



# THE LEGACY OF R.L. MOORE

## Strengthening Mathematics Education



### Visit the Legacy Exhibit Booth Devoted to Student-Centered, Inquiry-Based Learning

- Join the **Academy of Inquiry-Based Learning** — the networking group of new and experienced IBL teachers offering support through mentoring, visiting speakers, and mini-grants.  
[www.inquirybasedlearning.org](http://www.inquirybasedlearning.org)
- Meet volunteer Project NEXt fellows and Moore students.
- Pick up **free literature** (in print and CD) on the Moore Method, and on Guided Discovery and Inquiry Based Learning.
- View extracts from **Creativity in Mathematics**, the video recommended by Keith Devlin (*Devlin's Angle*, February 2011). Produced by David Garrigus and available on YouTube.

Photos are from the 16<sup>th</sup> Annual Legacy of R.L. Moore Conference in Austin, TX, June 2013.

The next conference will be in Denver, CO, 19-21 June 2014. For further information please visit [LegacyRLMoore.org/events.html](http://LegacyRLMoore.org/events.html) or Legacy on Facebook.

See overleaf for Baltimore meeting talks.

**Among the Many Interesting Presentations on the Program,  
Some Relating Directly to Inquiry-Based Learning:**

For additional presentations see [www.LegacyRLMoore.org/events.html](http://www.LegacyRLMoore.org/events.html)

Wednesday January 15, 2014

8:40am *A Modified-Moore Method in Precalculus*  
**Brad Bailey**, University of North Georgia  
Rm. 339, Baltimore Convention Center

9:40am *The Sound of Mathematics: Pythagorean Music and Beyond*  
**Randall E. Cone**, Virginia Military Institute  
Rm. 338, Baltimore Convention Center

3:00pm *Using Inquiry-Based Learning in Courses for Prospective Elementary Teachers*  
**Stan Yoshinobu**, Cal Poly San Luis Obispo  
Rm. 347, Baltimore Convention Center

3:20pm *Effective Thinking and Mathematics*  
**Michael Starbird**, University of Texas at Austin  
Ballrooms I&II, 4<sup>th</sup> Fl., Baltimore Convention Center

4:15pm *Two sets of Moore-Method Analysis notes and two websites that support them*  
**William T. Mahavier**, Lamar University  
Rm. 349, Baltimore Convention Center

4:55pm *Gently Introducing IBL in Advanced Calculus*  
**Robert W. Vallin**, Slippery Rock University  
Rm. 349, Baltimore Convention Center

Thursday January 16, 2014

9:00 – 11:50am *MAA Invited Paper Session on Mathematics and Effective Thinking, I*  
**Edward Burger**, Southwestern University; **J. Michael Pearson**, MAA; **Stan Yoshinobu**, Cal Poly San Luis Obispo; **Jodi Cotten**, Westchester Community College, Valhalla, NY; **Sandra Laursen**, University of Colorado Boulder; **David Bressoud**, Macalester College  
Rm. 307, Baltimore Convention Center

10:30am *An IBL Approach to Advanced Calculus that Incorporates Proficiency*  
**Scott Beaver**, Western Oregon University  
Rm. 348, Baltimore Convention Center

10:40am *Successes and Failures of Inquiry-Based Learning in an Introduction to Proofs Course*  
**Rachel Esselstein**, California State Univ. Monterey Bay  
Rm.339, Baltimore Convention Center

10:40am *Holistic, Diagnostic Grading Rubric for Student Presentations in an IBL Geometry Course*  
**Nina Juliana White**, University of Michigan  
Rm. 340, Baltimore Convention Center

11:00am *How Important is the Final Answer? Using Inquiry-Based Learning in an Introductory Proofs Course*  
**Susan Crook**, Loras College  
Rm. 339, Baltimore Convention Center

Thursday, January 16, 2014 (Cont.)

11:20am *Using an Inquiry-Based Learning Approach in Introduction to Proofs and Advanced Calculus Course*  
**Jim Fulmer** and **Tom McMillan**, University of Arkansas at Little Rock  
Rm. 339, Baltimore Convention Center

1:00 – 4:00pm *MAA Invited Paper Session on Mathematics and Effective Thinking, II*  
**Paul Zorn**, St. Olaf College; **Katherine Socha**, Math for America; **Deborah J. Bergstrand**, Swarthmore College; **Carol Schumacher**, Kenyon College; **Francis Edward Su**, Harvey Mudd College  
Rm. 307, Baltimore Convention Center

Friday, January 17, 2014

8:45am *An Inquiry-Based Approach to Teaching Parameterization*  
**Fabiana Cardetti**, University of Connecticut; **Nicole DeMatteo**, Providence College; **Jonathan Dollar**, Emory University; **Gabriel Feinberg**, Haverford College  
Rm. 348, Baltimore Convention Center

1:00pm *Group Work & Modified Moore Method in Flipping Calculus 1*  
**Karen Bliss**, Quinnipiac University  
Rm. 337, Baltimore Convention Center

2:40pm *Flipping Intermediate Algebra*  
**Jacqueline A. Jensen-Vallin**, Slippery Rock University  
Rm. 337, Baltimore Convention Center

Saturday, January 18, 2014

2:00pm *How About a Free Set of IBL Calculus Notes that Covers all of Calculus I, II and III?*  
**William T. Mahavier**, Lamar University  
Rm. 340, Baltimore Convention Center

2:30pm *Inquiry-Based Problem Solving Strategies through Interactive Approaches for Engaging Students in Mathematics*  
**Padmanabhan Seshaiyer** and **Jennifer Suh**, George Mason University  
Rm. 314, Baltimore Convention Center

3:00pm *Resources to Aid the Transition into an IBL Mathematics Course*  
**Gabriel Feinberg**, Haverford College; **Lily An**, Williams College; **Victoria Lewis**, California State University Sacramento; **Fabiana Cardetti**, University of Connecticut  
Rm. 347, Baltimore Convention Center

3:15pm *Inquiry-Based Learning and Hybrid Inquiry-Based Learning in College Geometry*  
**Ali S. Shaqlaih**, University of North Texas at Dallas  
Rm. 347, Baltimore Convention Center