The Educational Advancement Foundation

presents

The 10th Annual Legacy of R.L. Moore Conference

April 12–14, 2007

Program Committee Co-Chairs

Lee May Robert Eslinger Walker White

The home of the Educational Advancement Foundation is in the house that R.L. Moore lived in from 1920 to 1974 in the West Campus neighborhood of the University of Texas at Austin. Now a City of Austin Landmark, the building was originally located a block away on West 23rd Street and moved in 2000 to its present site, pictured here, in order to rescue it from demolition.

All meetings are in the Rio Grande Room unless otherwise noted.

Thursday, 12 April

11:00 **Registration Begins**

MC: Lee May, Salisbury University

1:00—1:30 William "Bill" Mahavier, Emory University
How to Teach a Moore Method Introduction-to-Proof Course in Analysis with No Epsilons or Deltas

1:30—2:30
- Tina Straley, Executive Director, Mathematical Association of America
  The Year of Euler
- Lawrence Fearnley, Brigham Young University
  An R.L. Moore Treatment of Analysis
- Nell Kroeger*, Independent Consultant
  Judy Kennedy, University of Delaware
  Empowering Women and Minorities through IBL
- **Five-Minute Reports, I**

2:30—3:00 **Break for Refreshments (Brazos I & II)**

3:00—4:20 **Contributed Presentations (See abstracts booklet.)**

	Rio Grande	Brazos III	Guadalupe	Pecos
3:00—3:20	Dante A. Tawfeeq *Hempstead's Mathematical Inquiry*	Michel Smith *The Moore Method and High School Teachers*	Casey Dalton *Assessments That Improve Proof Writing*	Jonathon Hodge *A Moore-Inspired Advanced Calculus Course at Grand Valley State University*
3:20—3:40	Laurie Cavey *The MathNerds Mentoring Network Assessment Team*	Edgar Parker *Moore Method in an Interdisciplinary Freshman Seminar*	John R. Jungck *A Highly Interactive Biologically Oriented Finite Mathematics*	Cornelius Stallmann *Five Years of Moore Method Calculus at Augusta State University*
3:40—4:00	Susie W. Hakansson *Implications of Inquiry-Based Learning Workshop*	Alfredo Jimenez *What If? Mathematics as a Language and a Model of Inquiry and Reasoning, and Analytic Geometry*	Harvard University IBL Project Report Bret Benesh Matthew Leingang Thomas Judson 1)*IBL Courses for Teachers* 2) *Using Japanese Lesson Study to Advance IBL in the Middle and High School Classroom*	Glenn Hurlbert *Discovering Linear Optimization*
4:00—4:20	M. Dee Medley *Modified Moore Method for Introductory Computer Science*	Gregory D. Foley *Advanced Quantitative Reasoning*		William Donnell *Discovering Divisibility Tests*

4:30—5:00	W. Ted Mahavier Laurie O. Cavey Wendy R. Woodland *Mathematics Mentoring Networks*	Michael Starbird IBL Project Report, University of Texas at Austin		Bill Jacob IBL Project Report, University of California—Santa Barbara

6:00—7:00 **Reception — Cash Bar (Brazos III)**

7:00—9:00 **Dinner (Rio Grande)**
Jeanne Narum, Project Kaleidoscope (PKAL)
Questions, Observations, and Predictions: Considering the Past, Present and Future of Inquiry-Learning in STEM Fields

Friday, 13 April

MC: Morning, Lee May; Afternoon, Robert "Bob" Eslinger , Hendrix College

7:30—8:30 **Continental Breakfast (Brazos I & II)**

8:30—9:15 Elwood Parker, Guilford College
Rudy Gordh, Guilford, College
The Guilford Environment

9:15—10:00 Stan Yoshinobu, California State University—Dominguez Hills
The Summer 2006 Inquiry-Based Learning Workshop

10:00—10:30 **Break for Refreshments**

10:30—11:00 David M. Clark*, State University of New York—New Paltz
W. Ted Mahavier, Lamar University
The Online Journal of Inquiry-Based Learning in Mathematics, MathNerds, etc.

11:00—11:10 **Reflections on Ten Years of the Legacy of R.L. Moore Project**
Albert Lewis and Harry Lucas, Jr.

11:10—11:45 **Five-Minute Reports, II**

11:45—1:00 **Lunch (Rio Grande)**
Peter Bruns, Howard Hughes Medical Institute
Bio 2010: IBL Early and Often

1:00—1:30 John W. Neuberger, University of North Texas
Implementing the Moore Method at the Graduate Level

1:30—2:00 Jay Malone, History of Science Society
Practical Suggestions on Administration in the Academic World

2:00—2:30 **Break for Refreshments**

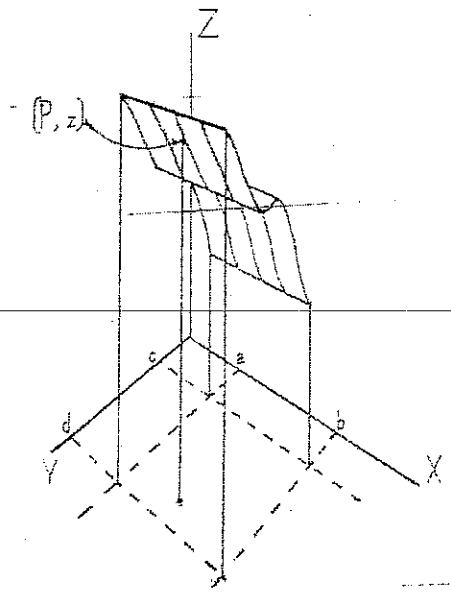
2:30—3:00 James A. Davis, University of Richmond
LUREing Students into Mathematics at the University of Richmond

3:00—3:45 Max Warshauer, Texas State University
Terry McCabe, Texas State University
& Past and Present Mathworks Students: Cody Patterson, David Price, Stephanie Chan, and Karen Vasquez
Mathworks

3:45—5:00 **Five-Minute Reports, III**

6:00—7:00 **Cash Bar (Brazos III)**

7:00—9:00 **Buffet Supper (Rio Grande)**
Carol Schumacher, Kenyon College
Building Bridges



"The statement that f is a *simple surface* means that f is a collection, each element of which is an ordered pair (P, z), whose first or left most member P is a point and whose second or right-most member z is a number, such that no two ordered pairs in f have the same first member." H. S. Wall, *Creative Mathematics* (1963; reprinted by EAF 2006).

Saturday, 14 April

MC: Lee May

7:30—8:30	**Continental Breakfast**
8:30—10:00	The Five IBL Projects: Ronald Douglas, Texas A&M University Harvard University University of California, Santa Barbara University of Chicago University of Michigan University of Texas at Austin
10:00—10:30	**Break for Refreshments**
10:30—11:45	**Five-Minute Reports, IV**
11:45—12:00	Concluding Remarks

Optional Workshop (Rio Grande)

12:00—1:30	Box Lunches for Workshop participants
1:30—3:00	Edward "Ed" Burger, Williams College *How NOT to Teach an Introduction-to-Proof/Discrete Math Course—A Practical Introduction to IBL*

EAF

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