

# Using Inquiry Based Learning in Mathematics for Liberal Arts Courses

## Session Schedule

### Session I: Friday January 10, 8:00 - 11:00 am

|       |                           |              |   |
|-------|---------------------------|--------------|---|
| 8:00  | Wayne Tarrant             | 1086-r1-445  | Using Game Theory in a Math for Liberal Arts Course.  |
| 8:20  | Russell D. Blyth          | 1086-r1-1881 | Improved appreciation of mathematics through an IBL liberal arts mathematics course.              |
| 8:40  | G. Edgar Parker           | 1086-r1-677  | Moore Method in a Mathematics for Liberal Arts Course.  |
| 9:00  | T J Hitchman<br>Doug Shaw | 1086-r1-1615 | Tailoring IBL techniques to liberal arts mathematics classes without losing integrity or quality. |
| 9:20  | Ali S. Shaqliah           | 1086-r1-1492 | Hybrid Inquiry Based Learning in Math for Elementary Teachers Courses.                            |
| 9:40  | Yousef George             | 1086-r1-2766 | A Math Circle as an MLA Course.   |
| 10:00 | Ryan P. Dunning           | 1086-r1-107  | Introduction to proof in an IBL setting for the liberal arts.                                     |
| 10:20 | John Paul Cook            | 1086-r1-2038 | Making the Abstract Concrete: Teaching Rings and Fields in a Liberal Arts Mathematics Course.     |
| 10:40 | James C. Price            | 1086-r1-372  | Using Dialogue Based Activities and Manipulatives in Inquiry Based Learning.                      |

### Session II: Friday January 10, 2:40 - 5:00 pm

|      |  |              |  |
|------|--|--------------|--|
| 2:40 | Sloan E. Despeaux                          | 1086-r1-375  | Oulipo: Applying Mathematical Constraints to Poetry, Prose, Art, Dance and More in a Mathematics for Liberal Arts classroom. |
| 3:00 | Teresa E. Moore and<br>L. Christine Kinsey | 1086-r1-2328 | Exploring the Math of Celtic Knots.  |
| 3:20 | Michael Starbird                           | 1086-r1-2473 | Teaching Effective Thinking.   |
| 3:40 | Volker Ecke and<br>Christine von Renesse   | 1086-r1-983  | Dance and ribbon Patterns in maypole dancing.  |
| 4:00 | E. Lee May                                 | 1086-r1-2934 | "Statistics through Baseball": The Moore Method in Liberal-Arts Mathematics.   |
| 4:20 | Susan K. Staats                            | 1086-r1-1495 | Interdisciplinary Math for Non-STEM Students: Curriculum Design to Facilitate Faculty Teaching Across Disciplines.           |
| 4:40 | Gregory Moore                              | 1086-r1-1457 | Engaging Operations Research Students with Local Reservoir Management Problems.  |