

# MAPPP

## Alumni Newsletter

*Collaborative education for a sustainable future*

**School of Community Design Smart Growth Urban Design Systems Integration Sustainable Design Real Estate Planning Development Urban Studies **Architecture** Community Design Smart Growth Urban Design Craft Integration Sustainable Design Creative Thinking Craft Preservation **Planning** Recycling Zoning Ecological Planning Colvin Institute Housing Transportation Planning Community Planning **University of Maryland** Real Estate Planning Development Urban Studies Architecture Planning **Preservation** Community Design Smart Growth Urban Ecological Planning Design Colvin Institute Housing Transportation Planning Real Estate Architecture Planning Preservation Smart Growth Creative Thinking Craft System Integration Sustainable Design Community Design Smart Growth Urban Design Systems Integration Sustainable Design Creative Thinking Craft Preservation Recycling Zoning Ecological Planning Colvin Institute Housing Design Urban Planning Creative Problem Solving Urban Design Systems Integration Sustainable Design Real Estate Ecological Planning Colvin Institute Housing Transportation Planning Real Estate Architectural Preservation Smart Growth Real Estate Design Systems Integration Sustainable Design Creative Thinking Craft Preservation Recycling Ecological Planning Colvin Institute Housing Design Urban Planning Creative Problem Solving Community Design Smart Growth Urban Ecological Planning Design Colvin Institute Housing Transportation Planning Urban Design Systems Integration Sustainable Design Real Estate Ecological Planning Housing Transportation Planning Real Estate**

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The *MAPP Alumni Newsletter* is a showcase of the achievements and activities in the School and serves to enhance the ongoing dialogue with alumni and friends. We appreciate your comments on this publication and encourage you to contact us at:

Christine Cestello Hinojosa  
School of Architecture, Planning and Preservation  
Development Office  
University of Maryland  
College Park, MD 20742

**Editor**

Maggie Haslam

**Assistant Editor**

Christine Cestello Hinojosa

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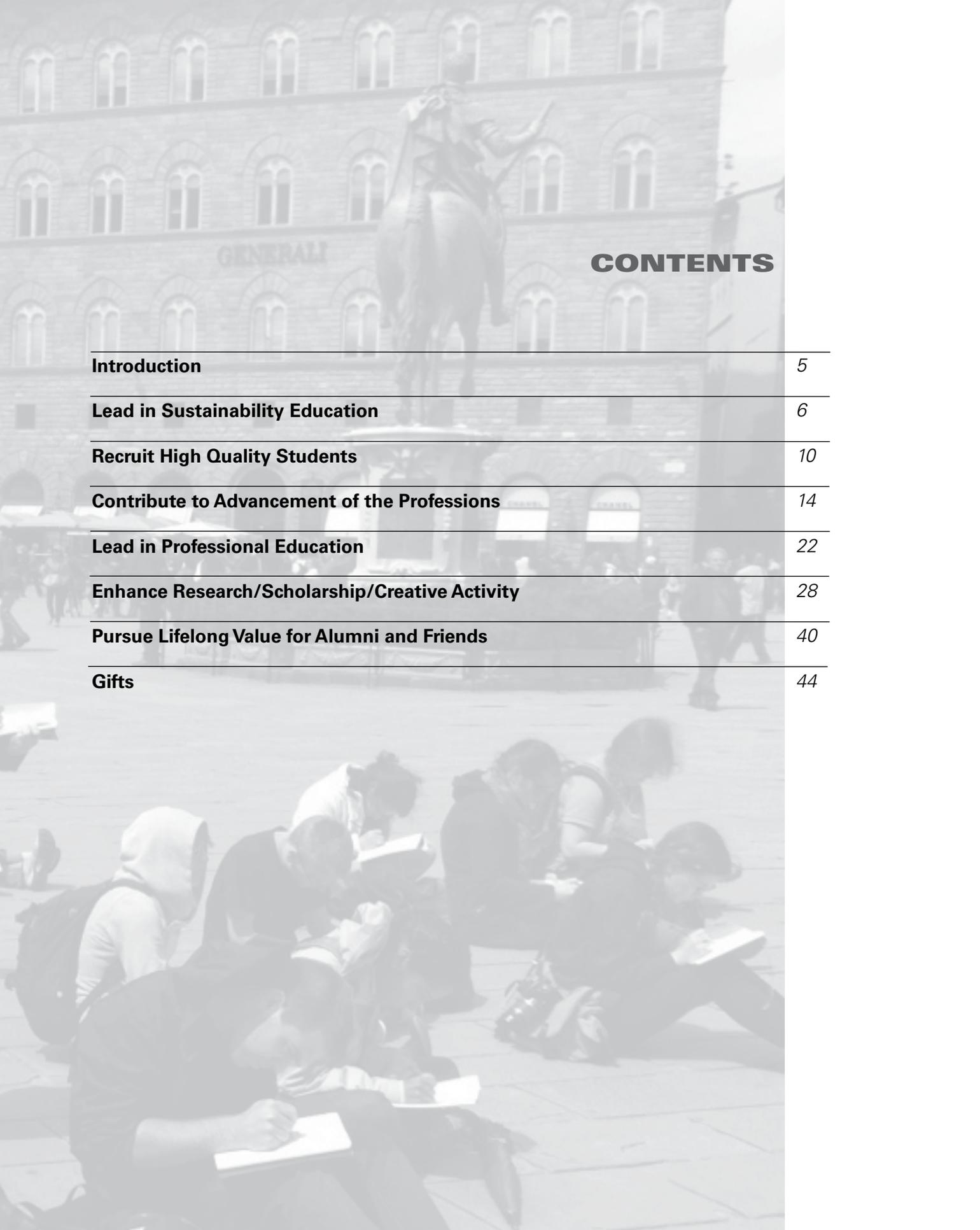


# MAPP Alumni Newsletter

*Collaborative education for a sustainable future*



Students in Rome with Professors Brian Kelly and Michael Ambrose.



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Dennis Pogue teaching a historic preservation graduate class.

## Introduction

Having arrived on campus three and one-half years ago, I am in the middle of my senior year as Dean of the School. During our time together the faculty and students have accomplished a great deal and have sown the seeds for even greater future success. However, this semester's newsletter operates much as an annual report, and like all such reports is not a simple summary of actions and events. Instead, it is a snapshot, taken at one moment, of a dynamic and changing enterprise. Even as you read this report, new things are happening that are leaving a MAPP mark on our professions and on higher education. It is the pulse and energy of the School that is so infectious to all of us who are part of its ongoing success. I am very proud of our many achievements this past year, and I am excited to share them with you.

A handwritten signature in black ink, appearing to read "David Cronrath". The signature is fluid and cursive, with a long horizontal stroke at the end.

David Cronrath, Dean

## Lead in Sustainability Education

One of the greatest challenges facing mankind this century is the environmental degradation of our planet. Teaching integrated curricula focusing on sustainability and exploring cutting-edge environmental solutions are the hallmarks of our programs. We continue to make inroads in these efforts through coursework, field and studio projects and the important work of the National Center for Smart Growth.

### ***Tapping UMD's Intellectual Capital for Maryland Communities***

In October, the National Center for Smart Growth and MAPP announced the development of a proposed new program that will combine student ingenuity, cutting-edge research and faculty expertise to deliver a fresh look at the unique challenges that face Maryland's communities. Modeled after the University of Oregon's Sustainable City Year Program, the Institute for Sustainable Maryland will combine efforts and expertise of several existing University Centers with targeted course work, student manpower and faculty expertise, while



Left: Gerrit Knaap and Dr. Sheri Parks, American Studies Associate Dean.

Below: David Cronrath and National Center for Smart Growth's Kim Ross.

Right: John Griffin, Governor Martin O'Malley's Chief of Staff and Kim Ross.



serving as the leading source for sustainable practice, training and assistance for state and local governments.

The signature program within the Institute is the Action Learning Program, a low-cost, custom-tailored partnership that connects Maryland city, county and other government entities with the vast and varied disciplines of the University. Under the guidance of UMD faculty, administration and researchers, related coursework is designed to tackle pinpointed challenges in partner communities, tapping into a variety of disciplines, including economics, architecture, engineering, business and public policy. The result is thousands of hours of dedicated work from a world-class university that places student, faculty and research knowledge at a community's fingertips, and concurrently creates valuable real-world problem solving experiences to both graduate and undergraduate students.

*The October symposium, sponsored by the Town Creek Foundation, was the University's first step in forging a conversation with stakeholders at state and local levels. Faculty and local government leaders from University of Oregon's Sustainable City Year Program, as well as faculty from universities running similar programs, presented detailed case studies of their successful active learning and outreach programs, demonstrating the profound impact of a university-community partnership. "The symposium was a productive first step in realizing the idea of combining active learning and sustainability at the University of Maryland," said David Cronrath, Dean of the School of Architecture, Planning and Preservation. "We are encouraged by the support this idea has had on campus and across the State."*



### ***MAPP Launches First Undergraduate Course in Real Estate***

This past fall, the Real Estate Development Program, with the support of the Colvin Institute of Real Estate Development, launched the first-ever undergraduate course in real estate at the University. The course, *RDEV 150: Introduction to Sustainable Real Estate Development*, acquaints students with the fundamentals of real estate development, sustainable design, planning and preservation. Clinical Associate Professor Al Tetrault led the fall beta test, which was funded by John Colvin, Principal at Questar in Baltimore, Maryland, and founder of the Colvin Institute of Real Estate Development. Specifically designed to provide a dynamic primer for students from multiple disciplines and academic trajectories, the course offered a foundational understanding of the interplay between real estate development and a city's culture and economy. Classroom instruction comprised just a portion of the course; students engaged in multiple field studies, from visual literacy exercises to demographics, visioning and financial realities. A course highlight was a day-long field trip to Baltimore, visiting sites and hearing from Mr. Colvin, as well as Abraham Rosenthal (B.ARCH '74), Dennis Jankiewicz (B.ARCH '73) and Tim Pula (UMD '91) about development around the Inner Harbor of Baltimore. According to Margaret McFarland, Director of the Real Estate Development program and the Colvin Institute,



Above: Students on a field trip as part of the first undergraduate real estate development course with John Colvin, who funded the course, and Dennis Jankiewicz, distinguished alumnus.

“The course was built on the premise that seeing real estate and understanding the breadth of the issues that a real estate developer faces—from geography and environmental issues to demographics and social and economic impacts—is the best introduction to sustainable development.”

### **NCSG Student Work**

This past year, several graduate and doctoral candidates have been enlisted to assist on key initiatives at the National Center for Smart Growth. Through the application of skills learned in their respective programs, including comprehensive research analysis, opportunity mapping and community engagement, these students are not only getting on-the-ground experience in their emerging profession, they are performing a vital service to ensure the success of several projects for the NCSG.

Chelsie Miller, a first year Urban Studies and Planning student, has spent this fall assisting with Langley Park, Maryland’s application for a Maryland “Sustainable Communities” designation. This special designation by the state provides under-served communities with a comprehensive package of resources designed to foster community revitalization in a sustainable way. Miller created maps for Langley Park community leaders to analyze the area, looking at demographics, poverty and employment, among other aspects, in order to help Langley Park build its action plan for the application process.

Eli Knaap, a Ph.D. candidate in Urban Studies, has put his propensity for GIS mapping to work for the Baltimore Opportunity Collaborative, a consortium of stakeholders—including the NCSG—charged with developing Baltimore’s Regional Plan for Sustainable Development. Pulling data from difference sources, Knaap has created a series of maps that pinpoint areas of opportunity for housing, employment or transit development to support the coalition’s goal of creating a more equitable and sustainable region.

*David Cronrath, Dean, is chair of a University-wide committee developing sustainability learning outcomes for all undergraduate students. The faculty committee is part of the Sustainability Council which advises the President, the Office of Sustainability and the campus community about issues related to the integration of sustainability into campus operations. Campus operations include the physical campus as well as the University’s core missions of teaching, research and service.*

## Recruit High Quality Students

Our students are the best reflection of our programs. Their successes and access to opportunities—both during their studies and after graduation—are of great importance to the school's faculty and staff, and eagerly celebrated; they also demonstrate the schools nurturing, enriching environment to new students and potential candidates.



### ***Architecture Student Brings Fellowship Honor to UMD***

This September, the National Center for Engineering Pathways to Innovation (Epicenter) awarded University of Maryland Master of Architecture candidate Valerie Sherry a 2013 University Innovation Fellowship. She is one of 21 students from universities nation-wide accepted to the program this year, and the first University of Maryland student ever to participate. The University Innovation Fellowship is part of a national effort to arm students with the knowledge and expertise to create, innovate and compete in a global economy. Work-

ing closely with fellowship colleagues and peers on campus, fellows mobilize their student body and create resources that foster innovation, entrepreneurship and cutting-edge creativity. Among the strategies Sherry will develop during her fellowship is a new on-campus initiative called the Maryland Design Impact Lab (mDIL), a dynamic environment for students across campus—from a variety of disciplines and class levels—to collaborate, generate and test innovative concepts and ideas. It aims to be a venue not just for idea collision but implementation and impact, nurturing action with social significance. "The work that Valerie will



Above: Valerie Sherry and Professor Steve Hurtt

Right: M. ARCH student, Christine Kandigian, participates as a critic in the new undergraduate general education course on design thinking.



undertake as part of this fellowship fits in perfectly with the University of Maryland's overarching goal of embedding innovation and entrepreneurship into the academic core of the University across every discipline," says Dean Chang, UMD's associate vice president for innovation and entrepreneurship. "Valerie's Maryland Design Impact Lab initiative embraces design thinking and 'startup incubator' experiences, two key elements the Academy for Innovation and Entrepreneurship also stresses in order to foster life-long innovators."

### ***Real Estate Development Program Unveils Mentorship Program***

In an effort to prepare students as they transition from school to the workplace, the Real Estate Development Program Student Organization (SoRED) teamed up with two Maryland alumni, Tom Burton and Rich Thometz, last spring to forge a new program that creates opportunities and relationships for MRED students, well before they leave the comfort of the classroom. The MRED mentorship program pairs UMD alumni and other professionals in the fields of real estate and development with students enrolled in the MRED program, creat-

ing opportunities for sharing, learning, and counsel in a variety of fields, from acquisitions to property management. Mentees gain the opportunity to meet with professionals, attend events or even shadow for the day. More importantly, they receive guidance from someone practicing real-world real estate. The program also provides a rewarding way for alumni to connect with students, give back to the school and engage with tomorrow's developers. "Most of us recognize that the folks who are students today will be our next generation of leaders," said Burton.

**Student Achievements:**

The United Institute of Peace awarded Ph.D. candidate Zubin Adrianvala the 2013-2014 Jennings Randolph Peace Scholar Fellowship. Adrianvala was one of only nine doctoral students to receive this honor. The 10-month \$20,000 fel-

*Professor Michael Ambrose has been appointed the Assistant Director of Architecture and will be responsible for undergraduate programs including recruitment, placement and student advising. This new position was created to advance undergraduate recruitment and graduation rates for undergraduates in the School.*



Above: 2013 Fall Interdisciplinary Tour of Prince George's County.

lowship will support Adrianvala's doctoral research and writing examining ethnic violence and its relationship to urban form.

Dr. Timothy Welch (Ph.D. '13) was selected by the Board of Regents of the Eno Center for Transportation as one of 19 graduate students from across the nation to participate in the 21st Annual Eno Leadership Development Conference this June in Washington, D.C.

Ph.D. candidate Naka Matsumoto won first prize in the Urban Studies category at this year's University of Maryland Graduate Research Interaction Day for her dissertation, "Recent Immigration-lead Neighborhood Changes: Is This a New Type of Neighborhood Change?"

Ph.D. candidate Christine Henry was selected for a 2013-14 University of Maryland Graduate All-S.T.A.R. Fellowship for her outstanding academic work and dedication as a graduate assistant.

M.ARCH students Julian Goldman, Emma Crenshaw, Mike Taylor, Jake Bialek, Mark Elliot, Tamir Ezzat, Eric Joerdens and Katrina McRainey won the Jury Prize for Most Realistic Design at the

2013 Philadelphia Center for Architecture Ed Bacon Student Design Competition.

The 2012 AIA Maryland Design Awards recognized the following students for design excellence: Award of Honor: Anthony Pizzo (M.ARCH '12); Design Citations: Dominic Aiello (M.ARCH '12), Cynthia Cheung (M.ARCH '12), David Ensor (M.ARCH '13) and Kevin James Vandeman (M.ARCH and MRED '12).

The 2012 Inter-School Design Competition at the National Building Museum honored the following students for their efforts on winning teams: Allison Palmadesso (B.S. Architecture '13), first-place team; Alexander Tahinos (B.S. Architecture '13), third-place team; and Insung Hwang (B.S. Architecture '13), honorable mention.

Scott Behrens (M.ARCH '12) won the national Architecture Research Centers Consortium King Student Medal for design research.



Below: MRED Clinical Associate Professor Al Tetrault (center) with 2013 Capstone students.

## Contribute to the Advancement of the Professions

The professions that shape our environment strive to create sustainable growth and positive change in the wake of enormous economic, environmental and social challenges from environmental degradation to urban sprawl. As a land grant institution, it is our responsibility to support these efforts through comprehensive research, innovative ideas and new perspectives. Our programs—as well as the centers housed within the National Center for Smart Growth and Environmental Finance Center—continue to produce a formidable amount of creative activity and scholarly research.

### ***WaterShed Continues to Serve as a Model for Sustainable Design***

Although the success of WaterShed—UMD’s first-place winning entry in the U.S. Department of Energy Solar Decathlon 2011—is now two years behind them, team members continue to lend their expertise and share their experiences around the globe. Most recently, Clinical Professor Amy

Gardner served as a juror for the architecture competition at the U.S. Department of Energy Solar Decathlon 2013 in Irvine, California. Joining her were former WaterShed Faculty Advisors (and ARCH alums) Brittany Williams and Brian Grieb, both who assisted in the competition execution. Brittany also spent six months in China this past spring overseeing the planning and execution for



Masters in Planning students Mike Limburg, Peter Hadley, Allison Forbes, Alison Wakefield and Cristina Huidobro present at the 2013 American Planning Association Conference in Chicago.

China's Solar Decathlon competition where she served as competition manager for the country's inaugural effort.

### ***Student Presentations***

Many of our students have shared their research and experience at professional conferences, symposia and other events this past year:

Ph.D. candidate Yu Qiao presented at the 60th Annual North American Meetings of the Regional Science Association International. Her presentation was titled, "Geographic Pattern of Establishment Survival: Evidence from the State of Maryland."

Ph.D. candidate Eli Knaap presented at three conferences this past year. He spoke about concepts and techniques of GIS mapping at the Joint ACSP/AESOP conference in Dublin, Ireland; gave

a presentation entitled, "Defining and Measuring Opportunity: A Conceptual Analysis from the Baltimore Region" at the Association of Public Policy Analysis and Management in Washington, D.C.; and most recently spoke on sustainability scenarios and equity at the Open Planning Tools Group Annual Symposium in Sacramento, California.

Ph.D. candidates Rob Jones and Meagan Baco gave a presentation entitled, "The Buffalo Skyway: Improvement and Reuse Options of the Best View in the City" at the Preserving the Historic Road Conference, in Indianapolis, Indiana.

David Gavin (M.ARCH '12) discussed sustainable architecture and his experience with constructing WaterShed with participants at a pre-competition workshop for the 2013 Eco House Design Competition (EHDC) in Oman.



Above: WaterShed Faculty Advisors Brittany Williams and Brian Grieb overlook the competition area at Solar Decathlon China. Williams managed China's inaugural competition held in August.

Urban Planning masters candidates Allison Forbes, Peter Hadley, Cristina Huidobro, Michael Limburg and Alison Wakefield presented their group's studio project, "Industrial Land Use & Infrastructure in the Baltimore Region" at the American Planning Association's National Conference.

Ph.D. candidate Cari Varner presented "Professional Education in Planning: An Overview of Offerings and Strategy to Move Forward" with Professor Marie Howland at the 53rd Annual Association of Collegiate Schools of Planning Conference.

Ph.D. candidate Christine Henry presented her paper, "Freedoms Lost and Gained: Entwining Prison History into the Future of Lorton Arts Foundation" at the SAH Latrobe Chapter 10th Biennial Symposium on the Historic Development of Metropolitan Washington, D.C. She reprised her presentation at the 40th DC Historical Studies Conference in November.

### ***Tackling the Challenge of Aging-in-Place***

In the next 20 years, nearly 80 million Baby Boomers will enter retirement. Of the many options available for post-retirement living, eight out of ten boomers desire to age in place or live out retirement years in their



Above: David Gavin meets with participants of the workshop for the 2013 Eco House Design Competition (EHDC) in Oman.

own home and community. Yet, despite this desire, aging-in-place is a lofty ambition that not many seniors will achieve. This past year, Clark Construction Group LLC commissioned 12 graduate students from the University of Maryland's Architecture program, under the guidance of Gensler Managing Director Jordan Goldstein and Professor David Cronrath, to define aging-in-place and find design solutions that would make this desired way of life more achievable. Unlike other options available today, the students' award-winning design project—named "The New Canaan Project"—mixes adaptable products and spaces with the comforts of home and community. Designed for a live site in New Canaan, Connecticut, The New Canaan Project delivers an innovative, adaptable home model offering both community and support for everyday living at every age. The hallmark of the project, coined "The New Canaan Catalog," is a kit of parts that allows homeowners the ability to create a personal design that addresses their specific needs and lifestyle. Each component—from intuitive entryways to moveable walls—is designed to transform and adapt to the various stages and challenges facing individuals choosing to age in place while exterior features, ranging from community sanctuaries to thoughtful street design, foster the sense of community and inclusion so vital for successful aging.



Above Left: Aging-in-Place studio participants Paul Myers, Marcus King and David Ensor present the project to stakeholders. The studio was taught in conjunction with Gensler-Washington, DC.



Right: The aging-in-place rendering for a site in New Canaan, CT.



Above: Brian Kelly, Director of the architecture program, with Joan Ockman and Mary McLeod.

Right: Philip Freelon, 2013 Kea Distinguished Professor.



### **Lectures and Special Events**

Conversations on Architectural Education and the Future of the Profession: This six-part Architecture lecture series gathered seasoned practitioners, emerging professionals and innovative educators to discuss, debate and examine the future of architectural education.

- Joan Ockman, Distinguished Senior Fellow in the School of Design at the University of Pennsylvania and Mary McLeod, Professor of Architecture from Columbia University - "The Legacy of Architectural Education in the 20th Century"
- Kiel Moe of Harvard University, Cammy Brothers of the University of Virginia, Hansy Better of RISD, William O'Brien, Jr. of MIT, Richard Garber of NJIT and Anthony Titus from Rensselaer Polytechnic Institute - "possible >futures(s) of architecture"
- Renee Cheng, University of Minnesota; Billie Faircloth, Kieran Timberlake; Daniel Friedman, University of Washington; and Michael Monti, Association of Collegiate Schools of Architec-

ture - "Is Architectural Education Today Sufficient to Prepare Tomorrow's Practitioners?"

- Robert Ivy, FAIA, Executive Vice President and CEO, American Institute of Architects - "Take Five: Should Architectural Education Change?"
- UMD alums Glenn Birx, Jordan Goldstein, Stephen Parker, Mary Rose Rankin and Al Rubeling - "Views from the Front Lines: Maryland Alumni Perspectives on Education and the Profession"
- Jacob Day, former AIAS National President, Eastern Shore Land Conservancy; Anna McCorey, Former AIAS National boardmember and NOMAS officer; Anthony Vanky, former AIAS National Vice-President; and Tyler Ashwork, Moderator, Past-President, AIAS - "Emerging Perspectives on Architectural Education and the Profession"



Above: Gary Rappaport (right), speaks to students about retail investment properties.



Left: Dr. Martin Wachs, Senior Principal Researcher at RAND Corporation, was the fall 2013 LeFrak lecturer.

*Sustainable Tuesdays:* The popular lecture series spearheaded by Professor Ermitus Ralph Bennett, examines sustainability issues facing the built and natural environments, returned this spring with a roster of topics and speakers covering campus issues, transportation and smart growth concerns.

*MAPP Brown Bag Series:* Created three years ago for University faculty and students, the lunchtime lecture series covers topics ranging from the environment to technology, fostering lively discussions and debates. This year, an offshoot of the program initiated by the National Center for Smart Growth took the series to an exciting and accessible new level with live web broadcasts. The NCSG webinars, which take place about once a month, share exciting lectures and cutting-edge research, previously only afforded to the University community, with a global audience.

URSP Technology and the Community Series: In conjunction with the Urban Planning Programs inaugural “Code for Community” contest, this spring lecture series examined the role of technology in addressing community issues, creating cross-agency collaboration, fostering education and innovation and making great neighborhoods.

Samuel J. LeFrak Spring 2013 Lecture: Dr. Sandra Rosenbloom, Director of the Urban Institute’s Innovation in Infrastructure program “Is Perfect the Enemy of Good?”

MAPP Lecture: Craig Spangler, AIA - “Changing Equations.” Mr. Spangler was the 2012 Kea Distinguished Professor.

MRED Lecture: Gary Rappaport, CEO of Rappaport Companies - “Investing in Retail Properties”

Public Interest Design Training Program: The Public Interest Design Institute (PIDI), held a two-day training and certification course at UMD this spring, offering students and design professionals the tools needed to engage in the rapidly growing field of social design.

## Gallery Exhibits and Lectures

Running in tandem with gallery exhibitions of their work, the gallery lecture series hosted a group of artists, designers and public art administrators. Topics included performance art, public interest design and technology.

Fall:

- Brian Ambroziak and Andrew McLellan, co-founders of Time[scape]lab - *Confabulatores Nocturni*
- Lukas Schweingruber, Schweingruber Zulauf Landscape Architects, Zurich, Awitzerland, *The Swiss Touch in Landscape Design*
- Powell Draper - *Crossing the Potomac: the Bridges of Washington, D.C.*
- Dr. Marie Howland, Professor Luis Quiros and Students - *Reinventing the Industrial Belt: Propositions for the Gasholder Site in Saint Petersburg, Russia*

Spring:

- Evan Roth (B.S. Arch '00), Artist - "Public Space, White Walls and the Internet" (in conjunction with his exhibit, *Casual Computing*).
- Bryan Bell, founder, Design Corps - *Public Interest Design* (in conjunction with the exhibit Excellence in Public Interest Design: 2012 SEED Award Winners)
- Anne Delaney, Initiative for Public Art, Reston; Angela Adams, Arlington Arts; Liesel Fenner, Americans for the Arts; and Mary Konsoulis, Curator - *Public Art and Placemaking* (in conjunction with the exhibit Reston: The Art of Community)
- Isabelle Gournay - *Contemporary Architecture in Time*



Above: Fall 2013 Kibel Exhibit, *Building the City Anew: Hamburg, Germany*, in partnership with the Goethe Institute.

Left: Area experts in public art and design participated in the panel discussion, "Reston: The Art of Community," in the Kibel Gallery.



Above: MAPP Alum Evan Roth's Exhibit, *Casual Computing*.

Left: Linear Gallery Exhibit highlighting MAPP study abroad experiences

Below: Director Brian Kelly meeting with students at the Linear Gallery opening highlighting MAPP study abroad experiences.



## Lead in Professional Education

Preparing students for professional success goes beyond the textbook. Moreover, it takes practice, experiences and exposure to new and varied perspectives to be successful. Hands-on “live” projects continue to test our students’ knowledge by putting concepts into practice. Interdisciplinary work gives them collaborative experience and provides a venue for continued learning. Going beyond the discipline to educate students in communication, organizational and interpersonal skills preps them for success in school and in life.

### **North Beach Project**

Sea levels on the Chesapeake Bay are projected to rise nearly three feet by the end of the century, a statistic that has many bayside towns examining ways to prepare for a changing coastline and the economic and environmental ramifications that will follow. One such town is North Beach, Maryland. Striving to preserve its tight-knit community while fostering vibrant economic development and tourism in the wake of frequent coastal flooding, North Beach was the subject of a newly piloted studio design course last spring that focused on sea level change. Under the guidance of Assistant Professor Luis Quiros, 42 undergraduate architecture students engaged in a deep-dive of the town’s maps, data and records, working close-

ly with local officials to balance the town’s needs and desires. Blending research with community input and professional feedback, the students developed six possible master plan scenarios that would build tourism and enliven the community, while protecting North Beach against sea level encroachment. Quiros is planning a similar studio with Assistant Professor Jana Vandergoot for the spring in Salisbury, Maryland. “It would be difficult for me to put into words how much the council was impressed with UMD’s planning, organization and presentation,” said Mark Frazer, Mayor of North Beach. “The concepts were exciting and stimulating. The council and residents viewed “our town” in a way we never had before.”



North Beach project, an action learning studio that involved 42 undergraduates. Left: Students take a tour of North Beach, Maryland with town leaders.

Above: Professor Quiros introduces early analysis conducted by students at a community meeting.

Right: A student proposal for a new public facility in downtown North Beach.

### **National Park Service Field Surveys**

An ongoing partnership between the Historic Preservation Program and the National Park Service (NPS) continues to create meaningful and challenging “on the ground” field work opportunities for graduate students, documenting the conditions of hundreds of historic buildings and structures throughout the National Capitol Region (NCR). Over the past two years, students have engaged in the painstaking process of auditing over 150 miles of government land spanning the George Washington Memorial Parkway and the C & O Canal. Working primarily on foot, the students have assessed over 800 sites, including lockhouses, culverts, sculptures and drainage systems. This winter, students will begin surveying the hundreds of monuments that dot the Antietam Battlefield. The work is undoubtedly mutually beneficial; the extensive reports provide the NPS with first-hand conditions of historic assets and provide the students an invaluable hands-on experience. Explains Martha Temkin, Cultural Resource Specialist, NPS-NCR, “These condition updates not only keep a record of our historic resources, but they allow us to observe and monitor changes over several years. It is a vital service for NPS.”

### **Examining Town-Gown in College Park**

This summer, an urban planning studio took a 20,000-foot look at the University of Maryland and its home of College Park, as it plans for future revitalization and looks to strengthen the city/university or “Town-Gown” relationship. Led by Urban Studies and Planning (URSP) Program director Jim Cohen, planning graduate students Eli Knaap and Aviva Brown examined the types of impediments facing UMD and College Park on the path towards creating a more vibrant and livable “university district” for students, faculty, staff and city-dwellers.

### **New Interdisciplinary Course Tackles Transportation and Land Use Challenges**

Last fall, an interdisciplinary field course debuted in partnership with the U.S. Department of Transportation’s Federal Highway Administration. *Sustainable Context Sensitive Solutions for Land Use Development, Design and Transportation* connected students and faculty from the Masters of Real Estate Development, Historic Preservation, Urban Studies and Planning, Landscape Architecture and Engineering programs to evaluate land use and transportation challenges at four sites in Prince George’s County. The unique opportunity places students in an interdisciplinary ground-level



*The National Council of Architectural Registration Boards (NCARB) has named Dean David Cronrath to the Licensure Task Force (LTF), a diverse team of professionals whose aim is to explore alternative paths to licensure that eliminate redundancy and deliver a more condensed timeline without sacrificing education and experience. The team will closely examine the various markers to licensure—including the ARE and internships—in partnership with the academy, the licensing boards and the professional industry.*

learning experience, glean knowledge from federal officials, industry leaders and each other.

### **Helping Students Put Their Best Feet Forward: Communications Instruction**

Last year, the University approved a proposal spearheaded by Professor Madlen Simon and Dean Cronrath to fold the general education requirement for communications into the architecture undergraduate studio sequence. Students may now meet the three-credit requirement through public speaking work over the course of four studio courses, engaging in communications work as part of the natural environment of studio presentations. To support them in this effort, MAPP faculty and staff are assisting students in developing their communication skills and gaining confidence while speaking in front of an audience. This includes oral communication, organization and presentation techniques. Using mid-term presentations as a “first look,” students gain feedback from faculty and peers on critical skills

such as organizing one’s thoughts, addressing an audience and using correct body language. These skills are then refined through support and practice with studio faculty before a final, graded presentation at semester’s end. In the spring, the studio courses coordinated with the University’s Communications Department to offer a public speaking workshop for juniors and seniors to further explore these skills.

### **Oriented Students for Success: URSP Boot-camp**

This past August, the Urban Studies and Planning Program debuted a new workshop for incoming first-year graduate students, geared to readying them for the rigors of graduate school and providing them with the skills they will need for success. The two-day urban planning “boot camp,” which took place the weekend prior to the beginning of formal classes, offered a series of modules that focused on both communication and technical skills. Faculty, with the help of the



Above: An *Arch 405* presentation to community leaders and professionals is a part of the oral communication requirement for the general education curriculum.

Right: Professor Mady Simon teaches *Arch 270- Design in Practice*, a course for non-majors that teaches design thinking.



University's Oral Communications Center, worked with students to hone their oral communication, written and graphic presentation skills. Professor Alex Chen and Assistant Professor Hiro Iseki prepped students in the essentials of spreadsheet and mapping software, technical skills they will be using regularly during their tenure. The workshop also provided a venue for students within the cohort to get to know one another and engage in some collaborative assignments before the start of school. "It was an excellent primer for the start of grad school," notes first year URSP student Chelsie Miller. "It was a great opportunity to get to know and work alongside my peers, which made me feel more prepared going into my first year."

### **Study Abroad 2013**

*England*

*Turkey*

*Ethiopia*

*Italy*

#### ***Architecture Students Aid Humanitarian Project in Ethiopia***

In January, architecture undergraduate students Drew Armetta and Ben Diaz joined a returning group of UMD engineering students from the University of Maryland chapter of Engineers Without Borders (EWB-USA) for a sustainability project in Addis Alem, Ethiopia. This was the first time in the history of UMD's EWB-USA chapter that architecture students joined a project team. The project, which was phase three of a multi-year initiative with the small Ethiopian village, focused on the village marketplace. Working closely with the community, the team implemented solutions to control storm water runoff through water conveyance and treatment, as well as a design revamp of the marketplace vendor stalls.



*Undergraduate architecture students Drew Armetta and Ben Diaz designed and built a new market stall concept (left) for the Ethiopian village of Addis Alem, the first architecture students to join the humanitarian efforts of UMD's Engineers Without Borders.*

### **Leading the Way in “Tech Teaching” Through New Urban Planning Blended Learning Course**

Social media has done more than revolutionize the way people communicate; it has spawned a vast, almost unthinkable amount of data that—when harnessed with the right technology—can help influence a city’s operation and shape. Last spring, the Urban Planning Program created a new graduate-level course as a first step to bring this technology, and other digital planning tools, into the forefront of the curriculum. *URSP 688L: Planning Technologies*, developed by Dr. Chao Liu and Ph.D. Assistant Eli Knaap, introduces several basic technologies vital to planners in a variety of fields, including smart growth, city planning or transportation policy.

It is the first of its kind at UMD and one of only a handful offered in the country. With a special focus on GIS, the ultimate data-mining tool, it also spans a variety of other technologies that help planners harvest data from online forums and expands the planner’s everyday tool belt to include technologies like video-sharing and online surveys. With a grant from the School, Chao and Eli fine-tuned spring’s pilot course for the fall to incorporate blended learning techniques such as online

lectures and problem-solving webinars between peers. Here, Chao and Eli talk about the value of planning technology in today’s practice and the clear benefits of blended learning in tomorrow’s classrooms.

*GIS course to graduate students. What makes this class different?* **Eli:** Previously we offered the GIS class as an elective and it was very popular. We wanted to look at ways that we could teach an introduction to GIS and then maybe offer another advanced course. That’s when we started thinking about planning technologies. What makes this class different is it’s an entirely new set of material. It serves as an intro to GIS but also covers a range of technologies used by planning practitioners, like planning decision support systems like Invision, UrbanSim, Community Biz and Index. This software helps planners make development decisions that let you see what trade-offs might look like under different development patterns.



**Chao:** We did quite a bit of research to design this class. We attended several APA events and listened to speakers talk about useful technologies in planning. We looked at syllabi from other planning programs around the country. We also invited Jennifer Cowley at the Ohio State University to give us a talk on planning technologies at the Brown Bag Series lectures. The concept is

*The Planning Program has previously offered a*

still very new, as there are maybe three or four other programs in the country offering this type of class, so information was limited.

We tried a very small pilot of the class last spring. Around that time, the dean was giving money to people who wanted to develop an online, blended or hybrid course that provided a more innovative way of delivering the material. We felt incorporating blended technologies was an obvious fit because it's a technology-based class.

*How has the blended learning aspect changed the way you teach the material?:* **Eli:** So far we've found that the technology is a very useful component. Programs, such as Adobe Connect, allow dual teaching, where one of us can be cycling through the lecture slides while the other is taking notes that everyone else in the class can see.

**Chao:** We also are able to get quick feedback from students. With a poll module, we ask a question and get immediate feedback on a part of the class.

**Eli:** It's like asking people to raise your hands, except it's anonymous, which is good. You don't have the snowball effect you get with hands in the air.

**Chao:** That's why sometimes the results surprise us. We also have a chat box. Normally people don't want to talk; this allows students to ask questions quickly and easily.

*Which aspects do you think students find most appealing?:* **Eli:** We record each class, so if a concept is reviewed too quickly, students can access it easily on ELMS. And with GIS, it's very useful to watch someone do it. Books are nice, because they have good screen shots, but unless you see someone physically go through the steps, it can be really difficult. Now, when students get home they can hit rewind, play us back and make sure they understand the concepts.

**Chao:** Most importantly, we didn't want to completely get rid of this face-to-face portion. It's really important. Instead, we are alternating weeks, online and offline. The offline, in-person classes let us bring up other conversations of topics that come up from the previous online week. A lot of our students like this face-to-face interaction.

*How is the prevailing use of technology changing*

*the landscape of urban planning?:* **Eli:** We're sort of in the era of big data. People have cell phones that are constantly transmitting data, there are sensors in your car and on the highway and all of those contribute to more information about the city. One of the big ideas behind the planning technology course is: how do we harness all of that information and make use of it in a meaningful way? It might mean understanding what people think about a specific development project, like the purple line, though a social network analysis or characterizing commute patterns by where people check in on Four Square. The idea is to be creative and take advantage of the wealth of data that we have at our disposal. The other thing is that planners work in a variety of fields; you might be a community developer or an organizer. And, if that's the case, then you need to know how to get in touch with people through electronic means, the Internet. If you are a regional planner, you might have to do some scenario analysis and you might need some special software to help you do that. In almost any field, you need to know GIS. Therefore, technology has permeated every single level of what planning is about. Each planner in his own right uses different aspects of technology, but everybody needs some sort of software and that's the idea behind this.

**Chao:** I think technologies also open up another way to retrieve information and communicate with others. That's why we're teaching students techniques like retrieving twitter data and plotting it. I also think the more technologies you have in your arsenal, the better you are able to make your case for change. For instance, if you are giving a presentation about traffic patterns and are just using GIS to make a map, you might not be making the best case for your story; you need to have another tool to facilitate the conversation. Shooting video or taking photos from the neighborhood can make your story more compelling. That's why, for our final project, we ask our students to use GIS plus at least another planning technology. Students are tackling things like gentrification in DC or bike share analysis. They will use these concrete skills immediately in the workforce.

## Enhance Research/Scholarship/Creative Activity Efforts

Supporting professional endeavors, whether research-based, creative or professional, are part-and-parcel with developing an enriched, innovative and advanced faculty. The school continues to support efforts pursued by our faculty by sponsoring symposia and exhibits at home and participation in conferences and workshops abroad. How we celebrate these endeavors—and often, the achievements that follow—are a way the school continues to both encourage these activities and support our school community. Nurturing our instructors through mentorship and travel opportunities and furthering their practice through advanced teaching methods—like blended learning and technology in the classroom—strengthens our programs as a whole.

### **Faculty Professional Achievements:**

Professor Emeritus **Karl Du Puy** led his fourth faction of students on a semester abroad to the United Kingdom this past spring. The 16-week trip provided both graduate and undergraduate architecture students an opportunity to travel, study, sketch and thoroughly involve themselves in the cultures of England, Scotland and Wales. The students experienced residence life at the Maryland Study Centre at Kiplin Hall, which served as the group's home base. In addition to his annual trip abroad, Professor Du Puy continues to teach Urban Development and Design Theory (Arch 654)

at MAPP as well as at The Catholic University of America.

This past fall, Lecturer **Andrew Pressman** received an AIA|DC design award for his "Design and Naked Mole Rats." A new book penned by Pressman releases this month entitled, *Design Relationships: The Art of Collaboration in Architecture*.

Assistant Professor **Luis Quiros** presented several papers this past year on topics ranging from designing for sea-level change to challenges



From left to right: Luis Quiros, Matt Bell and Hooman Koliji.

in Latin America at venues including the ACSA conference, the “R+R 2013 Reclaim and Remake International Symposium” at Catholic University and the Subtropical Cities Regional ACSA Conference. He also published a paper on the future of architectural education in DOMUS Magazine for Central America and the Caribbean. He was an invited project reviewer at both Syracuse and Columbia University and completed a residential project with his firm in Costa Rica. Quiros organized the fall symposium, “Conflict and Convergence: Urban Informality in Latin America,” which brought together experts and academics from around the world to discuss the challenges of informality in the urban realm. Quiros, who received funding from this year’s Junior Faculty Award, will travel to Rio de Janeiro and Medellin in 2014 to further research this topic.

In February, Professor **Matthew Bell** was elected to the American Institute of Architects (AIA) College of Fellows (FAIA). He is one of 122 members elevated this year out of 80,000 AIA members. This prestigious honor recognizes Bell’s extensive contributions to the advancement of the profession through teaching and practice. Learning by Design also recently awarded Bell the Grand Prize

in its annual National School Design Awards Competition. The prize recognizes his work as Design Principal in the redesign of Washington, D.C.’s iconic Dunbar High School, the first African American public high school in U.S. history. The project transformed a once nearly windowless building into a light-filled, sustainably designed and articulately appointed learning institution.

Assistant Professor **Hooman Koliji** has filed for a provisional patent for a new, innovative “vertical farming system” design that allows the integration of softscape as a way to both define spaces and source food. This concept, coined “hortitecture,” spurred a collaborative research and teaching project with the Plant Sciences Department this past spring and has several potential implications, both on and off campus, for the coming year. In addition to several writings and a commissioned design project for a restaurant in Blacksburg, Virginia, Dr. Koliji presented papers this past year at the Society of Architectural Historians Annual Meeting and Conference and the Council of Educators in Landscape Architecture. He also acted as session co-chair at the Society of Architectural Historians Annual Meeting and Conference in April.





Left: Professor Garth Rockcastle's design for the Drexel University College of Media Arts and Design.  
Above: Powell Draper

Professor Emeritus **Roger Lewis** recently received the 2013 John Wiebenson Award for Architecture in the Public Interest from AIA|DC. In September, The American Institute of Architects showcased a collection of Lewis' cartoon commentaries on the built environment in an exhibition entitled *The Design Comedy*. Professor Lewis will also be lending his illustrations to the *AIArchitect's Home Design Trends Survey* series of economic reports. A third edition of his book, *Architect? A Candid Guide to the Profession* was released this fall by MIT Press. Lewis continues to pen a column for the *Washington Post* called "Shaping the City" and regularly appears on *WAMU's The Kojan Show*.

Last fall Dr. **Margaret McFarland**, Director of the Real Estate Development Program, presented to the Latin American Real Estate Society on Multidisciplinary Real Estate Education in Sao Paulo,

Brazil. She continues to support the professional development of her students through mentorship and sponsorship, this year through trips to the Urban Land Institute's Fall National Conference, the International Council of Shopping Centers and NAIOP Capitol Real Estate Case Competition. Dr. McFarland also developed and executed a multidisciplinary graduate course last fall addressing land use and transportation with context-sensitive solutions at the request of the Federal Highway Administration. She continues to act as Editor-in-Chief for *The Real Estate Review*, which releases quarterly, and is serving a five-year term on the American Real Estate Society's Board of Directors.

Assistant Professor **Hiro Iseki** completed a funded research study this past year entitled the "Examination of the Pricing Structure of Toll Facilities by Vehicle Class to Account for Social Costs



Above: Professors Isabelle Gournay and Ronit Eisenback at an opening in the Linear Gallery.



Right: Real Estate Director Margaret McFarland

of Driving and Its Effects on Traffic, Toll Revenue, Emission, and EASL." The study was published by the Center for Integrated Transportation Systems Management (CITSM) of the University of Maryland. Professor Iseki also presented at the 12th World Conference on Transportation Research (WCTR) in Rio de Janeiro, the Transportation Research Board (TRB) 92nd annual meeting in Washington, D.C. and the 53rd Annual Conference of the Association of Collegiate Schools of Planning. He co-authored two papers, "Spatial Analysis of Surface Parking Lots Location and Cityscape Preservation" and "Multi-entity Perspective Freight Demand Modeling Technique: Varying Objectives and Outcomes," both which were presented at conferences this year.

Assistant Professor **Powell Draper** co-authored a paper entitled "Santiago Calatrava's Alamillo Bridge and the Idea of the Structural Engineer

as Artist," which ran in the October issue of The American Society of Civil Engineers *Journal of Bridge Engineering*. Professor Draper's students in the *Bridge Design Seminar, ARCH478/678*, designed and built a prototype bridge intended to serve a local campus need. Situated in the Great Space, the bridge was sustainable (found lumber and bamboo) and interactive (the bridge lit up in response to movement).

Professor **Ronit Eisenbach** continues to curate a successful and diverse gallery series, which this past year included alumnus and "Hacktivist" Evan Roth, public art in Reston and SEED award winners from the Public Interest Design Institute. This past year also marked the completion of the documentary film, *The Radiant Sun: Designer Ruth Adler Schnee*, co-produced along with an exhibition of Schnee's work by Professor Eisenbach as a way to celebrate and elevate Schnee's



Left: Amy Gardner and Peter Noonan in studio.

impact on the design world. The film screened in multiple venues around the country and has been distributed by the Beverly Willis Architecture Foundation. Professor Eisenbach was also the recipient and principal investigator of an interdisciplinary ADVANCE seed grant to create a new installation/performance for the community of Long Branch in Montgomery County, Maryland. The installation is part of a new research initiative on the catalytic role that temporary art and performance can play in re-conceptualizing and generating public dialogue about the past, present and future of sites-in-transition. Personal professional exhibits include "Out of Place," which was presented at the Public Interest Design Institute and "Surfacing - Experiments in Situ" at the C&O Canal in Georgetown.

The AIA Maryland Chapter awarded an Honor Award to Professor **Garth Rockcastle** and his firm MSR for their design of the Drexel University

College of Media Arts and Design, a project also written about last fall in *The Philadelphia Inquirer*. The project was also presented at the Society of College and University Planners Mid Atlantic Conference in April. *Architect Magazine* recognized Rockcastle's firm in July as one of the top 50 firms in the nation. Professor Rockcastle was also appointed as a 2013 Bowman Visiting Design Juror and Lecturer at Kansas State University School of Architecture and served on juries for the Society of American Registered Architects and the Mountain States American Institute of Architects Honor Awards. Eight of Professor Rockcastle's independent art works were featured at the Form + Content Gallery, Minneapolis, Minnesota.

**Jana Vandergoot** joined the School this fall as an Assistant Professor of Architecture. In her short time here, she wrote an article "Table in Rome" for the September issue of *The Classicist Journal*



Above: Ribbon cutting of Dunbar High School designed by Matt Bell and his firm, Perkins Eastman.  
 Right: Brian Kelly, Director of Architecture Program.



and received a MAPP junior faculty grant, which she will use to research a book manuscript, *Architecture and the Forestry Aesthetic*.

**Peter Noonan** continued to win accolades for his design of the Town of Somerset’s Pool House this past academic year. Noonan and his team at McInturff Architects were awarded an AIA Maryland Honor Award, an AIA|DC Chapter Award, a North American Wood Design Honor Award and an AIA Potomac Valley Honor Award.

Professor **Brian Kelly** joined the board of directors for the National Architectural Accrediting Board in October, the sole agency authorized to accredit U.S. professional degree programs in architecture. He will serve a three-year term.

Professor **Isabelle Gournay** work appeared in publications including the *Journal of the Gilded*

*Age and Progressive Era*, and she presented at several venues including Columbia University and the University of Pennsylvania.

Clinical Professor **Amy Gardner**’s firm, Gardner Mohr Architects was awarded a “Best of Houzz” Design Award, based on work that was most popular amongst the Houzz online community. Her firm also completed a major residential project, a sustainable “tree-house”- inspired home in suburban Maryland. Two of her projects will be in a chapter on green kitchen design in a forthcoming book called *The Kitchen Bible*. Professor Gardner served as an architecture juror at the U.S. Department of Energy Solar Decathlon 2013 and presented at the Eco House Design Competition workshop in Oman. She also presented with Pepco colleagues and WaterShed Faculty Advisor Brian Grieb at AIADesignDC 2013.



### ***New Faculty***

This past semester, the School welcomed two new faculty: Dr. Willow Lung-Amam and Jana Vandergoot, RA. They bring with them an impressive range of experience and interests, and we are proud to have them join our MAPP faculty.

**Dr. Willow Lung-Amam** joined the Urban Studies and Planning Program in the fall as an Assistant Professor. A 2007 graduate of that same program, Dr. Lung-Amam focuses her scholarship on the link between social inequality and the built environment. Her work looks at immigration and diversity in American cities and suburbs, along with social and environmental justice issues as they relate to the built form of cities, urban policy and planning practice. She teaches a graduate course entitled “Planning and Design in the Multicultural Metropolis.” Dr. Lung-Amam is also a faculty affiliate with the University of Maryland’s Consortium



for Race, Gender, and Ethnicity and a member of the Qualitative Research Interest Group.

**Jana Vandergoot** joined the Architecture Program as an Assistant Professor. An award-winning licensed architect and founding partner of Vandergoot Ezban Studio, her work and research focuses on the intersection of architecture and landscape, specifically on food systems, forestry practice and the ways in which buildings act as extensions of larger urban ecological networks. Professor Vandergoot previously taught at the University of Virginia, where she also received her Master of Architecture. She also holds a Master of Landscape Architecture from the Harvard University School of Design.



*Outstanding faculty teaching awards were presented to Cynthia Fields, Isaac Williams, and Don Linebaugh. The outstanding teaching award is given annually to the outstanding teachers in the School.*

## ***Research Highlights:***

### *Maryland Smart Energy Communities*

Since January of 2013, the Environmental Finance Center (EFC) has been working closely with the Maryland Energy Administration (MEA) to launch and implement the Maryland Smart Energy Communities (MSEC) program. Modeled after the Massachusetts Green Communities program and, in part, the EFC-run Sustainable Maryland Certified program, MSEC is a grant-based initiative designed to support the county and municipal level energy efforts with funds from the Strategic Energy Investment Fund via the Regional Greenhouse Gas Initiative. In this inaugural year of the program, the EFC is providing technical assistance to 35 communities including small towns, major cities and counties that will result in the disbursement of more than \$4 million to support local-level energy reduction projects. Through this collaboration with MEA, EFC is reinforcing and expanding its network of community relationships throughout the State and rapidly growing its energy knowledge base.

### *Lancaster County Municipal Stormwater Financing Feasibility Study*

The EFC provided technical assistance to six municipalities in Lancaster County, Pennsylvania, to assess the community's existing municipal storm-



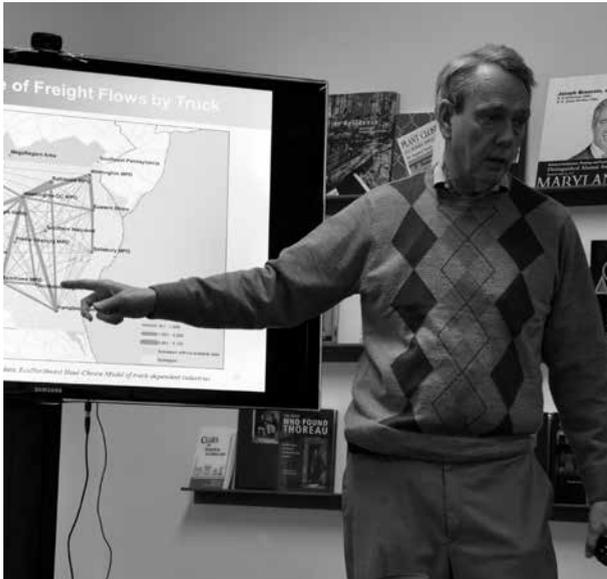
water program and provide financing recommendations to help them manage stormwater more cost effectively. The EFC's goal was to enhance each municipality's existing program and identify ways that municipalities in Lancaster County and beyond can work collaboratively to manage stormwater. Because of this study—sponsored by the Lancaster County Clean Water Consortium (LCCWC) and funded by the National Fish & Wildlife Foundation's Local Government Capacity Building Initiative—each municipality received an individual analysis that highlighted the current level of service being provided to its community. The EFC also offered specific recommendations to help those communities enhance the level of service using cost-effective techniques and a recommended financing structure to manage stormwater beyond 2013.

*UMD/Morgan State EDA University Center Partners with Baltimore City to Improve Economic Development Planning*

This past year, the University Center at the University of Maryland School of Architecture, Planning and Preservation worked in partnership with the City of Baltimore's Department of Planning and its Office of Research and Strategic Planning to identify opportunities for improving the effectiveness of economic development planning in the Baltimore region. As part of this partnership, Professor Scott Dempwolf, Ph.D., directed graduate students on two projects concentrating on the city's Comprehensive Economic Development Strategy (CEDS) and the growing potential of regional innovation and manufacturing networks. They first evaluated the City's existing CEDS and potential investment impacts on a variety of demographic and economic indicators. Based on this evaluation, Dempwolf and his team were able to recommend strategies to improve future economic development processes and evaluation methods. The second project, a fall community planning studio, focused on patterns of industrial land use, transportation and other infrastructure within Baltimore City and the metropolitan region, to assess the potential for a re-emergence of manufacturing and exports as a strategic priority. The City of Baltimore incorporated the University Center's work into its CEDS planning process this past spring.

*Research Strategies for a more Economically Vibrant Maryland*

This past summer, the Maryland Economic Development Commission invited University Center director Scott Dempwolf to present the University Center's research on innovation networks and regional innovation clusters. Dr. Dempwolf's presentation focused on the problem of inadequate metrics for developing and guiding strategies for innovation driven growth, including new metrics and methods being advanced by the Center. Dr. Dempwolf was



also asked to share the Center’s research with the University System of Maryland’s (USM) Board of Regents.

#### *The Purple Line Corridor Coalition*

When the Maryland Transit Administration (MTA) completes construction on its new, proposed “Purple Line” light rail transit line in 2020, it will link six communities, two MARC Train lines and two Metro lines within Montgomery and Prince George’s counties. To help affected communities make informed decisions as they look to leverage the benefits of the new transit line, the National Center for Smart Growth (NCSG) established the Purple Line Corridor Coalition (PLCC). Spearheaded by the Director of NCSG, Gerrit Knaap, the coalition provides community leaders with a forum for cross collaboration and idea exchange, as well as access to key research and tools to help maximize opportunities for their communities while protecting their assets.



Engaging in extensive research, community dialogue and GIS mapping, the on-going project provides coalition members a better understanding of development opportunities. This includes key forecasting scenarios such as how different development and zoning decisions could affect commuting, affordable housing and small businesses. Researchers are also seeking out market opportunities and vulnerable areas along the Purple Line where communities can collaborate on best practices. Historically, cross-collaboration in corridor projects around the country has resulted in more financial support, productive joint projects and a better standard of living for those who live and work along transit corridors. “There is a lot of energy and effort around this project, says Knaap. “ Our goal is to help these communities achieve the maximum economic, social and environmental benefits, while preserving a sense of place for their small businesses and residents.”

Top: National Center for Smart Growth’s Fred Ducca presents transportation studies done by the center.

Bottom: National Center for Smart Growth’s Casey Dawkins.

## **Funded Research:**

For fiscal year 2013, funded research from ongoing and new endeavors reached \$3,668,625, over one million dollars more than the previous year. The following are highlights of new projects:

- List of Classified Structures Updates for Chesapeake & Ohio Canal. Funded by the U.S. Department of Interior-National Park Service. (Lead Investigator: Don Linebaugh)
- Casey Trees Master Plan Design Competition. Funded by Casey Trees. (Lead Investigator: Christopher Ellis; Co-Investigator: Al Tetrault)
- Support for MDE Air and Radiation Administration on State Climate Action Plan. Funded by the Maryland Department of Natural Resources. (Lead Investigator: Uri Avin)
- Transportation Policy Research. Funded by the Maryland State Highway Administration. (Lead Investigator: Gerrit Knaap)
- Inclusion of Time Dependent Networks in MD Statewide Transportation Model. Funded by Maryland State Highway Administration. (Lead Investigator: Sevgi Erdogan; Co-Investigator: Frederick Ducca)
- Improving Mode-Choice Model - Transportation Model (MSHA). Funded by the Maryland State Highway Administration. (Lead Investigator: Timothy Welch; Co-Investigator: Frederick Ducca)
- Baltimore Regional Sustainable Communities Development. Funded by the Baltimore Metropolitan Council. (Lead Investigator: Gerrit Knaap; Co-Investigator: Casey Dawkins)
- Net Effects of Gas Price Changes on Transit Ridership in the US Urban Cities. Funded by San Jose University. (Lead Investigator: Hiro Iseki)
- Local Methods for Modeling, Economic Evaluation, Justification and Use of the Value of Travel Time Reliability in Transportation Decisions. Funded by the National Academies - Transportation Research Board. (Lead Investigator: Thomas Jacobs; Co-Investigator: Frederick Ducca)
- Development of Institute for Sustainable Communities. Funded by the University of Maryland Foundation. (Lead Investigator: Gerrit Knaap)
- Programmatic Support for Chesapeake & Atlantic Coastal Bays Trust Fund. Funded by Maryland Department of Natural Resources. (Lead Investigator: Joanne Mathews Throwe)
- Providing Stormwater Financing and Outreach Assistance to Maryland Communities. Funded by the Maryland Department of Natural Resources. (Lead Investigator: Daniel Nees)
- Maryland Department of Natural Resources Recreational Boating Fiscal and Economic Analysis. Funded by the Maryland Department of Natural Resources. (Lead Investigator: Daniel Nees)
- Assisting to Maryland Energy Administration with MD Smart Energy Communities Program. Funded by the Maryland Energy Administration. (Lead Investigator: Joanne Mathews Throwe)
- Assessment of Green Jobs Related to the District's Stormwater Retention Practices. Funded by District of Columbia Department of the Environment. (Lead Investigator: Daniel Nees)
- Developing Sustainable Stormwater Financing in the Shenandoah Valley. Funded by the Northern Shenandoah Valley Regional Commission. (Lead Investigator: Joanne Mathews Throwe)
- Coordinating Technical Assistance for the National Fish and Wildlife Foundation Local Government Assistance Program. Funded by the National Fish and Wildlife Foundation. (Lead Investigator: Joanne Mathews Throwe, Co-Investigator: Jennifer Cotting)
- Technical Assistance Provided for Lancaster County Municipal Stormwater Financing Initiative. Funded by the National Fish and Wildlife Foundation. (Lead Investigator: Joanne Mathews Throwe)
- Financing Strategy to Implement Watershed Actions and Build Org Capacity. Funded by the Sidney Center Improvement Group. (Lead Investigator: Jennifer Cotting)
- Technical Assistance for Oxford, Maryland Stormwater Financing and Outreach Assistance. Funded by the National Fish and Wildlife Foundation. (Lead Investigator: Joanne Mathews Throwe)
- Training and Technical Assistance - Small Systems in the Chesapeake Bay. Funded by the New Mexico Institute of Mining & Technology (NMT). (Lead Investigator: Joanne Mathews Throwe; Co-Investigator: Monica Alison Billig)
- Facilitating the Revitalization of Johnston's Run. Funded by the National Fish and Wildlife Foundation. (Lead Investigator: Jennifer Cotting)
- Financing the Calvert County Watershed Implementation Plan. Funded by the National Fish and Wildlife Foundation. (Lead Investigator: Daniel Nees)
- Technical Assistance Provided for the Hampton, Virginia, Green Stormwater Gardens Financing Initiative. Funded by the National Fish and Wildlife Foundation. (Lead Investigator: Daniel Nees)
- Technical Assistance Provided for City of Scranton MS4 Inventory and Stormwater Management Plan. Funded by the National Fish and Wildlife Foundation. (Lead Investigator: Joanne Mathews Throwe, Co-Investigator: Monica Alison Billig)
- Baltimore City Stormwater Banking and In-Lieu Fee Project. Funded by the Center for Watershed Protection. (Lead Investigator: Daniel Nees)
- Science Based Targeting of Conservation to Increase the Efficacy of Programs to Reduce Nonpoint Source Pollution. Funded by The Nature Conservancy. (Lead Investigator: Daniel Nees)
- Sustainable Maryland Certification Program. Funded by Town Creek Foundation. (Lead Investigator: Joanne Mathews Throwe, Co-Investigator: Lisbeth Fried)
- Advancing Green Infrastructure in York, Pennsylvania. Funded by the American Rivers. (Lead Investigator: Jennifer Cotting)
- Using Excess Manure to Generate Farm Income in the Chesapeake's Phosphorus Hotspots. Funded by the National Fish and Wildlife Foundation. (Lead Investigator: Joanne Mathews Throwe)
- Mid-Atlantic Regional Dray Truck Emission Reduction Program. Funded by the Mid-Atlantic Regional Air Management Association. (Lead Investigator: Joanne Mathews Throwe)

## Pursue Lifelong Value for Alumni and Friends

The School's community extends well beyond its walls; it encompasses 40 years' worth of alumni and friends who support our endeavors. Alumni and friends connect our school to the profession in many ways. Their support furthers academic excellence, nurtures our students and makes our programs stand out on the collegiate stage. In turn, the school strives to create opportunities to connect our alumni and friends with the school, through the newly re-launched alumni association, publications and events.

### **Notable Gifts 2011-2012**

The School is pleased to highlight the following gifts over \$10,000 this past fiscal year by friends and alumni:

- Mr. Yonald Chery provided a gift-in-kind to the fabrication lab, providing hand tools, power tools and machinery.
- Earlier this year, ARGUS Software Inc. provided a software gift for the Real Estate Development Program.
- The Charles and Lynne Klatskin Family Charitable Trust provided a gift to the Klatskin Foreign Travel Endowment Fund, which offers annual foreign travel awards to students enrolled in the graduate program in architecture at the School of Architecture, Planning and Preservation.
- A gift this year from Mr. John Colvin, Principal at Questar in Baltimore, Maryland, and founder of the Colvin Institute of Real Estate Development, provided funds to investigate and launch the first-ever undergraduate real estate development class at the University of Maryland. The course, which focused on innovative and sustainable practice in real estate development, was broad enough to translate across a number of disciplines.
- The Kibel Foundation continues to support the artistic and design activities of students and faculty of the School through several endeavors. The Charles Kibel Leadership Fund was created last November to support programs for both students and faculty through leadership training, development workshops and a symposium on leadership.
- In January, Craig Spangler, AIA (B.ARCH '82) and his wife Mimi established the Craig and Mimi Spangler Lecture Series through an endowment with the University of Maryland College Park Foundation, Inc. The endowment will support an annual architecture lecture at the School of Architecture, Planning and Preservation, providing a platform for emerging architects to share their work and innovative ideas in design with the UMD community, other professionals and the public.
- The David M. Schwarz Architects Charitable Foundation made a contribution towards the David M. Schwarz Architects Internship and Traveling Fellowship, which provides a study abroad fellowship opportunity followed by an internship at their Washington, D.C. office each year for one architecture graduate student.



Above: Bill Bonstra

Right: Bonstra reviews student work during a visit to the school.



***William Bonstra Endowment to Provide Support to Students in Need through UMD’s New TerpStart Matching Scholarship Program***

Bill Bonstra, FAIA (B.ARCH '83), is a founder and managing partner of Bonstra|Haresign Architects, the Washington, D.C. design firm behind many award-winning commercial, residential, institutional and mixed-use projects. Bill’s vision for the firm’s work is to contribute in a way that positively enriches people’s lives. This philosophy extends beyond his profession; it also serves as the foundation for his relationship with the School of Architecture, Planning and Preservation. For over 30 years, Bill has been involved with the school as an advisor, mentor and teacher. He serves on the advisory committee for the Architecture Program and is on the Real Estate Development Program’s Board of Advisors.

However, what brings Bill the most satisfaction and meaning as an alumnus is being able to provide continued support to MAPP students through financial opportunity and scholarship. Coming from a modest upbringing in rural New Jersey, Bill relied quite heavily on financial aid during his time at UMD. As a student, he was the recipient of the Alvin L. Aubinoe Scholarship, funded by a UMD

alumnus with a background in architecture and development. “That scholarship was very meaningful to me. I never forgot the opportunities it provided me in obtaining my education.”

Bill is the first alumnus of the School of Architecture, Planning and Preservation to give through the TerpStart Matching Scholarship Program, a new need-based scholarship program where the University will match the spendable income from the endowment in perpetuity. The program is designed to assist those students with the greatest financial need—Pell eligible students—as part of the University’s continued mission to provide access and affordability to a quality college education.

The William Bonstra Scholarship Fund, which will be available to students studying architecture, is set to begin in the fall of 2014. “I am very excited to be participating in this program,” said Bill. “I hope my story will also inspire other alumni to do the same.”

TerpStart will be offered until June 30, 2015. For more information, contact Laura Mikolajko at 301-405-8628 or at [lcoco@umd.edu](mailto:lcoco@umd.edu).



Above: Craig Spangler, AIA, Principal of the Philadelphia based architecture and engineering design firm Ballinger.

### ***The School of Architecture, Planning and Preservation Re-organizes Board of Visitors***

This year, the School of Architecture, Planning and Preservation reorganized its advisory body with the aim of a more strategic and focused effort to enhance the School. The School of Architecture, Planning and Preservation Board of Visitors is currently a collection of 12 professionals in fields related to the School's disciplines. After reorganization, the board will grow to around 24 members, expanding in both size and diversity to best serve the range of programs and students housed within the School. The board's mission is three-fold: act as ambassadors for the School, serve as advisors to the School and work as advocates of the School. Led by Board Chair Craig Spangler, the group met for a retreat in November to identify roles and pinpoint the School's most pressing issues and long-term goals. In the future, the board will meet three times a year as it develops and executes a yearly action plan, working closely with School administration, faculty and staff to ensure successful implementation.

#### *MAPP Board of Visitors:*

**Harold Adams**, FAIA – RTKL Associates;  
**Steve Parker**, AIA, LEED AP – Grimm + Parker Architects;  
**Alex Klatskin**, FAIA – Forsgate Industrial Partners;  
**Thomas Gallas** – Torti Gallas and Partners;  
**Glenn Birx**, FAIA, LEED AP – Ayers Saint Gross;  
**Albert Rubeling, Jr.**, FAIA – Rubeling and Associates;  
**Emily Eig** – EHT Tracerics, Inc.;  
**Jonathan C. Nehmer**, AIA, ISHC – Jonathan Nehmer + Associates;  
**Jordan Goldstein** – Gensler;  
**Craig Spangler**, AIA – Ballinger;  
**Elinor Bacon**, E.R. Bacon Development LLC;  
**Steve Empie** – RTKL (Retired)



Great Space transformed

### **The MAPP Alumni Chapter: MAPP+D**

Last winter, the alumni chapter for the School of Architecture, Planning and Preservation was re-instated as an active chapter of the University of Maryland Alumni Association. MAPP+D encompasses alumni from the architecture, planning, preservation and real estate development programs. Its purpose is to engage and connect alumni to each other and the School. The executive board, led by Emilie Rottman (M. ARCH '11) has spent its inaugural year recruiting members and hosting events every couple of months to connect alumni, including happy hours and a miniature golf tournament at the National Building Museum. "Our goal is to provide venues where alumni can engage with each other and the School," says Emilie. "We have some ideas for the new year that we hope will also provide some enriching opportunities." That includes exploring a continuing education series where alumni can learn about new technologies, initiatives or methods within the built environment, possibly for LEED credit.

The chapter is always looking for ideas, input and involvement. To learn more, e-mail at [mapp.alum@gmail.com](mailto:mapp.alum@gmail.com), or find it on Facebook and LinkedIn.

*Last February, the School launched a new e-newsletter that highlights School news, student achievements, marketplace and industry happenings and program events. Hitting inboxes the first week of each month, the e-newsletter services MAPP alumni, students, faculty, staff and friends of the School as a way to stay informed and connected. Not getting the e-newsletter? Please contact Chris Hinojosa at [hinojosa@umd.edu](mailto:hinojosa@umd.edu).*

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