



MAA Project NExT

NEW EXPERIENCES IN TEACHING



AUGUST 1-6, 2016

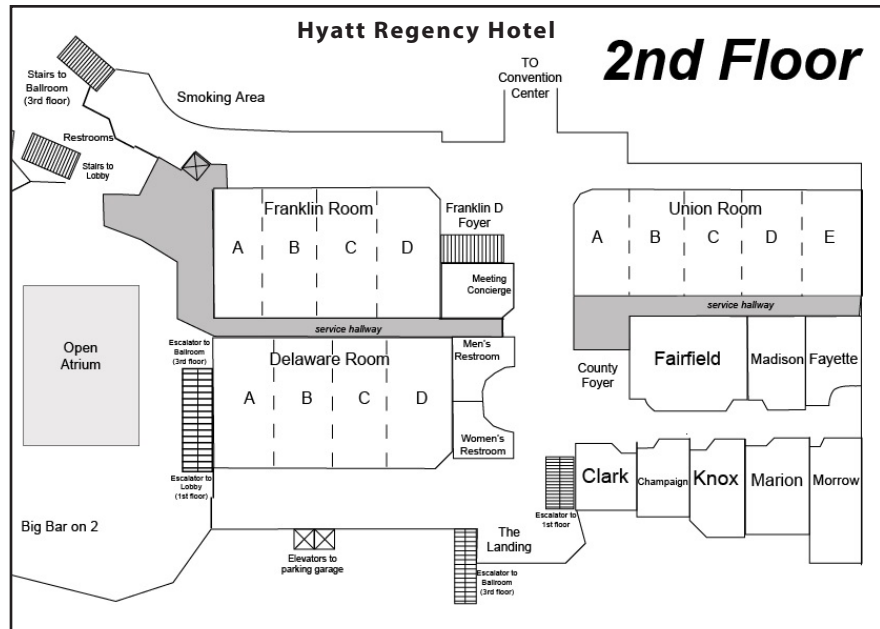
INCOMING COHORT: GREEN'16
RETURNING COHORT: RED'15

HYATT REGENCY
COLUMBUS, OHIO

MAPS



FULL PROGRAM
WWW.MAA.ORG/PN-PROGRAM





MAA Project NExT Red'15 Fellows at MAA MathFest 2015

SCHEDULE

MONDAY, AUGUST 1 (GREEN'16)

11:00–1:00 P.M.	REGISTRATION	COUNTY FOYER
1:00–1:40 P.M.	PLENARY Welcome & Icebreaker Dave Kung, St. Mary's College of Maryland, Gold (2000) Director, MAA Project NExT	FAIRFIELD
1:40–2:00 P.M.	BREAK	
2:00–3:20 P.M.	PLENARY Life Scripts in the Classroom Carol Schumacher, Kenyon College	FAIRFIELD
3:20–4:00 P.M.	BREAK (WITH SNACKS)	COUNTY FOYER
4:00–5:20 P.M.	DEMONSTRATION Interactive Teaching Methods MAA Project NExT Leadership Team: Julie Barnes, Western Carolina University, Blue (1996) Alissa S. Crans, Loyola Marymount University, Orange (2004) Matt DeLong, Taylor University, Brown (1999) Anthony Tongen, James Madison University, Sterling (2005)	FAIRFIELD
5:20–6:00 P.M.	BREAK	
6:00–7:00 P.M.	DINNER MAA President Francis Su, Harvey Mudd College, Blue (1996)	MORROW
7:00–8:20 P.M.	SMALL GROUPS What Methods Might Work for You? Alissa S. Crans, Loyola Marymount University, Orange (2004)	MORROW

TUESDAY, AUGUST 2

7:20–8:20 A.M.	BREAKFAST	MORROW
8:20–9:20 A.M.	PLENARY Teaching Math in the 21st Century Tara Holm, Cornell University, Sepia (2006)	FAIRFIELD
9:20–9:40 A.M.	BREAK	
9:40–11:00 A.M.	BREAKOUT SESSIONS a. Math Teachers’ Circles: How to Create AHA! Moments - Judith Covington FAYETTE b. Spreadsheets: A Tool to Enliven and Animate Mathematics - Bob DeVaney CHAMPAIGN c. Student-Centered, Advanced Mathematics Courses - Brian Katz MADISON d. Helping Students Learn to Write Proofs - Chris Stevens KNOX e. Show me the Data: Using Data to Engage Student Learning - Talithia Williams MARION	
11:00–11:20 A.M.	BREAK	
11:20–12:00 P.M.	SMALL GROUPS - ON PROFESSIONAL LIFE AT AN INSTITUTION LIKE YOURS i. FAYETTE (FRONT) vi. MADISON (BACK) ii. FAYETTE (BACK) vii. KNOX (FRONT) iii. CHAMPAIGN (FRONT) viii. KNOX (BACK) iv. CHAMPAIGN (BACK) ix. MARION (FRONT) v. MADISON (FRONT) x. MARION (BACK)	
12:00–1:00 P.M.	LUNCH - SEATED BY RESEARCH AREA	MORROW
1:00–1:20 P.M.	BREAK	
1:20–2:20 P.M.	PLENARY Killing It (without Killing Yourself): Academic Time Management Linda Braddy, Tarrant Community College, Cardinal (2001)	FAIRFIELD
2:20–2:40 P.M.	BREAK	
2:40–4:00 P.M.	BREAKOUT SESSIONS f. Math Teachers’ Circles: How to create AHA! Moments - Judith Covington FAYETTE g. Spreadsheets: A Tool to Enliven and Animate Mathematics - Bob DeVaney CHAMPAIGN h. Student-centered, Advanced Mathematics Courses - Brian Katz MADISON i. Helping Students Learn to Write Proofs - Chris Stevens KNOX j. Show me the Data: Using data to engage student learning - Talithia Williams MARION	
4:00–4:30 P.M.	BREAK (WITH SNACKS)	COUNTY FOYER
4:30–4:40 P.M.	GREEN’16 GROUP PHOTO	TBA
4:40–6:00 P.M.	PLENARY Rising to the Challenge of Diversifying the Mathematics Community Dave Kung, St. Mary’s College of Maryland, Gold (2000)	FAIRFIELD
6:00–8:00 P.M.	DINNER (ON YOUR OWN)	
8:00–10:00 P.M.	ICE CREAM SOCIAL (WITH RED’15 FELLOWS)	PEPPERCORN

WEDNESDAY, AUGUST 3

7:20–8:20 A.M.	CONTINENTAL BREAKFAST	UNION ABC
8:20–9:20 A.M.	PLENARY	UNION ABC
	Uncovering the Special Mathematical Practices of Teaching Deborah Ball, University of Michigan	
9:20–9:40 A.M.	BREAK	
9:40–11:00 A.M.	BREAKOUT SESSIONS	
	A. Making Linear Algebra Meaningful - David Austin	CHAMPAIGN
	B. Teaching Using Tactile Visualization Techniques - Julie Barnes	FAYETTE
	C. Teaching Problem Solving - Matt DeLong	MADISON
	D. Creating a Vibrant and Inclusive Community - Dave Kung	CLARK
	E. Engaging Students with Good Questions - Holly Zullo	OHIO CENTER BOARD ROOM
11:00–11:20 A.M.	BREAK	
11:20–12:00 P.M.	SMALL GROUPS BY GEOGRAPHICAL SECTION	
	PACNW MARION (BACK)	WI/N.Central KNOX (FRONT)
	CA/NV MADISON (BACK)	Alleg./PA/Del MADISON (FRONT)
	KS/NE/Rockies CLARK (BACK)	IL/IN/IA FAYETTE (BACK)
	TX/OK/AK CLARK (FRONT)	MI/OH/KY FAYETTE (FRONT)
	NORTHEAST CHAMPAIGN	NY/NJ/Seaway KNOX (BACK)
	MD/VA/DC MARION (FRONT)	SOUTHEAST/FL OHIO CTR BRDRM
12:00–1:20 P.M.	NETWORKING LUNCH	UNION DE
	Connecting with the Mathematics Community	
1:20–1:40 P.M.	BREAK	
1:40–3:00 P.M.	BREAKOUT SESSIONS	
	F. Making Linear Algebra Meaningful - David Austin	CHAMPAIGN
	G. Teaching Using Tactile Visualization Techniques - Julie Barnes	FAYETTE
	H. Teaching Problem Solving - Matt DeLong	MADISON
	I. Creating a Vibrant and Inclusive Community - Dave Kung	CLARK
	J. Engaging Students with Good Questions - Holly Zullo	OHIO CENTER BOARD ROOM
3:00–3:20 P.M.	BREAK (WITH SNACKS)	COUNTY FOYER
3:20–4:20 P.M.	GOAL SETTING / PLANNING FOR JOINT MATH MEETINGS	UNION ABC
4:20–4:40 P.M.	BREAK	
4:40–6:00 P.M.	RED'15 GRADUATION / CLOSING PLENARY	UNION ABC
	Project What's Next Tim Chartier, Davidson College, Forest (2002)	

TUESDAY, AUGUST 2

8:00–10:00 P.M.	ICE CREAM SOCIAL (WITH GREEN'16 FELLOWS)	PEPPERCORN
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WEDNESDAY, AUGUST 3

7:20–8:20 A.M.	CONTINENTAL BREAKFAST	UNION ABC
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8:20–9:20 A.M.	PLENARY	UNION ABC
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Uncovering the Special Mathematical Practices of Teaching

Deborah Ball, University of Michigan

9:20–9:40 A.M.	BREAK	
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9:40–9:55 A.M.	WELCOME BACK	UNION ABC
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10:00–11:00 A.M.	RED'15 SESSIONS (CHOOSE ONE)	
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Recasting Failure as a Learning Tool & Battling Math Anxiety

KNOX

Panelists: Kathryn Haymaker (Gold'14, Villanova), Austin Mohr (Gold'14, Nebraska Wesleyan), Victor Piercey (Silver'12, Ferris State), Michael Starbird (University of Texas at Austin)

Organizers: Adam Giambrone, Dylan Poulsen, Daniel Visscher, Jared Warner

Creating and Assessing Effective In-Class Activities

MARION

Panelists: Audrey Malagon (Green'09, Virginia Wesleyan), Monica VanDieren (Robert Morris)

Organizers: Brad Fox, Peri Shereen, Lucy Spardy, Jessica Williams

11:00–11:20 A.M.	BREAK	
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11:20–12:00 P.M.	SMALL GROUPS BY GEOGRAPHICAL SECTION	
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PACNW MARION (BACK)

WI/N.Central KNOX (FRONT)

CA/NV MADISON (BACK)

Alleg./PA/Del MADISON (FRONT)

KS/NE/Rockies CLARK (BACK)

IL/IN/IA FAYETTE (BACK)

TX/OK/AK CLARK (FRONT)

MI/OH/KY FAYETTE (FRONT)

NORTHEAST CHAMPAIGN

NY/NJ/Seaway KNOX (BACK)

MD/VA/DC MARION (FRONT)

SOUTHEAST/FL OHIO CTR BRDRM

12:00–1:20 P.M.	NETWORKING LUNCH	UNION DE
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Connecting with the Mathematics Community

1:20–1:40 P.M.	BREAK	
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1:40–2:40 P.M.	RED'15 SESSIONS (CHOOSE ONE)	
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Teaching and Assessing Proof-Writing

KNOX

Panelists: Brian Katz (Pine'09, Augustana), Rachel Schwell (Sun (2007), Central Connecticut State), Ted Sundstrom (Grand Valley State)

Organizers: Houssein El Turkey, Lauren Keough, Victor A. Ocasio-Gonzalez, Seungly Oh

Encouraging Students from Underrepresented Groups

MARION

Panelists: Viveka Borum (Spelman), Nick Shay (Central Ohio Technical College), Katherine Socha (Forest (2002), Park School of Baltimore)

Organizers: Vindya Bhat, Raena King, Anisah Nu'Man, Julie Rana

2:40–3:00 P.M.	BREAK (WITH SNACKS)	COUNTY FOYER
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WEDNESDAY, AUGUST 3 (CONT)

3:00–4:00 P.M.	<p>RED'15 SESSIONS (CHOOSE ONE)</p> <p>Specifications-Based Grading KNOX Panelists: David Clark (Silver'12, Grand Valley State), Kate Owens (College of Charleston) Organizers: John Asplund, Alex Halperin, Jolie Roat, Anil Venkatesh</p> <p>Teaching and Assessing Conceptual Learning MARION Panelists: Brian Katz (Pine'09, Augustana), Angela Kubena (Univ. of Michigan), Ann Stewart (Sun (2007), Hood) Organizers: Sarah Bocking-Conrad, Elizabeth Chisholm, Silas Johnson, Matthew Morena</p> <p>Thanks to John Ross and Deidra Coleman for coordinating the Red'15 sessions.</p>
4:05–4:20 P.M.	CLOSING THOUGHTS KNOX
4:20–4:40 P.M.	BREAK
4:40–6:00 P.M.	<p>RED'15 GRADUATION / CLOSING PLENARY UNION ABC</p> <p>Project What's Next Tim Chartier, Davidson College, Forest (2002)</p>

PROJECT NEXT COURSES (GREEN'16 & RED'15)

RED'15 FELLOWS: SEE YOUR EMAIL FOR COURSE ASSIGNMENTS

THURSDAY, AUGUST 4 & FRIDAY, AUGUST 5

1:00–3:00 P.M.	<p>COURSE Y GRANT</p> <p>Teaching Introductory Statistics in a Data-Driven World Michael Posner, Sepia (2006), Villanova</p>
1:00–3:00 P.M.	<p>COURSE V GARFIELD</p> <p>Inquiry-Based Learning in Mathematics for Liberal Arts Courses Philip Hotchkiss, Green (1995), Westfield State College</p>
1:00–3:00 P.M.	<p>COURSE W HARDING</p> <p>Moving & Learning: Embodying Mathematics Hortensia Soto, Blue (1996), University of Northern Colorado</p>
3:20–5:20 P.M.	<p>COURSE X HARDING</p> <p>NSF Basics: Overview, Funding Opportunities, & Grant-Writing Tips Lloyd Douglas, MAA and Sandra Richardson, Sterling (2005), National Science Foundation</p> <p>Getting Your Research Off to a Good Start Anthony Tongen, Sterling (2005), James Madison University</p>
3:20–5:20 P.M.	<p>COURSE U GRANT</p> <p>An Inquiry-Oriented Smorgasbord Valerie Peterson, Green'09, University of Portland</p>
3:20–5:20 P.M.	<p>COURSE Z GARFIELD</p> <p>Undergraduate Research – How to Make It Work Aparna Higgins, University of Dayton</p>

2016-2017 PROJECT NEXT FELLOWS GREEN'16 COHORT

Leyda Almodovar Velazquez
Stonehill College
0, b, viii, j, A, G, X

Ibukun Amusan
Kentucky State University
1, b, vii, j, A, J, Y

Meredith Anderson
Adams State University
2, a, ix, h, E, F, V

Phillip Andreae
Meredith College
3, e, vii, h, E, I, Z

Leesa Anzaldo
University of Wisconsin-Madison
4, d, v, h, A, I, U

Drew Ash
Davidson College
5, d, i, f, E, I, V

Kyle Besing
Kentucky Wesleyan College
6, c, vi, g, A, J, V

Derdei Bichara
California State University, Fullerton
7, b, ii, i, A, J, X

May Chaar
Framingham State University
8, a, x, g, E, I, X

Shih-Wei Chao
University of North Georgia
9, b, x, i, A, I, V

Timothy Chumley
Mount Holyoke College
0, d, ii, j, D, H, Z

Craig Collins
Murray State University
1, a, iii, i, B, F, Z

Benjamin Coté
Bridgewater State University
2, e, iv, f, C, F, Z

Megan Cream
Spelman College
3, d, vii, j, A, I, V

Douglas Dailey
University of Dallas
4, c, i, f, C, F, V

Alexander Diaz-Lopez
Swarthmore College
6, c, ii, i, C, F, X

Sarah Dumnich
Frostburg State University
7, e, x, i, E, H, U

Timothy Ferdinands
Bethel College
8, c, vi, g, B, H, V

Neville Fogarty
Christopher Newport University
9, c, iii, g, C, F, V

Brendan Fry
Metropolitan State University of Denver
0, e, iv, g, E, H, X

Benjamin Gaines
Iona College
1, d, viii, h, D, H, Z

Amy Givler
Virginia Military Institute
2, b, vii, h, C, J, X

Heidi Goodson
Haverford College
3, a, i, h, D, F, U

Lauren Grimley
Spring Hill College
4, d, vi, h, B, F, Z

Rachel Grotheer
Goucher College
5, b, vii, j, E, G, V

Emily Gunawan
Gustavus Adolphus College
6, d, i, j, B, I, X

Neha Gupta
Harvard University
7, a, v, g, B, I, W

Rosemary Guzman
University of Illinois at Urbana-Champaign
8, c, ii, j, D, H, X

James Hammer
Cedar Crest College
9, d, v, f, E, G, Z

Eric Hanson
Texas Christian University
0, e, v, g, D, J, Y

Sarah Hanusch
SUNY Oswego
1, c, iv, f, C, J, W

Scott Hottovy
United States Naval Academy
2, b, iii, h, A, J, Z

Kenan Ince
Westminster College, Salt Lake City
3, a, v, h, B, I, Z

Samuel Ivy
United States Military Academy
4, d, i, h, E, F, Z

William Jamieson
Southern New Hampshire University
5, e, v, h, A, H, Y

Mary Karker
Connecticut College
6, d, i, j, B, J, Y

Daniel Kline
Milligan College
7, c, vi, i, B, F, V

Jakob Kotas
University of Portland
8, d, viii, j, A, H, V

Alona Kryshchenko
California State University Channel Islands
9, b, iii, j, D, G, Y

Benjamin Levy
Fitchburg State University
0, a, x, j, E, F, Y

Benjamin Linowitz
Oberlin College
1, c, ii, f, D, F, Z

Marcos Lopez
Midwestern State University
2, c, x, f, D, F, Z

Jason Lutz
Gonzaga University
3, c, viii, i, A, J, U

Peter Maceli
Canisius College
4, a, ix, i, B, H, V

Alicia Machuca
Texas Woman's University
5, e, iv, h, E, G, U

2016-2017 PROJECT NEXT FELLOWS GREEN'16 COHORT

Tetyana Malysheva
University of Wisconsin - Green Bay
6,d,x,h,E,F,Z

Chad Mangum
Niagara University
7,b,viii,i,A,H,X

Megan Martinez
Ithaca College
8,e,ix,g,D,G,Z

Nathan McNew
Towson University
9,d,iii,j,C,J,X

Brittney Miller
Coe College
0,a,vii,h,C,I,V

Nadia Monroe Mills
University of the Virgin Islands
1,b,ix,f,B,H,W

Sarah Nelson
Lenoir-Rhyne University
2,a,viii,i,B,I,W

Suzanne Marie O'Regan
North Carolina A&T State University
3,b,ii,i,E,I,Z

Jesus Oliver
California State University East Bay
4,e,iv,g,C,I,X

Nicole Panza
Francis Marion University
5,a,vii,j,C,G,Z

Caitlyn Parmelee
Keene State College
6,d,x,j,A,J,Y

Catherine Patterson
Austin College
7,d,vi,h,E,G,Z

Terrance Pendleton
Drake University
8,c,ix,g,C,F,Z

Geremias Polanco
Hampshire College
9,b,vii,h,A,J,Z

Margaret Rahmoeller
Roanoke College
0,e,i,i,B,H,Z

Jenna Reis
Fitchburg State University
1,c,x,i,A,H,X

Amanda Ruiz
University of San Diego
2,e,viii,f,D,H,Z

Hwayeon Ryu
University of Hartford
3,e,ix,g,E,H,V

Jason Siefken
Northwestern University
5,c,i,i,C,J,Y

Gabriel Sosa Castillo
Amherst College
6,c,ii,f,C,I,V

Roberto Soto
California State University, Fullerton
7,c,iv,f,D,F,Z

Julia St. Goar
Merrimack College
8,c,vi,f,B,I,W

Felicia Tabing
Rose-Hulman Institute of Technology
9,c,i,i,A,I,V

Amanda Taylor
Alfred University
0,c,vii,i,D,G,U

Christine Uhl
St. Bonaventure University
1,a,viii,h,C,G,V

Alana Unfried
California State University, Monterey Bay
2,e,x,g,D,J,Y

Katherine Vance
Simpson College
3,d,vi,j,D,G,Z

Ivan Ventura
California State Polytechnic University,
Pomona
4,b,iii,i,E,H,X

Julia Walk
Concordia College
5,e,vi,i,D,G,Z

Mami Wentworth
Wentworth Institute of Technology
6,e,ix,g,D,G,U

Benjamin Wilson
Stevenson University
7,c,ix,g,B,J,V

Na Yu
Lawrence Technological University
8,b,ix,h,C,G,X

Ice Breaker, Small Group, Breakout, and Course Assignments are listed in chronological order. See the schedule for locations.

WORKSHOP LEADER BIOS

David Austin is Professor of Mathematics at Grand Valley State University and writes for the American Mathematical Society's online Feature Column. He is interested in computation and mathematical illustration as tools for understanding and explaining mathematical thinking. When not drawing pictures on a computer, he is programming robots with high school students or playing the guitar.

Julie Barnes (Blue, 1996) is a Professor of Mathematics at Western Carolina University and is an Associate Director for MAA Project NExT. Her mathematical interests include using tactile teaching activities and complex dynamics. She won an MAA Allendoerfer Award (2016) for an article written with a longtime friend and two postdocs. In her spare time she enjoys hiking and playing racquetball.

Linda Braddy (Cardinal, 2001) is Vice President for Academic Affairs at Tarrant County College Northeast Campus. As Deputy Executive Director of the MAA, her 20-1 record of successful NSF grant applications produced a portfolio of over \$16.5 million. An award-winning teacher, she is always improving her own time management so she can do more with less - leaving time to spend with her grandkids.

Tim Chartier (Forest, 2002) teaches at Davidson College. He focuses on sports analytics, researching questions for ESPN, the NBA and NASCAR teams. He collaborates extensively with a team of undergraduates. He is Second Vice President of the MAA. Tim has served as a resource for a variety of media inquiries, including appearances with NPR, the CBS Evening News, USA Today, and The New York Times.

Judith Covington (Red, 1994) is a Professor of Mathematics at Louisiana State University Shreveport, director of the North Louisiana Mathematics Teachers' Circle, newly elected Governor for the LA/MA Section of the MAA and a 2015 Haimo award winner. Judith served for seventeen years on the leadership team for MAA Project NExT.

Matt DeLong (Brown, 1999) is a Professor of Mathematics at Taylor University and an Associate Director of MAA Project NExT. His interests include knot theory and faculty development. He was awarded the Alder Award and the Haimo Award for distinguished teaching from the MAA. His hobbies used to include singing in choir and performing in musical theater, but now he watches his three kids do the same.

Robert L. Devaney is Professor of Mathematics at Boston University and is currently immediate past-president of the MAA. His area of research is complex dynamics and chaos theory. Given his eight grandchildren who were born in the last ten years, he has recently become one of the world's leading experts in chaos!

Lloyd E. Douglas is a Certified Research Administrator who has been a MAA Project NExT consultant since 1995. He has held research administration positions at the University of Nevada, Reno and the University of North Carolina at Greensboro after spending 23 years at the National Science Foundation.

Aparna Higgins is a Professor at the University of Dayton. Her doctoral work was done at the University of Notre Dame. Her research interests are in graph theory, which she enjoys sharing with undergraduate researchers. She was honored with the MAA's Haimo Award for Distinguished Teaching in 2005. She has been involved with MAA Project NExT since 1998, and served a five-year term as its director.

Tara Holm (Sepia, 2006) teaches at Cornell University and conducts research in symplectic geometry, algebraic geometry and topology. She is a member of the AMS Committee on Education, chairing it from 2012 to 2016, and on the leadership team of TPSE Math. Holm is the President/CEO of the corporation running the Budapest Semesters. She is a Fellow of the AMS and her favorite pie is lemon meringue.

Philip Hotchkiss (Green, 1995) is a Professor of Mathematics at Westfield State University and a member of the Discovering the Art of Mathematics (DAoM) team. He loves working with mathematics for liberal arts (MLA) students and helping them gain a deeper appreciation for mathematics. Outside of mathematics, his interests include singing and cycling.

Brian Katz (Pine'09) is an Associate Professor at Augustana College and will visit Rutgers and San Diego State this year to do sabbatical research on math education. Brian is the co-author of an MAA Textbook, an associate editor for a special issue of PRIMUS entitled "Teaching Inquiry", and the chair-elect for a new SIGMAA for IBL. Brian loves to sing and has kittens named Simon and River.

WORKSHOP LEADER BIOS

Dave Kung (Gold, 2000) teaches at St. Mary's College of Maryland and directs MAA Project NExT. After studying analysis, he switched to mathematics education, looking at instructor knowledge of student thinking. He has won his MAA section's teaching award, and he has passionately pushed to diversify the mathematics community. In his spare time, he runs, bikes, and coerces his daughter to practice her violin.

Deborah Loewenberg Ball is the William H. Payne Collegiate Professor in education at the University of Michigan, and an Arthur F. Thurnau Professor. An elementary school teacher for more than 15 years, she is an expert on teacher education, with a particular interest in how professional training and experience combine to equip beginning teachers with the skills and knowledge needed for responsible practice. Ball has authored or co-authored more than 150 publications and has been elected to the American Academy of Arts and Sciences and is a fellow of the American Mathematics Society.

Valerie Peterson (Green'09) earned her PhD from the University of Illinois and is now an Associate Professor of Mathematics at the University of Portland. When she's not thinking about cube complexes or how to transform STEM education, she enjoys exploring Portland's excellent food cart scene (by bike, of course!) and playing the drums (not by bike... yet).

Michael Posner (Sepia, 2006) is an Associate Professor of Statistics and founding Director of the Center for Statistics Education at Villanova University. He has served on numerous national committees of statistics education, has three NSF-funded grants totaling \$3.2 million, and has received teaching awards from Villanova, ASA, and MAA. He is a retired competitive ballroom dancer.

Sandra Richardson (Sterling, 2005) is a Program Director and co-lead of the Robert Noyce Teacher Scholarship Program at the National Science Foundation (NSF) in the Directorate of Education and Human Resources, Division of Undergraduate Education. Her scholarly interests include advancing pedagogical content knowledge of mathematics teachers, studying minority and underrepresented students' mathematical thinking, and mathematics teacher education.

Carol Schumacher is Professor of Mathematics at Kenyon College. The winner of Kenyon's Trustee Teaching Award, she authored [Chapter Zero](#) and [Closer and Closer](#), books that use inquiry-based learning for a bridge class and real analysis. She served as co-chair for the CUPM Curriculum Guide, and currently chairs the Kenyon Faculty. When not thinking about math or teaching, she loves to read with a cat in her lap, take long walks with friends, and most of all she loves to travel.

Hortensia Soto (Blue, 1996) is a professor in the School of Mathematical Sciences at the University of Northern Colorado, where she trains K-20 teachers. She is a mathematics educator whose research interests focus on the teaching and learning of complex analysis. She adopts the philosophy of embodied cognition into her teaching and research and thus, bodily movement is an integral part of her work.

Christine Stevens is an Associate Executive Director of the American Mathematical Society. Before joining the AMS in 2014, she was a Professor of Mathematics and Computer Science at Saint Louis University. Her research interests are in topological groups and the history of mathematics. In 1994, together with the late Jim Leitzel, she founded MAA Project NExT, which she led until 2009.

Anthony Tongen (Sterling, 2005) is a Professor at James Madison University and Assistant Director of MAA Project NExT. He has mentored more than 65 undergraduate research projects and written [Keeping it R.E.A.L.: Research Experiences for All Learners](#), a collection of undergraduate classroom research projects. Anthony enjoys spending time with his wife and kids on π -acres in addition to sharpening his mentoring skills in his church.

Talithia Williams (Green'09) is an Associate Professor of Mathematics at Harvey Mudd College. She has made it her life's work to get people more excited about the possibilities inherent in a STEM education. In her popular TED Talk, "Own Your Body's Data", she demystifies the mathematical process in amusing and insightful ways, using statistics as a way of seeing the world in a new light.

Holly Zullo (Green, 1995) is Professor of Mathematics at Westminster College (UT). She has also taught at Eastern Oregon University and at Carroll College (MT). Holly has been PI or co-PI on four NSF grants: two to develop questions for and study the pedagogy of classroom voting, and two CSEMS/S-STEM grants. Proficient at solving the two-body problem, she is also mom to four cats and one human.

SUPPORTERS OF MAA PROJECT NEXT

The MAA acknowledges the generosity of the following donors
(in declining order of number of 2016-17 Fellows supported)

Mary P. Dolciani Halloran Foundation

Richard Good Fund

American Mathematical Society

Educational Advancement Foundation

Miscellaneous MAA Sections and Individuals

Green Dot Challenge: Green (1995), Forest (2002), and Green'09

Marcia Sward

Lynn and Mary Steen

American Statistical Association

Hilsinger Fund

National Council of Teachers of Mathematics

American Institute of Mathematics

Association for Symbolic Logic

Friends of Joe Gallian

MacMillan Education-W.H. Freeman

Friends of Arnie Ostebee

Friends of Christine Stevens

Witte Fund

Barbara Janson



MATHEMATICAL ASSOCIATION OF AMERICA

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