



# R.L. MOORE THE LEGACY OF

## Visit the Legacy Exhibit Booth

- Learn how to 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.



**Legacy of R.L. Moore Conference**  
Washington DC, June 2011.

Co-sponsored by the  
Mathematical Association of America

The video record and program are  
available on the web at  
[www.legacyrlmoore.org](http://www.legacyrlmoore.org)

The Educational Advancement Foundation  
2303 Rio Grande Street • Austin, TX 78705  
(512) 236-8211 • [www.eduadvance.org](http://www.eduadvance.org)

(See verso  
for talks of  
interest)

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

**Wednesday January 4, 2012, 8:00 a.m.-10:50 a.m.**

AMS Special Session on the Mathematics of Decisions, Elections, and Games, I  
Exeter, 3rd Floor, Marriott

8:00 a.m.

*The Separability Problem in Referendum Elections: Some Recent Developments.*

**Jonathan K. Hodge**, Grand Valley State University

**Wednesday January 4, 2012, 2:15 p.m.-5:50 p.m.**

MAA Session on the Scholarship of Teaching and Learning in Collegiate Mathematics, II  
Room 202, Hynes

3:35 p.m.

*Using Inquiry Based Learning to Enhance Student Attitudes in Complex Analysis.*

**Edwin P Herman**, University of Wisconsin-Stevens Point

4:15 p.m.

*Collaborative peer review between two IBL number theory courses.*

**Dana C. Ernst**, Plymouth State University

**Angela Hodge**, University of Nebraska of Omaha

**Andrew Schultz**, Wellesley College

**Thursday January 5, 2012, 9:00 a.m.-11:15 a.m.**

MAA Session on Preparing College Students for Calculus  
Back Bay Ballroom C, 2nd Floor, Sheraton

11:00 a.m.

*Preparing your calculus students: An inquiry-based algebra review.*

**Angie Hodge**, University of Nebraska at Omaha

**Thursday January 5, 2012, 1:00 p.m.-3:55 p.m.**

MAA Session on Research on the Teaching and Learning of Undergraduate Mathematics, II  
Room 202, Hynes

1:00 p.m.

*Assessing Suitability of Grades and Course-Taking Patterns as Measures of Long-term Student Outcomes following Inquiry-Based Learning Experiences.*

**Marina Kogan**, University of Colorado, Boulder

**Sandra Laursen**, University of Colorado, Boulder

**Thursday January 5, 2012, 1:00 p.m.-3:35 p.m.**

MAA Session on the Mathematics of Sudoku and Other Pencil Puzzles, II  
Room 312, Hynes

2:20 p.m.

*Radon-Kaczmarz Puzzles: CAT Scans Meet Sudoku.*

**Julian F Fleron**, Westfield State University

**Volker Ecke**, Westfield State University

**Christine von Renesse**, Westfield State University

**Philip K Hotchkiss**, Westfield State University

**Thursday January 5, 2012, 2:00 p.m.-4:00 p.m.**

MAA Poster Session on Projects Supported by the NSF  
Division of Undergraduate Education  
Veteran's Auditorium, 2nd floor, Hynes

*Research, Dissemination, and Faculty Development of Inquiry-Based Learning (IBL) Methods in the Teaching and Learning of Mathematics.*

**Ralf Spatzier**, University of Michigan

*Discovering the Art of Mathematics.*

**Julian F. Fleron**, Westfield State University

**Volker Ecke**, Westfield State University

**Philip K. Hotchkiss**, Westfield State University

**Christine von Renesse**, Westfield State University

*Discovery Learning Projects in Introductory Statistics.*

**Brad Bailey**, North Georgia College & State University

**Dianna Spence**, North Georgia College & State University

**Sherry L Hix**, North Georgia College & State University

*Assessing Faculty Practice and Faculty Development on Inquiry-Based Learning and Teaching in Undergraduate Mathematics.*

**Sandra Laursen**, University of Colorado Boulder

**Marina Kogan**, University of Colorado Boulder

**Friday January 6, 2012, 8:00 a.m.-10:55 a.m.**

MAA General Contributed Paper Session: Teaching Mathematics Beyond the Calculus Sequence  
Room 201, Hynes

8:45 a.m.

*Scaffolding for Inquiry Instruction in Mathematics.*

**Mark L. Daniels**, UTeach Program Natural Sciences/  
University of Texas at Austin

9:00 a.m.

*An inquiry-based, writing intensive introduction to proofs course.*

**Carl Mummert**, Marshall University

**Saturday January 7, 2012, 8:00 a.m.-10:55 a.m.**

MAA Session on the Mathematical Preparation of Teachers: The Impact of the Common Core State Standards Initiative, I  
Room 310, Hynes

10:00 a.m.

*Inquiry-Based Courses at UAB for Prospective Elementary and Middle School Teachers Modeling the Standards for Mathematical Practice.*

**Tommy Smith**, University of Alabama at Birmingham

**John C Mayer**, University of Alabama at Birmingham

**Donna Ware**, University of Alabama at Birmingham

Plus six **AMS Sessions on Undergraduate Research** meeting consecutively from Wednesday through Saturday.

(See overleaf  
for more.)