S. President's Council of Environmental Quality, the Texas Natural Resources Conservation Commission, and the Texas General Land Office. He is currently editor of the Journal of Legal Economics. His research expertise is in the areas of environmental and natural resource economics, labor and human resource economics and econometrics.

DR. STEWARD PICKETT is a Distinguished Senior Scientist and plant ecologist at the Cary Institute of Ecosystem Studies. He directs the Baltimore Ecosystem Study Long-Term Ecological Research program. His research focuses on the ecological structure and function of urban areas, the linkage of riparian corridors and savanna in the Kruger National Park, South Africa, and the dynamics of vegetation. He has contributed books on natural disturbance, ecological heterogeneity, humans as components of ecosystems, conservation, ecological urban design, and the philosophy of ecology. He has served on the boards of the American Institute of Biological Sciences and the Ecological Society of America of which he is the current president-elect.

JOHN PROMISE serves as the Director of Environment & Development for the North Central Texas Council of Governments, an association of more than 200 local governments in the 16-county Dallas-Fort Worth region. He earned a B.S. in Civil Engineering from Northeastern University in Boston, Massachusetts and an M.S. in Governmental Administration from The George Washington University in Washington, D.C. He is a Registered Professional Engineer in Texas, and is active in many civic and professional associations.

DR. RICARDO ROZZI is a Chilean ecologist and philosopher who teaches at the University of North Texas and the Universidad de Magallanes (UMAG). His research combines both disciplines through the study of the interrelations between the ways of knowing and inhabiting the natural world, proposing a dynamic continuous reciprocal feedback between both domains. His work at UNT forms a central part of the nation's best program in environmental philosophy.

WATERWAYS 2010 BIOGRAPHIES - MARCH 3

DR. KENNETH STEIGMAN is a professor of the Institute of Applied Sciences at UNT and the Director of the Lewisville Lake Environmental Learning Area. His recent work includes: Conduct bio-inventories of remnant tallgrass prairie flora and fauna in north central Texas, and Applied Restoration Ecology: implement tallgrass prairie, wetland and forest restoration and management involving the public in the process. Current focus is directed toward the restoration and management of the Lewisville Lake Environmental Learning Area, a 2000-acre parcel of U.S. Army Corps of Engineers federal land managed by a non-profit consortium of which UNT serves as the fiscal agent.

DR. GAIL THOMAS serves as President and CEO of The Trinity Trust Foundation in Dallas to remake the Trinity River Corridor. She is the founder and CEO of Cities Alive. Dr. Thomas' life work has been the study and transformation of cities. She began in 1982 a series of conferences called, What Makes a City?, attended by city planners, artists, scientists, poets, teachers, business and civic leaders, the effect of these conferences has been profound. Dr. Thomas has received numerous awards including the coveted Kessler Award for improving the quality of life in Dallas. She has been a national awards panelist for the National Endowment for the Humanities, the National Endowment for the Arts, and the American Institute of Architects.

DR. RUDI THOMPSON is a professor at the Department of Biological Sciences. She received her Ed.D from University of North Texas. She has Conducted a variety of invited presentations over the last five years including: The 5th Annual World Environmental Education Conference, Montreal, Canada, March, 2009. The School Mathematics and Science Conference, Raleigh-Durham, North Carolina, November, 2008. CUNY Science Education Seminar, New York, New York, April 2008. Peninsula College Center of Excellence Environmental Science Seminar Series, Port Angeles, Washington, August, 2007.

ROB TRANCHIN is a senior producer, writer and director of documentaries and outreach specials for KERA, where he also serves as executive producer for content. His national productions for PBS include Sweet Tornado: Margo Jones and the American Theater (co-written and produced with produced

WATERWAYS 2010 BIOGRAPHIES - MARCH 3

with Kay Cattarulla), Roy Bedichek's *Vanishing Frontier*, *Wildcatter* (for *American Experience*), *Who Cares about Kids?* with poet and author Maya Angelou, *For a Deaf Son*, and *Peacemaker*. In 1999, Tranchin won a national Emmy Award as writer and co-producer of KERA's four-part, nationally-televised PBS series *The U.S.-Mexican War (1846-1848)*.

DR. BARNEY VENABLES' research is in environmental chemistry, toxicology and bioactive lipids has been supported by the U.S. Environmental Protection Agency, the National Institutes of Health Center for Complimentary and Alternative Medicine, the National Institute of Environmental Health Sciences, the National Science Foundation and the Texas Advanced Research and Technology Programs. He is currently a tenured Associate Professor of Biology at University of North Texas and Adjunct Professor of Public Health and Preventive Medicine, University of North Texas Health Science Center

WATERWAYS 2010 SCHEDULE

THURSDAY 3/4

8:30 AM - Coffee and Breakfast, EESAT Atrium

9:00 AM - EESAT Building

DAVID HUNTER

Watershed Planning and Protection in Denton, TX: Past, Present and Future

9:30 AM - EESAT Building

DR. KEVIN STEVENS

The impacts of stress and disturbance on wetland plants in an urbanized watershed

10:00 AM - EESAT Building

NICHOLAS ENWRIGHT

*Estimating Inundation Patterns in Constructed Wetlands:
Methodology and Application to North-Central Texas*

10:25 AM - EESAT Building

JAIME SLYE

Biomonitoring of the Trinity River using Benthic Macroinvertebrates

10:50 AM - EESAT Building

DR. STEVE WOLVERTON

Late Holocene to Anthropocene Freshwater Mussel Community Ecology in North Texas

11:15 AM - EESAT Building

ROSEMARY BURK

Springs as refugia: Invertebrates as indicators of groundwater tipping points

11:40 AM - EESAT Building

DANIEL BASKIND & PETER PALACIOS

Energy: Water Management Practices and Natural Gas Development

12:00 PM

LUNCH BREAK

WATERWAYS 2010 SCHEDULE

THURSDAY 3/4 CONTINUED

1:00 PM - EESAT Building

FILM PREMIER & DISCUSSION
WITH MELINDA LEVIN & DR. IRENE KLAVER

The Global Rivers Project (a work in progress)

1:45 PM - EESAT Building

IVANA CORSALE

Campania In-Felix (Unhappy Country): Exploring the issue of toxic waste in Southern Italy

2:15 PM - EESAT Building

DR. ROBERT FIGUEROA

Just Waters: Environmental Justice at its Global Depths

2:45 PM - EESAT Building

DR. PETE GUNTER & JANICE BEZANSON
WITH DR. DAVID TAYLOR MODERATING

Panel: Effects of Fastril Reservoir on the Neches River

3:50 PM - EESAT Building

BILL MARQUIS

History of Living in the Trinity Basin

4:15 PM - EESAT Building

RODNEY LOVE

Catching up with the Past: Rainharvesting

4:40 PM - EESAT Building

DR. DAVID TAYLOR

Pushing the Edges of Nature Writing: Literature of the Trinity River

5:00 TO 6:30 PM - UNT on the Square

GALLERY RECEPTION WITH JUROR ANNETTE LAWRENCE

Rivers on the Edge: A Juried Student Exhibition & Water Art: Selected Faculty Works

FLUID FRONTIER KEYNOTE PRESENTATION

SOME LONGINGS SURVIVE DEATH BY DARIO ROBLETO

*Thursday 3/4 7:00 pm
Art Building Room 223*

Kicking off Fluid Frontier, artist Dario Robleto will present a body of work made after two extensive research trips to the glaciers of the Waterton-Glacier International Peace Park on the border of Alberta, Canada and Montana, United States. The work and talk are a meditation on the discrepancy between the nature of geologic deep time and human life spans, and how this awareness can test our limits of empathy for and response to environmental extinction and loss. How can art help bridge this challenge in a moment of unprecedented ecological destruction and produce the desire to change our behavior toward the world?

Referring to history, memory narrative, and chance, and connecting the personal to the abstract, Robleto's work raises timely and relevant questions about how we react to and live with a loss when we have responsibility for that loss and how we find strength and change within that responsibility. Robleto's work has been shown in numerous one-person exhibitions, including at the Whitney Museum of American Art, New York and the Museum of Contemporary Art, San Diego.

WATERWAYS 2010 BIOGRAPHIES - MARCH 4

DANIEL BASKIND & PETER PALACIOS are both Masters students at the University of North Texas. Baskind is studying in environmental ethics and political science and Peter Palacios is studying in environmental ethics and applied geographic science. Both have come to the issue of natural gas development out of concern for the water management practices currently in use by the industry.

JANICE BEZANSON is the Executive Director of Texas Conservation Alliance. Having 25 years experience in conservation work, she has campaigned successfully for creating wildlife refuges and other natural areas, finding alternatives to expensive reservoir projects, and improving forest management on public lands. Janice has served on numerous non-profit boards and, among other accolades, was the recipient of the prestigious Chevron Conservation Award.

ROSEMARY BURK is completing a doctorate in Biology at the University of North Texas. Her research focuses on the ecology and recolonization of aquatic invertebrates in a perennial groundwater-fed stream in Parker County (Texas). The stream supports a high diversity of aquatic biota, and is the only stream in the region to maintain flow throughout the worst drought in the county's 123-year record. She has co-authored aquatic biological assessment reports for the Dallas/Fort Worth International Airport, and the City of Grand Prairie's Wetlands Mitigation Project, and taught laboratory courses in Stream Ecology, Insect Biology and Aquatic Insects.

IVANA CORSALE was born and raised in Southern Italy. She moved to the United States to pursue an undergraduate degree in journalism and international studies from Southern Methodist University in Dallas, Texas. She has worked as a journalist at The Dallas Morning News where she further explored her storytelling skills through video. She's currently directing another short documentary exploring the lives and struggles of musicians. Campania In-Felix (Unhappy Country) is her thesis film, currently under pre-production.

WATERWAYS 2010 BIOGRAPHIES - MARCH 4

NICHOLAS ENWRIGHT is a graduate student majoring in applied geography with a concentration in water resource management at the University of North Texas. He received a B.S. in geography and a certification in Geographic Information Systems from the University of North Texas in 2007

DR. ROBERT FIGUEROA is Associate Professor in the Department of Philosophy and Religion Studies at the University of North Texas. He specializes in environmental justice studies, environmental identity and heritage, restorative justice and climate refugees, and the philosophy of science and technology studies. He is co-editor of *Science and Other Cultures: Issues in the Philosophy of Science and Technology* (Routledge : 2003), and editor of the *Environmental Philosophy Journal: Special Issue on Ecotourism and Environmental Justice* (2010).

DR. PETE A.Y. GUNTER has endured two careers, the first as the founding chairman of the Philosophy Department at the University of North Texas, the second as an environmental activist involved in “saving” wilderness areas. The latter involved successful efforts to create and to enlarge the Big Thicket National Preserve in southeast Texas. The former involved the creation and elaboration of a program of environmental philosophy/ environmental ethics at UNT. Among his publications are *Bergson and the Evolution of Physics*, *The Big Thicket: A Challenge for Conservation*, *Henri Bergson: A Bibliography*, *Creativity in George Herbert Mead*, and *Texas Land Ethics*. He has been known to sing and play the guitar, and has been caught doing metaphysics.

DAVID HUNTER is the Watershed Protection Manager for the City of Denton. He works on the Phase II storm water regulations of the Clean Water Act for the City. He has worked on projects related to Storm Water, Watershed Protection, Wastewater Treatment, Drinking Water Treatment and Water Quality Monitoring. He is also a member of the American Meteorological Society and The Environmental Section of The American Chemical Society. He lives in Denton, TX with his wife and five children.

WATERWAYS 2010 BIOGRAPHIES - MARCH 4

MELINDA LEVIN is a documentary filmmaker and Chair of the Department of Radio, Television and Film at the University of North Texas. Working primarily in the documentary mode, Levin has produced, directed, edited and shot documentaries in the U.S. and abroad, including North America, Europe, the Middle East and Asia. Her works have screened at New York's Museum of Modern Art, The San Francisco Art Museum, The Society for Applied Anthropology, The American Anthropology Association, The Society for Cinema and Media Studies and The Human Rights in a Changing Society Conference in Israel, and have been broadcast on PBS and shown at various film festivals and galleries.

RODNEY LOVE is the founder and CEO of H2Options, Inc. His vision is to provide his customers with integrated water solutions which include rainwater harvesting, greywater reuse efficient landscape irrigation. Rodney began to include Rainwater harvesting in his landscape services in 2006. Since then he has seen the demand for water conservation increase and has focused on establishing rainwater harvesting and greywater reuse as legitimate trades within the construction industry. He regularly consults with cities and developers concerning water conservation and what can be done to prevent future water shortages.

BILL MARQUIS is the owner and founder of "Marquis Restoration and Preservation" which seeks to restore early Texas structures. Mr. Marquis works for the cities of Denton, Irving and other historic-minded municipalities, hauls in dilapidated houses, stores and other structures in partial ruin to his ranch and restores them to their original state. One of his most recent projects was the Denton County African American Museum, dedicated in February 2007.

JAIME SLYE received her BS and MS at Texas A&M University - Kingsville. Her Master's thesis evaluated the external and internal marine parasites of Atlantic Croaker, a common bait fish used in Corpus Christi Bay. From there, she decided to study freshwater organisms and became a member of Dr. James H. Kennedy's Aquatic Ecology Lab here at UNT. For her dissertation, she is studying the community structure of benthic macroinvertebrates, which are organisms that live in the sediment of the river. She is also a founding member of the Silvey Society,

WATERWAYS 2010 BIOGRAPHIES - MARCH 4

past-president of the UNT Student Chapter of the Society of Environmental Toxicology and Chemistry, student member of the Southwestern Association of Naturalists, and the North American Benthological Society.

DR. KEVIN STEVENS is a wetland plant ecologist in the Department of Biological Sciences, Institute of Applied Science. His research falls into two broad categories 1) Identifying the effects of anthropogenic stressors (climate change, eutrophication, altered land use, introduction of exotic species, antimicrobial compounds) on wetland plant communities and ecosystem functioning and 2) Determine the capacity of wetland plant communities and wetland plants to mediate the effects of human population growth. His research group is currently engaged in projects to understand wetland plant community response to disturbance, contaminant removal in constructed wetlands, identify novel sources of fibers and biofuels, and quantify characteristics of invasive species.

DR. DAVID TAYLOR is a lecturer in the English Department and has written and edited four books: *Pride of Place: A Contemporary Anthology of Texas Nature Writing*, *South Carolina Naturalists: An Anthology, 1700-1860*, *Lawson's Fork: Headwaters to the Confluence* and a book of poetry *Praying Up the Sun*. Forthcoming volumes include, *Restoring Home: Essays on Family and Place* and *South Carolina Nature Writing, 1860-1970*. He is also at work on a book about the headwaters of the Trinity River. He has published multiple articles, essays, columns, and poetry in such journals as *Ecological Restoration*, *Interdisciplinary Studies in Literature and the Environment*, *Borderlands*, *Mountain Gazette*, and *Southern Poetry Review*.

DR. STEVE WOLVERTON is an environmental scientist and archaeologist specializing in paleozoology of North America during the Holocene. He is assistant professor in environmental archaeology and conservation paleozoology at the University of North Texas, Department of Geography. His interests span ecology, paleoecology of North America, environmental archaeology, paleozoology, and conservation biology. His recent research focuses on white-tailed deer and black bear biology and the use of datasets from zooarchaeology and paleontology to address modern issues in conservation biology.

FLUID FRONTIER SCHEDULE

FRIDAY 3/5

10:00 AM - UNT Art Gallery, Art Building First Floor

EMILY BRADY

The Fluid Sublime

Environmental philosopher Emily Brady will talk about her recent research and book in progress, *The Sublime: Aesthetics, Ethics, and Nature*.

11:00 AM - Art Building Room 223

JOHN FROST

Environment: Observations and Contemplations

Artist John Frost will address work created following a three-year relocation from Texas to Nashville, Tennessee, where new perspectives and greater awareness of his immediate natural environment represent a microcosm for global concerns. Frost will focus on observations and contemplations relating to the human condition and its relationship to the current state of the environment and society.

LUNCH

1:30 PM - Art Building Room 223

MARY MATTINGLY

Second Nature

Artist Mary Mattingly's work integrates photography with aspects of sculpture, installation, and performance. Rigorous in its research, these multi-form projects begin with the imagination of a possible scenario and evolve as ad hoc solutions to the circumstances of living and sustaining. Mattingly will discuss recent projects including the Waterpod Project, Wearable Homes, and photographing the future.

3:00 PM - Art Building Room 223

**ECOARTTECH, DIGITAL ECO-ARTISTS CARY PEPPERMINT
AND CHRISTINE NADIR**

Google is a National Park and Nature is a Search Engine

Ecoarttech talks about their interdisciplinary residency at UNT, titled "The Center for Wildness in the Everyday," and their creative research into media and art and the convergence of ecological, cultural, and digital/media networks.

ECOARTTECH AND THE CENTER FOR WILDERNESS IN THE EVERYDAY



“Wild is this very play between appearance and disappearance, the slipping in and out of the limits of presence. To be wild is to stand out and to disappear, a rhythm of foreground and background, of light and shadow... I hold a plea for an expansion of the experience of the wild in our everyday existence.” –Irene J. Klaver

Center for Wildness in the Everyday (CWE) is a division of the digital ecological art collaborative, ecoarttech, with one node at the Soil Conservation Services Hickory Creek Basin Retarding Pond #16 (SCS #16) in Denton. At each of its nodes, the CWE stages performative happenings that explore the environment. For ecoarttech, the term “environment” refers not only to nature or geographic spaces; rather, we understand it as part of an interwoven network of biological, cultural, mental, and digital spaces, and we imagine the health of each as indistinguishable from the health of others. In the words of Gregory Bateson, the planet is part of humans’ “eco-mental system”: “if Lake Erie is driven insane [by pollution], its insanity is incorporated in the larger system of your thought and experience.” *[continued on next page]...*

When CVAD and Fluid Frontier commissioned us to make a new media artwork with UNT students and faculty about life in the Trinity River Basin, we were confronted with making a work within an environment unlike any we had experienced before. In a locale like the Trinity River Basin, where water is managed so meticulously—every lake is man-made and creeks are routed into concrete channels—where exactly is nature, or even the trace of nature? In New York and New England, where we spend most of our time, human activity alters the landscape in every imaginable way, yet a sort of fantasy of wilderness remains. Here, in North Texas, how would we imagine environmental ethics and ecological sustainability? To answer this question, we found inspiration in the research of Dr. Irene Klaver, associate professor of philosophy at UNT—through her philosophy and her study of SCS #16, or “Little Lake,” which functions as hydraulic infrastructure, ecological habitat, and urban nature retreat all in one.

Originally constructed in 1975 as a retention and detention pond to prevent floods like those in 1957 and 1962 that devastated downtown Denton, SCS #16 has exceeded its hydraulic function, attracting wildlife and becoming host to vibrant, hybrid cultural and ecological diversity: great blue herons, yellow-crowned night heron, egrets, ducks, beavers, ballplayers, disc-golfers, picnickers, and fishermen. Through Irene, we saw how SCS #16 became a space where social, cultural, mental, and biological ecologies converged, making way for “wild” happenings that overflowed official plans. We extended this wildness to the digital network, creating, with UNT faculty and students, an extended, multi-media artistic-philosophical meditation on wildness and water. As Irene writes, “we need to find the interstices of wildness in the grass of our backyard, even in the semi-permeable asphalt of our parking lots and interstates.”

Klaver, Irene J., “Wild: Rhythm of the Appearing and Disappearing,” *The Wilderness Debate Rages On: Continuing the Great New Wilderness Debate*, edited by Michael P. Nelson and J. Baird Callicott, University of Georgia Press, 2008, pp. 485 – 499.

FLUID FRONTIER ARTISTS BIOGRAPHIES



EMILY BRADY is Senior Lecturer in the Institute of Geography at the University of Edinburgh. Her research interests begin in philosophical aesthetics and extend out to various areas, including environmental aesthetics (nature, environment, art, cultural landscapes), everyday aesthetics, and Kant. Her work has been concerned with thinking through the nature of aesthetic experience, with particular attention to the role of imagination and emotion and the relationship between aesthetic value and moral value. Brady is the author of *Aesthetics of the Natural Environment* (2003); and co-editor of *Humans in the Land: The Ethics and Aesthetics of the Cultural Landscape* (2008) and *Aesthetic Concepts: Essays After Sibley* (2001). Her current research focuses on aesthetics of nature in the history of philosophy, with a book in progress, *The Sublime: Aesthetics, Ethics and Nature*. She is currently President of the International Society for Environmental Ethics.



ECOARTTECH is a collaborative platform for digital environmental art, created in 2005 by Cary Peppermint and Dr. Christine Nadir. Leila Christine Nadir teaches at Colgate University on the topics of twentieth-century literature, modernity and modernism, and new media art history and theory. In 2008, she received the Society for Utopian Studies annual Arthur O. Lewis Award for the best paper by a young scholar, and her article on 'green' literature is forthcoming in the journal *Utopian Studies*. Nadir's current projects include writing a memoir about her Afghan-American childhood and reworking her doctoral dissertation into a book that intertwines ecological theories of modernity, media, art, and literature. Cary Peppermint is a conceptual and performance artist working with digital technologies and natural environments. His website *Restlessculture.net* is a recognized platform for his ongoing series of net art and networked performance art. His curatorial projects include several international exhibitions of

digital eco-art, including *Nature Version 2.0: Ecological Modernities and Digital Environmentalism*. Cary is currently an assistant professor at Colgate University, where he teaches courses in the theory and practice of digital art. His work is in the collections of the Walker Art Center, Rhizome.org at the New Museum, and The Whitney Museum of American Art. EcoArtTech is a 2009 Artist Fellowship recipient of the New York Foundation for the Arts.



JOHN FROST is a Texas-based sculptor who uses natural, often modular manufactured industrial materials to make meticulously crafted and constructed forms that come from a meditation on the silent, slow or obvious elements in every day living and refer to the larger context of the human condition in relation to environment, society, and economy. In his sculptures and installations,

elements of repetition and scale and the inherent content in the materials he uses each help to communicate broad ideas of excessiveness and magnitude. His work is about searching for the perfect balance between too much and not enough. He has exhibited and lectured on his work regularly since 1999. Frost also curates exhibitions and teaches studio art. Solo shows include Mighty Fine Art Gallery, Dallas; Georgia Southwestern State University, Americus, where he was a visiting artist; Gallery 414, Fort Worth; and Art Depot Gallery, Lubbock. A recent body of sculptures was featured late last year in a major one-person show titled *A Cell of One's Own: John Frost*, at The Old Jail Center in Albany, Texas.



MARY MATTINGLY is a New York-based artist whose work partners photography with sculpture, video, and performance to portray environmental and social fantasies and their realization in the everyday. Pursuing ideas of nomadic self-sufficiency, wearable homes, the Waterpod Project, and space exploration, Mattingly's work and living consider both physicality and possibility in consumerism, technology, and dwelling, posing both

critique and solution. Mattingly's work has been featured in numerous solo exhibitions, including Robert Mann Gallery, The New School, and White Box,

New York; Galerie Adler, Frankfurt; and Feldman Gallery, Media Arts Gallery, and Disjecta Art Center, Portland. Group exhibitions have included most recently, *Waterpod: Autonomy and Ecology* at Exit Art, New York, and *Trouble in Paradise: Examining Discord Between Nature and Society* at the Tucson Museum of Art, Arizona, as well as numerous venues in New York and California and abroad in France, The Netherlands, Germany, and Turkey. Awards include the inaugural Prix Pictet (shortlist), the 2008 New York University Artist-in-Residence, and Lower Manhattan Cultural Council Artist-in-Residence, among other awards and residencies.



DARIO ROBLETO is a Texas-based artist who works conceptually, making sculptural installations that convey the intricacies of fundamental human experiences. The artist has had over 25 solo exhibitions since 1997 at museums such as the Whitney Museum of American Art at Altria, New York; the Museum of Contemporary Art, San Diego-Downtown; and the Aldrich Contemporary Arts Museum, Ridgefield, Connecticut. In 2008 a 10-year survey exhibition, *Alloy of Love*, was organized by the Frances Young Tang Teaching Museum and Art Gallery at Skidmore College, Saratoga Springs, New York. Notable group shows include *Whitney Biennial 2004*, Whitney Museum of American Art, New York; and *Human/Nature: Artists Respond to a Changing Planet*, Museum of Contemporary Art, San Diego. Robleto has been visiting artist and lecturer at many colleges and universities including Bard College, Annandale-on-Hudson, NY, and the Rhode Island School of Design, Providence, RI. His awards have included the 2007 Joan Mitchell Foundation Grant and the 2009 USA Rasmuson Fellowship.

HOST INFORMATION

DR. IRENE J. KLAVER is Director of the Philosophy of Water Project, Associate Professor in the Department of Philosophy at the University of North Texas, and Co-Director of the International Association for Environmental Philosophy. Dr. Klaver earned her M.A. in Political Theory (Cum Laude) at the University of Amsterdam and her Ph.D. in Philosophy at the State University of New York in Stony Brook. Klaver has taught at universities in the Netherlands, California, Montana, Connecticut, and New York, and has been teaching at UNT since 2000. She is Co-Editor of the UNESCO book *Water, Cultural Diversity & Global Environmental Change: Emerging Trends, Sustainable Futures?* Her research and teaching focuses on social-political and cultural dimensions of water. She teaches interdisciplinary graduate seminars on water issues, has published and lectured widely on the topic, and has worked on various water documentary films, such as the Global Rivers Project. Klaver is also a UNESCO Advisor on Water and Cultural Diversity.

The UNT PHILOSOPHY OF WATER PROJECT promotes water education, research, and outreach activities with local and international organizations, providing intellectual analyses, hands-on learning experiences, collaborative connections, and academic conferences. The project has been funded since 2003 by the Dixon Water Foundation and collaborates with departments throughout UNT as well as other (inter)national universities and institutes. The Philosophy of Water Project's director and founder is Dr. Irene Klaver, Associate Professor, Department of Philosophy and Religion Studies, University of North Texas. www.water.unt.edu

The **COLLEGE OF VISUAL ARTS AND DESIGN** seeks to engage our diverse student population with issues of artistic heritage, stimulate their imagination and involvement with the world, foster their critical and analytical thinking, and inspire their creativity through educational opportunities in art education, art history, design, and studio arts, all supported by a vital program of creative research. Excellent exhibition, visiting artist, and scholar activities support the college's academic goals and programs through galleries, collections, institutes, and research efforts.

The **DEPARTMENT OF STUDIO ART** seeks to promote excellence in the visual arts through a comprehensive educational program in its nine disciplines: ceramics, drawing and painting, fibers, metalsmithing and jewelry, new media art, photography, printmaking, sculpture, and watercolor. Studio art faculty strive to transmit artistic heritage, lay a solid foundation of basic skills and concepts, foster critical thinking, and inspire creativity so that each student may find his or her own aesthetic voice.

The **UNT ART GALLERIES** support the educational mission of the university, enrich the aesthetic environment of the community and serve as a cultural resource for the public at large. With a focus on curatorial projects involving vanguard contemporary art, the galleries challenge and promote the current discourse surrounding living artists and their work.

CVAD & THE PHILOSOPHY OF WATER PROJECT WOULD LIKE TO THANK:

DIXON FOUNDATION – The mission of Dixon Water Foundation is education, outreach and research on water issues, with a particular focus on ecologically and financially sustainable land management that will enhance water retention and minimize erosion in watersheds. The Dixon Water Foundation has supported the Philosophy of Water Project since 2003.

UNT FINE ARTS SERIES – The UNT Fine Arts Series strives to provide a variety of programming to encourage the students and the community to evaluate and discern their own tastes. It is the goal of the series to provide programming that will benefit the UNT and Denton communities through a variety of experiences.

WELLS FARGO – WaterWays 2010 and Fluid Frontier are both made possible by awards from Wells Fargo. www.wellsfargo.com

LUCERNE BUSINESS GROUP – Lucerne Business Group provides unique opportunities to innovative students to advance their careers by providing access to private companies and projects in need of original solutions and proposals. Uniquely positioned, Lucerne is quickly becoming a valuable resource for students, companies and universities. www.lucernegroup.com

