

*Fourteenth Annual
Legacy of R.L. Moore Conference
2-4 June 2011, Washington, DC*

Master of Ceremonies

Lee May

Program Organizers

Jacqueline Jensen (Co-Chair)

Stan Yoshinobu

Angela Hodge

Ronald Taylor (Co-Chair)

Tom Ingram

Judith Covington

David Clark

Gavin LaRose

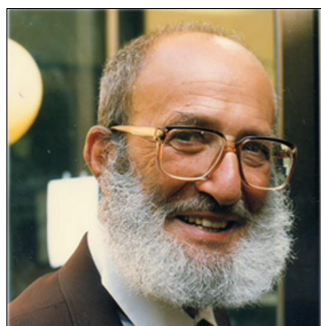
William “Ted” Mahavier

Eric Hsu



MAA Carriage House

A Mathematical Sciences Conference Center was established by a gift to the MAA from Paul and Virginia Halmos.



Some say that the only possible effect of the Moore Method is to produce research mathematicians, but I don't agree. The Moore Method is, I am convinced, the right way to teach anything and everything—it produces students who can understand and use what they have learned. It does, to be sure, instill the research attitude in the student—the attitude of questioning everything and wanting to learn answers actively but that's a good thing in every human endeavor, not only in mathematical research.

—P.R. Halmos,
I Want To Be A Mathematician: An
Automathography (1985).

Co-hosts

**Educational
Advancement
Foundation**



MATHEMATICAL ASSOCIATION OF AMERICA

MAA

**Thursday, 2 June
Maryland Suites**

10:00—1pm	Registration (Executive Corridor)
11:45—12:45 12:00—12:20	Welcome Lunch (Executive Corridor) David Bressoud, Macalester College Paul Zorn, St. Olaf College <i>EAF and MAA in Partnership</i>
1:00—1:15	Welcome & Overview Jacqueline Jensen, Slippery Rock University Ron Taylor, Berry College Michael Pearson, MAA MC: Lee May, Salisbury University
1:15—1:45	William “Ted” Mahavier, Lamar University <i>The Moore Method: Transformative Experiences</i>
1:50—2:30	Stan Yoshinobu, Cal Poly San Luis Obispo <i>Saving Ally</i>
2:35—3:10	Nate Miller, University of Northern Colorado <i>Multiply-Modified Moore/Miller Methods: The Many Faces of Inquiry-Based Learning in My Classes</i>
3:10-3:40	Break for Refreshments (Executive Corridor)
3:40-4:30	New Users Panel. Moderator: Jacqueline Jensen

Breakout Sessions

Time	Virginia A Technology and IBL	Virginia B General Contributed Paper Session	Virginia C General Contributed Paper Session	Nathan Hale General Contributed Paper Session
4:35–4:50	Elena Marchisotto <i>Inquiry-Learning Strategies for a Hybrid Introduction</i>	Milos Savic <i>An Examination of the Logic in Student-Constructed Proofs</i>	Brian Loft <i>A new Euclidean model discovered while teaching an IBL course</i>	Padraig McLoughlin <i>Come Up With An Idea and “MILK” It</i>
4:55–5:10	Jorgen Berglund <i>Graphing calculators and data collection devices</i>	Taoufik Nadji <i>Moore Method and Arts Students</i>	Austin Gleeson <i>Discovery Methods in Physics at Texas</i>	Patrick Rault <i>What I wish I knew 2 years ago</i>
5:15-5:30	John Carter & Clark Dollard <i>Using Online Tools to Enhance Communication in IBL Classes</i>	Carl Seaquist & Nicole Tunmire <i>Inquiry-Based Learning and Distance Learning</i>	Scott Beaver <i>A Modified Moore Method for Small Advanced Calculus Classes</i>	Ali Shaqlaih <i>Inquiry Based Learning Integrated with Technology</i>

5:30–7:00 Free Time

7:00–9:00 Dinner (Maryland Suites)

Michael Starbird, University of Texas at Austin
Transforming Lives: Teaching Thinking and Creativity

Friday, 3 June

- 7:30–8:30** **Continental Breakfast (Executive Corridor)**
 MCs: Jacqueline Jensen and Ron Taylor
- 8:30–9:00 Carol Schumacher, Kenyon College
Legacy
- 9:05–9:35 Judy Holdener, Kenyon College
To understand is to invent: empowering students with technology
- 9:35–9:50 Five-Minute Talks, Session I
- 9:55–10:15** **Break (Executive Corridor)**
- 10:15–10:45 Five-Minute Talks, Session II
- 10:50–11:20 Eric Hsu, San Francisco State University
Making Practice Visible: The Emerging Scholars Program and IBL
- 11:25–11:55 Jacqueline Jensen, Slippery Rock University and Ron Taylor, Berry College
Assessment in an IBL Classroom
- 12:00–1:00** **Lunch (Executive Corridor/Maryland Suites)**
 MC: Chris Tweddle
- 1:00–1:45 Angie Hodge, NDSU and Judith Covington, Louisiana State University-Shreveport
Math Teachers' Circles: What, Why, How, When and Where?

Breakout Sessions

Time	Maryland Suites History of Social Sciences	Virginia A Assessment and IBL	Virginia B Technology and IBL	Virginia C Math Circles and IBL	Nathan Hale Emerging Scholars Programs and IBL
1:55–2:25	Gregory Macklem <i>Using Technology and IBL</i>	Ed Parker <i>Grading an IBL Course</i>	Tom Banchoff <i>Course Management-Software</i>	Diana White <i>Math Teachers' Circles</i>	Rebecca Mercuri <i>Forensics as an Inquiry-Based Learning Method</i>
2:15–2:30	Brad Bailey <i>The Effects of Modified Moore Method</i>	Matthew Jones <i>Tailoring Assessment to Fit in IBL Courses</i>	Tom Banchoff, cont.	Paul Zeitz <i>IBL that works, and IBL that fails in a Math Circle</i>	Teena Carroll <i>Trying Something Very New</i>
2:35–2:50	Bob Milnikel <i>Logic and Incompleteness in an IBL setting</i>	David Clark <i>IBL at SUNY New Paltz</i>	Erica Johnson <i>The Joy of Numbers, Inquiry, and Wikis</i>	Harold Reiter <i>KenKen a Mathematical Object</i>	Elizabeth Thoren & Brian Katz <i>Wiki Technology Supports Inquiry</i>
2:55–3:10	Kyeong Hah Roh <i>Designing and facilitating ways to advance IBL</i>	<i>Panel Discussion:</i> Ed Parker, Matt Jones, David Clark, & Ron Taylor	Matt Leingang <i>Social Media in Inquiry-Based Learning</i>	Tatiana Shubin <i>Hold an infinity of questions in a piece of grid paper</i>	

- 3:10–3:30** **Break (Executive Corridor)**
- 3:30–4:00 Chris Sangwin, Chris Good, and Matthew Badger, University of Birmingham
The Moore Method in the UK: IBL at Birmingham
- 4:05–4:30 Five-Minute Talks, Session III
- 4:30–5:00 Panel Discussion—What Resources Are Available to Me?
 AIBL and Visiting Speakers' Bureau—Stan Yoshinobu and Mark Stankus
 JIBLM and the Geometry Project—David Clark

5:00–6:30 **Reception at the Carriage House, MAA Headquarters**

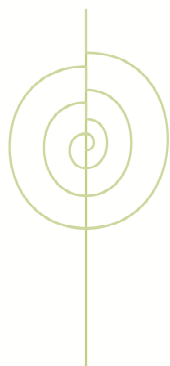
**Saturday, 4 June
Maryland Suites**

MC: Lee May

- 7:30–8:30** **Buffet Breakfast (Executive Corridor)**
- 8:30–9:30 Sandra Laursen, University of Colorado
*What has Ally Learned? Outcomes for Students and Teachers of IBL
Mathematics Courses*
- 9:30–9:45** **Break (Executive Corridor)**
- 9:45–10:45 Five-Minute Talks, Session IV
- 10:45–11:45 Ron Douglas, Texas A&M University
IBL Centers Update
- 11:45–12:00** **Concluding Remarks**
Jacqueline Jensen and Ron Taylor
-

In Memoriam

William “Bill” Mahavier
1930–2010



R.L.MOORE THE LEGACY OF
 $F(x) = \frac{1}{m} \frac{2x}{a} + \frac{1}{m} \frac{1}{a} \sqrt{a^2 - 2^2}$
 $D.F(x) = a^2 \cos(b) - a^2 \frac{+ \cos 2}{4}$
 $F(x) = \frac{a}{b(x)} + \frac{a}{4} m a^2(x)$

The Educational Advancement Foundation
2303 Rio Grande Street • Austin, Texas 78705
(512) 469-1700 • eduadvance.org • legacyrlmoore.org