A Body of Work

Lynn Lukkas, associate professor in the Department of Art, explores seemingly disparate disciplines in the heart of her current work. The Eccentric Projects and The Dogs' Heads series delve into the intellectual relationship between art and research in neuroscience, biomedical engineering, and political relations, and economics.

Lukkas' Eccentric Projects utilize the viewer's breathing, heartbeat, and responsiveness to "psychically collapse the distance between mind and body," externalizing these interior functions via computer-generated imagery using biomedical monitoring technology and mapping software.

In a different vein, the Eccentric Projects have led to positioning systems that expand the audience's footprint from Lukkas' worldwide travels to create digital installations that examine geopolitical boundaries, ideology, and economic globalizations—giving inside the body to consider the individual's relationship to place.

I have thought of these two themes as a ray of creative work as human experience formed by biology on the one hand and by sociology on the other," says Lukkas.

Lukkas received a grant from the Institute for Advanced Study, which provided the necessary scholarship, to "bridge the gap between the arts, sciences, and the philosophical questions I set at their connection."

For examples of Lukkas' work, go to lynnlukkas.unm.edu.

Lynn Lukkas

Picking Up Speed

How can you make an accurate assessment of brain function without proper tools? Networks of neurons in the brain interact at lightning speed, making it very difficult to measure their activity.

Current assessment tools, such as functional magnetic resonance imaging (fMRI), are too slow to record fast events. To detect such activity, Apostolos Georgopoulos, professor of neuroscience, neurology, and psychology, and his colleagues, used a mathematically formulated model to record an interaction of magnetic fields in the brain as subjects looked at a spot of light.

The team measured interactions among tens of thousands of brain cells. "This discovery will allow researchers to better evaluate the brain functions of people with various diseases such as Alzheimer's," says Georgopoulos, "and to map the effect of treatments by assessing the status of the brain's networks over time."

Advancing Knowledge
Balancing Act

It's something most people rarely think about: how our body ensures healthy brain function.

Excess cerebrospinal fluid flows out of the brain through tiny projections called arachnoid granulations to maintain the perfect balance of fluid cushioning the brain. In people with hydrocephalus, a common birth defect, the granulations don’t let fluid out and pressure builds, potentially causing brain damage and even death.

Fortunately, Cornelius Lam, assistant professor of neurosurgery, is working on a solution. Since 1960, implanting a tube to shunt excess fluid from the brain has been the only treatment for hydrocephalus. “The problem with these shunts is they have a tendency to malfunction—50 percent fail after two years and have to be revised or replaced,” says Lam.

His idea—replacing faulty granulations with functioning ones made from the patient’s cells—mimics the natural blood-brain barrier. “I’m on a mission,” Lam says. “I’m hoping it will make people better.”
Home Grown

It's a common misconception that the University's plant breeding programs release several new plants each year. In fact, there have only been 102 fruit releases since the program started almost 100 years ago.

2006 welcomed four new releases: The richly colored and tart Itasca™ strawberry, the dazzling and hardy Garden Glow™ dogwood tree, the cook's delight Snowsweet™ apple, and the Blue Heaven™ ornamental grass.

Stroke of Genius

When a person has a stroke, blood flow to the brain is disrupted, destroying neighborhoods of neurons. The resulting loss of brain function has been thought to be irreversible, but neuroscientist Walter Low and his colleagues recently had a breakthrough in their research that could change that perception.

They injected novel stem cells they discovered in umbilical cord blood into stroke-impaired rats and found that new neurons formed in the injured area of the rats' brains, restoring some lost function. The size of the rats' brain lesions reduced and they showed improved use of their limbs.

"We are excited by this discovery because it provides additional insight into how stem cells can restore function in the brain after injury," said Low. Next, Low and his team are moving toward application in humans and investigating whether the novel cells could help those suffering from Parkinson's disease, stroke, and other neurological disorders.
Natural Born Killers

As a result of globalization, weeds and insects that aren’t native to Minnesota are damaging our crops. For example, soybean aphids, a new pest in Minnesota, were possibly imported in edamame—edible soybean pods common throughout Asia.

Aphids and other pests are often accidentally imported, leaving their matching natural controls behind. In this case, stingless wasps—known to occur in Japan, Korea, and China—are aphids’ natural predators. As a result of no natural control in the U.S., aphid damage costs Minnesota farmers 100 million dollars a year in pesticides and destroyed crops.

David Ragsdale and George Heimpel, professors in the Department of Entomology, are researching the effects of importing and rising the soybean aphid with its natural enemies—such as stingless wasps that were left behind—as a way to biologically control aphids in Minnesota’s soybean fields. Using the new biosafety quarantine facility, they will make sure these natural enemies don’t cause more harm than good.

DAVID Ragsdale
GEORGE Heimpel

Painting Prose

We all know that artists can specialize in a variety of fields; and Michael Elbe, assistant professor of studio art at Morris, is no exception. Elbe created a series of paintings that blend poetry, calligraphy, mark making, and painting into Beasts of Haiku, a new body of work inspired by the haiku poems of American beat poet, Jack Kerouac.

A central element of these paintings is the process in which Elbe references the Japanese art of Haiku—literally meaning haiku paintings—where the poem and painting converge to add layers of meaning to one another.

"As an artist, I see this as a new and inventive approach to my creative research... it is the inventiveness of Kerouac that has drawn me to use his haiku as a catalyst for these paintings," says Elbe.
CREATIVE TEAM

Amy Danielson, Managing Editor
Andria Peters, Writer and Editor
Sysouk Khambounmy, Designer
Richard Anderson, Photographer
Bruce Erickson, Editor
WELCOME TO THE TWIN CITIES!

Letter from the Provost >

Our Twin Cities >

Getting Around >

ARTS + CULTURE
Get into the Minnesota Arts Explosion! From night life to museums, from art to theater, we've got it all.

FOUR SEASONS OF FUN
Explore the Twin Cities from miles of parks and trails, and find out more about adventures in all seasons.

FAMILY FRIENDLY
This is a great place to raise a family! Find out more about our schools, neighborhoods, and things to do.

ASK THE LOCAL
Have a specific question about living in Minnesota or the Twin Cities?
Ask Us!
Exceptional Theater, Art, Music, and Dance

Minneapolis was designated a 2006 Design City by Newsweek—with its new Jean Nouvel-designed, nationally-renowned Guthrie Theater, a downtown public library by Cesar Pelli, an addition by Michael Graves to the comprehensive Minneapolis Institute of Arts museum, and Herzog & de Meuron’s Walker Art Center expansion, which provides new opportunities to display more of the Walker's exceptional collection of modern and contemporary art.

With more theater seats per capita than any city outside of New York and two internationally-famous orchestras (The Minnesota Orchestra and the Saint Paul Chamber Orchestra), the Twin Cities area is the premier cultural destination of the entire region. Further contributing to the artistic richness of the Twin Cities is a diverse dance environment, considered to be one of the most thriving dance communities in the country.

Explore the Twin Cities Theater Scene >

Video: Regents Professor Patricia Hampl, Department of English, at the new Guthrie Theater in downtown Minneapolis. (click on video to play)

DID YOU KNOW?
Four Seasons of Fun

With four distinct seasons and an abundance of natural resources, the Twin Cities area provides a rich array of recreational activities.

Imagine a city with 22 lakes and a metropolitan area with more than 1,000 lakes—and you can begin to get a sense of Minneapolis and the Twin Cities. A 13.3 mile biking/walking/jogging path connects Minneapolis's Chain of Lakes, providing many beautiful settings for a variety of activities. Each major lake is encircled by two separate paths. One path is for biking and rollerblading in spring, summer, and fall and for cross-country skiing in winter. The second path is for pedestrians and joggers year-round (this path does get plowed during the winter!). Major city lakes have lifeguard-protected sand beaches, docks for sailboats, canoes, and kayaks, and fishing year-round. Many parks feature ice skating—and there is skating on city lakes. There are outdoor concerts and plays during the summer at the Lake Harriet Bandshell and other park venues.

Video: Richard Martinez, Assistant Professor, Department of Chicano Studies, at the Stone Arch Bridge over the Mississippi River on his way to the University. (click on video to play)

HOT SPOTS

<table>
<thead>
<tr>
<th>DOWNHILL SKIING:</th>
<th>URBAN PARKS + TRAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Afton Alps</td>
<td>The Chain of Lakes</td>
</tr>
<tr>
<td>Rock uterus</td>
<td>Campus Park Zoo</td>
</tr>
</tbody>
</table>

DID YOU KNOW?

The Grand Rounds, a National Scenic Byway, is a system of trails, paths, and waterways that connects the Twin Cities and St. Paul.
Have we piqued your interest? Are you Drive to Discover™ more?

We invite prospective faculty and staff to send us your questions about life in the Twin Cities. We will do our best to get back to you promptly.

What would you like to know about Minnesota?

Name

Email Address

Clear Fields

Submit Question
Family Friendly

Minneapolis has received top rankings from Kid Friendly Cities. In the 2006 Soul of the City Gallup survey, the third leading attribute of the Twin Cities was its reputation as a great place to raise children.

Video: Renée Cheng, Head and Associate Professor, School of Architecture, talks at the Minnesota Children's Museum about living in the Twin Cities. (click on video to play)
CREATIVE TEAM

Sharon Reich Paulsen, Executive Director
Jon Binks, Writer/Editor
Kristofer Layon, Web Designer
Kari Finkler, Consulting Creative Director
Tim Eaton, Consulting Creative Advisor
Patrick Jannette, Consulting Web and Flash Developer
University of Minnesota

2007 Maroon Award Campaign

Printing Services

Back to Campus Fundraising Campaign
STRENGTHENING COMMUNITY AND PRIDE

STRENGTHENING COMMUNITY AND PRIDE

The Campaign for a Golden Gopher Football Stadium

BACK TO CAMPUS

THERE WAS A TIME...
BACK TO CAMPUS
Golden Gopher Legends
Back to Campus
CREATIVE TEAM

Shawn Welch, Art Director/Designer
Mike Halloran, Project Coordinator
Delinda Blanck, Interim Project Coordinator
U of M Printing Services, Printer
Bob Swoverland, Printing Consultant
UNCHARTED TERRITORY
University of Minnesota - Twin Cities 2006
Communicators Forum

TRADING POST PASSPORT

Visit at least 10 of the following vendors and you will be eligible to win one of the fabulous prizes listed on the back of this trading post passport!

- Printing Arts, Inc
- Printing Enterprises, Inc
- Professional Editors Network
- U of M Environmental Health/Safety
- U of M Conference & Event Services
- U of M Printing Services
- U of M Promotions
- U of M Signs & Graphics
- Minnco Industries
- Wallace Carlson Co.
CREATIVE TEAM

Kristofer Layon, Design Direction
Amy Kalbrener, Graphic Design and Print Coordination
Meenal Patel, Graphic Design
Jennifer Plath, Copywriting

2006 Conference Committee:
Mary Sienko, Jenn Reed, Kelly O’Brien, Liisa Beckman, Mia Boos

Gary Stoll, Printing
University of Minnesota

2007 Gold Award

Writing

University Relations

"Stolen Identity"
On the identity trail

U STUDENT LEARNS ABOUT BULGARIA WHILE TRACKING HIS STOLEN IDENTITY

by Pauline Do

Feb. 23, 2007

If someone stole your personal information, would you:
A) Report the crime and wait to see what happens?
B) Follow the paper trail left by the thieves, even if it leads you to a foreign country?

Most people would answer A. But if you answered A and B, then you probably have a rare adventurous spirit, like Andrew Schroeder. The University of Minnesota graduate student was a victim of identity theft in December 2005, and last year he made a special trip to the Balkans, where he supposedly made about 60 financial transactions within 14 days.

"I came up with the idea of retracing the path of my Visa card [in Macedonia and Bulgaria] a week after my identity had been stolen," says Schroeder, a second-year M.F.A. candidate in visual arts and printmaking. "I was drawn to the danger element, and I was looking for answers. Who are these people? Why did they do this to me?"

To help bring life to his idea, Schroeder applied for the U's 2006 Walter H. Judd International Graduate and Professional Fellowship. In recent years, and as it drives toward its goal of becoming one of the top three public research universities in the world, the University of Minnesota has focused efforts on increasing study abroad opportunities for undergraduate students and offering more fellowships to support graduate student research, artistic endeavors and internships (see "Further reading" at the end of the story). Schroeder was among the 23 Judd fellowship recipients.

'The grant paid for airfare and hotels," says Schroeder. "And I paid for everything in between."

Schroeder, making his first solo trip to Europe, flew to Amsterdam and then Istanbul, where he boarded a train to Bulgaria. Because he couldn't get a permit to enter neighboring Macedonia, Schroeder focused...
Map courtesy of the CIA World Factbook

**UMNnews Photo**

**Date:** May 25, 2006  
**Location:** Nessebar, Bulgaria  
**Transaction:** Room at the Festa Panorama Hotel/Resort. The hotel is a resort apparently geared towards older Germans and Russian couples looking for a second honeymoon. I may be the youngest person here.

Photo and text by Andrew Schroeder

View next
**UMNnews Photo**

**Photo and text by Andrew Schroeder**

**Date:** June 05, 2006  
**Location:** Sofia, Bulgaria  
**Transaction:** Coffee and muffin at café I purchased a coffee and a muffin-like pastry at a coffee shop matching my bank statement. Surprisingly, it served Starbucks beverages.

**Date:** June 06, 2006  
**Location:** Sofia, Bulgaria  
**Transaction:** BulBank ATM (attempted) I was not able to locate the correct ATM. It may have been moved or withdrawn from service. Instead I took the opportunity to look at the graffiti around the transaction site.

Photo and text by Andrew Schroeder
CREATIVE TEAM

Pauline Oo, Writer
Rick Moore, Editor
Deane Morrison, Proofreader
Patrick O’Leary, Photo Resizing
Melissa Brown, Web Content Manager
UNIVERSITY OF MINNESOTA

2007 GOLD AWARD

COMMUNICATORS FORUM

PRINT

College of Liberal Arts

Redesign of Reach magazine
The Changing
face
of CLA:
It's more than meets the eye

ON THE INSIDE

• What Are We Fighting For? Four CLA Scholars Get to the Root of War
• The Secret Lives of Scientists
The Face of War

Travel with Middle East correspondent Betsy Hiel ('91) to Metula, Israel, where she observes the paradox of war first-hand. In an article for the Pittsburgh Tribune-Review, Hiel writes, "As night fell, young Israeli soldiers prepared to assault Hezbollah guerrillas—checking weapons and packs, painting each other's faces black and gray under dim street lights." Read the rest of her riveting account on page 3.

THEN TURN TO page 12, to see what four CLA scholars have to say about why we fight wars, why they last so long, and how the people of a democratic nation interpret the language of war and manage the day-to-day challenges of living in wartime, if not in a war zone.

Search Results

One reason is outside intervention.

"The international system has perversely created conditions that encourage lengthy civil wars in recently independent states," says Ann Hironaka, associate professor, sociology.

Driven to Discover

www.discover.umn.edu
Wondering what tomorrow's leaders have to say about the big, perplexing issues facing our nation and the world? **On the Spot** features impromptu reflections on these issues. In September, with elections just two months away, we asked students, "What's so great about democracy?" and "What's not so great?"  

"For a good democracy to function, there must be a proper representation of the population's voice. Having a voice basically includes voting, knowing what you're voting for, and getting that vote counted. If there is an impediment to any of those steps, the control starts to tip into the hands of the few and it is no longer a democracy."  
**ANYA DIKAREVA**  
(Psychology and Art '09)

"To most people, the meaning of democracy is the ability to have meaningful and substantive control over their lives in the public arena, but when the modes of production and distribution are in the hands of private corporations, citizens really have limited or no impact."  
**JAMES BOURQUE** (Political Science '08)

"The problem is not that people don't believe in democracy, rather that they don't believe in themselves. In other words, living in a democratic society does grant us some power to make a difference, but it doesn't matter until people learn to look within themselves for the power and reasons to take action."  
**EDDIE GLENN** (African American Studies '08)
Putting Access on the MAP

As the new McGuire Academic Program is responding to the needs of a changing Minnesota...

Deep in the bowels of Johnston Hall, you'll find a light on at 8:10 a.m. sharp. That's when freshmen in the McGuire Academic Program (MAP) begin to stream into room B-29 each morning to share breakfast toast, lounge on worn blue thrift-store couches, and kick in with each other and their peer mentors about how their first year at the U is going.

MAP just launched this fall, but already, MAP students have made themselves at home in this underground enclave, using the space and resources it provides to tackle their first year head on. The 134 slots in the program are enrolled in all seven freshman-admitting institutions.

Brianna Deal, one of MAP's seven peer mentors, says her own freshman year was a "whirlwind," and she sees great benefit to orienting students early on. "It's just so valuable to have somebody reach out to you and say, 'Here's what we have to offer, here's how I can help you. I want to get to know you better and help you deal.'"

The "McGuire Edge" gives students a jump start. Over six days, students get to know their peer mentors, each other, and the campus. One of the more popular activities this fall was "The Amazing Race, Edge-style," a campus-wide scavenger hunt that helps teams of students learn their way around.

Education playing field for Minnesota's young people reflect and serve Minnesota's rapidly changing population...
takes on
WAR

Following what has been called “the bloodiest century,” the 21st century’s opening years have been no less bloody and battle-scarred—by U.S. wars in Iraq and Afghanistan, by the Second Congo War, the Darfur conflict, the Ivory Coast civil war, the “war on terror.” The world is no longer out of practice when it comes to war—about whether and how wars can be prevented or, once under way, can be stopped. That’s not for lack of effort. In fact, some of the most important new scholarship on 21st-century warfare is taking place close to home, in the College of Liberal Arts at the University of Minnesota. Poole interviewed four young university scholars, each of whom seeks to understand and to educate us about war in the new millennium. One is studying why modern civil conflicts last so long—in a word, are “durafied.” Another is studying the effects of American democracy on a prolonged “war on terror” and the erosion of civil liberties. A third has put her safety on the line to probe deep into the clan culture of an area of the world—Central Asia—that may rapidly become a new seat of radical Islam. The fourth is working, both through interviews and with boots on the ground, to understand the broader military and security implications of the Iraq War. Each of these scholars—sociologist Ann Hironaka and political scientists Roa Krem, Kathleen Collins, and Colin Kahl—tells a fresh and vital tale on modern conflict.
CREATIVE TEAM

Eugenia Smith, Editor
Andi McDaniel, Associate Editor
Emily Aldrich, Graphic Designer
UNIVERSITY OF MINNESOTA

COMMUNICATORS FORUM

2007 GOLD AWARD
MULTIMEDIA

Institute on Community Integration

Finding our Voice
Finding Our Voice tells the stories of American Indian students who are developing the leadership skills necessary to make a successful transition to life after high school. Four students — Brian, Brenda, Samo, and Valerie — share their experiences of positive personal growth and how their self-advocacy and goal-setting skills give them confidence to be leaders in their communities.

The students were filmed in a variety of settings, including the National Youth Leadership Training in Sandstone, Minnesota; Outward Bound Wilderness in Ely, Minnesota; and the transition conference, "Your Future Starts Now," at the University of Minnesota, Twin Cities.

Included on the DVD is a Resource Guide that provides:

- Discussion questions for youth and for staff development
- Lesson plans with activities that relate to specific scenes in the video

The video serves as an excellent companion to the transition curriculum, Expanding the Circle: Respecting the Past, Preparing for the Future.*

*Expanding the Circle: Respecting the Past, Preparing for the Future, funded as part of grant #290D000098 from the Office of Indian Education, Department of Education, under Title IV-D of the Indian Education Act.
Finding Our Voice
This program is about American Indian high school students who are in the process of developing leadership skills necessary to make a successful transition from school to adult life.

Four students – Brian, Valerie, Geno, and Brenda – are featured as they work through various stages of this transition process.
CREATIVE TEAM

Jerry Smith, Director/Producer/Editor
Bill Carlson, Director of Photography
Annie Humphrey, Composer/Musician
Connie Burkhart, Packaging Design
2007 GOLD AWARD CAMPAIGN

University Libraries

The Birth of Celebrity Culture in the City of Lights (1890-1900)
THE BIRTH OF CELEBRITY CULTURE IN THE CITY OF LIGHTS (1890-1900)

Free and Open to the Public
T.R. Anderson Exhibit Gallery
4th floor Wilson Library

An exhibition of materials from the German Rare Art Book Collection
February 9 - April 27, 2007

Presented by
The University of Minnesota Libraries
in conjunction with the Department of Art History

Wilson Library is located on the
U of M West Bank campus
The Birth of
CELEBRITY CULTURE
in the City of Lights
1890-1900

An exhibition of materials from the
Gorman Rare Art Book Collection
February 9 - April 27, 2007

Presented by
The University of Minnesota Libraries
in conjunction with
the Department of Art History
The Birth of Celebrity Culture in the City of Lights 1890–1900

An exhibition of materials from the Gorman Rare Art Book Collection. Presented by the University of Minnesota Libraries in conjunction with the Department of Art History

Examining the dependence of the modern celebrity upon print culture

Modern celebrity culture has captivated mass audiences through the construction of cultural icons that ultimately consist of little more than charisma, ink, and paper.

Drawing from period journals and other rare print material in the collection of the University Libraries, The Birth of Celebrity Culture in the City of Lights examines the dependence of the modern celebrity upon print culture.

From the notorious independence of actress Sarah Bernhardt, to the infamous affair of dancer Cléo de Mérode with Leopold II of Belgium, to the press surrounding the French feminist movement in the 1890s and the divisive Dreyfus Affair that gripped Paris in the same decade, the popular press in France

February 9 – April 27, 2007

Free and Open to the Public

T.R. Anderson Exhibit Gallery
4th floor, Wilson Library
309 19th Avenue South, Mpls. 55455
U of M West Bank campus
Parking Map.

Opening Reception
Friday, February 9, 4–6 p.m.
CREATIVE TEAM

Christopher James, Project Lead/Copywriter/Art Director
Mark Fox, Graphic Designer
Darren Terpstra, Project Manager
2006 MARGO AWARD

For the most elegant solution within the means available

Ureport Postcard

University Relations
CREATIVE TEAM

Ranja Yusuf, Co-Project Manager/ Graphic Designer
Gayla Marty, Co-Project Manager/ Senior Editor
Bill Magdalene, Copyeditor
Congratulations to the 2007 award recipients!