

Schedule for 1997 ACMS Conference

Note: All sessions are in Blanchard 339 unless indicated otherwise

Wednesday, May 28

- 3:00-5:10 PM "Fractal Geometry and Chaos Theory: From Old Problems to New Models and Methods"
by Terry Perciante (Wheaton College)
- 5:15-6:00 Dinner (Anderson Commons)
- 7:00-8:30 Session on Sharing of Interests (See separate sheet)
- 8:30 PM Reception
- 9:30-10:00 Video - "Masters of Illusion" (See separate sheet)

Thursday, May 29

- 7:15-8:00 AM Breakfast
- 8:15-8:30 Musical interlude (provided by Paul Isihara and Stefan Brandle)
- 8:30-8:50 Devotions - Alice Iverson (North Park College)
Welcome and Announcements
- 8:50-10:10 "Circles of the Gods: Copernicus, Kepler, and the Ellipse"
by Owen Gingerich (Smithsonian Institution and Harvard University)
- 10:10-10:30 Break
- 10:30-11:00 "Some Questions on the Role of Mathematics in Culture"
by James Bradley (Calvin College)
- 11:00-12:00 "The Amazing Role of Linear Algebra in Modern Society"
by David Lay (Univ. of Maryland)
- 11:45-1:00 PM Lunch (also meeting of ACMS Board Members)

Session 1: (Blanchard 339)

- 1:45-2:15 "Using JAVA and HTML in linear algebra Instruction"
by Jonathan Senning (Gordon College)
- 2:15-2:45 "Using Interactive Texts for linear algebra"
by John Wicks (North Park College)
- 2:50-3:20 "History and current situation of Christianity in Russia, and the Believers among Russian
Scientists" by Gennadly Kalyabin (Russia)
- 3:20-3:50 "A Study of Learning Behavior"
by Angela Hare (Messiah College)

Session 2: (Blanchard 222)

- 1:45-2:05 "A Student-solved Monthly Problem-Finding a Closed Form for the Number of Iterations"
by Anne Martin (student at Westmont College)
- 2:05-2:45 "Extra-curricular Activities for Math Majors"
by Carol Harrison (Susquehanna University)
- 2:50-3:20 "Teaching Generalization and Reduction"
by Erlan Wheeler (Carthage College)
- 3:20-3:50 "On Binary Quadratic Forms"
by Alain Togbé (Canada)
- 3:50-4:05 Break
- 4:05-5:00 Informal Discussion with Owen Gingerich
- 5:15-6:00 Dinner
- 7:00-7:45 Video - "Music of the Spheres"
- 8:00-8:45 Video - "The Art of Renaissance Science: Galileo and Perspective"
- 9:00-10:00 Video - "N is a Number: A Portrait of Paul Erdős"

Friday, May 30

- 7:15-8:00 AM Breakfast
- 8:15-8:30 Musical interlude (Provided by Paul Isihara and Ruth Bamford)
- 8:30-8:40 Devotions - Mike Stob (Calvin College)
- 8:45-10:00 "How Galileo Changed the Rules of Science"
by Owen Gingerich (Smithsonian Institution and Harvard University)
- 10:00-10:30 "The Mathematical Sciences and the Mediator of Creation"
by David Laverall (Calvin College)
- 10:30-11:00 Conference photo and break
- 11:00-11:45 ACMS Business Meeting
- 11:45-1:00 PM Lunch

Session 1: (Blanchard 339)

- 1:30-2:30 "A Tale of Two Transitions"
moderated by David Klanderma (Trinity Christian College)
with papers by Sharon Robbert (Trinity Christian College)
and Robert Wheeler (Northern Illinois University)
- 2:35-3:05 "Mathematics and Chartres Cathedral"
by Dick Stout (Gordon College)
- 3:05-3:35 "The Role of Mathematics in the Christian Liberal Arts College"
by David Neuhouser (Taylor University)

Session 2: (Blanchard 222)

- 1:30-2:00 "Solomon's Seas and II: 7 Explanations"
by Andrew Simoson (King College)
- 2:00-2:30 "Hyperbolic Geometry with Geometer's Sketchpad"
by Robert Frank (Seton Hall College)
- 2:35-2:50 "Exploring Various Methods of Interpolation"
by Mark Roberts (Southwest Baptist University)
- 2:55-3:35 "Digital Filtering and Smoothing: A Student Simulation Project"
by Eric Gossett (Bethel College)

3:35-3:50 Break

- 3:50-5:00 Discussion groups (See separate sheet)
- 6:30 Reception (Anderson Commons - South Room)
- 7:00 Banquet and program

Saturday, May 31

- 7:30-8:15 AM Breakfast
- 9:00-9:30 "Mathematics and Values"
by Mike Veatch (Gordon College)
- 9:35-10:10 "Heaven and Earth in C.S. Lewis' Mathematical Interpretation"
by Steve Harnish (Bluffton College)
- 10:10-10:30 Break
- 10:30-11:30 Praise Service (Kresge Room - East Wing of Edman Chapel)
led by Gene Chase (Messiah College)
- 11:45-1:00 Optional Lunch (not in package plan)
- 1:00 PM Check out of Fischer Hall (Return key to lobby; place linens in pillowcase and drop in linen bin marked for ACMS)