

ACMS 18TH BIENNIAL CONFERENCE SCHEDULE

WESTMONT COLLEGE, JUNE 1–4, 2011

WEDNESDAY, JUNE 1

- 5:30 – 6:30 p.m. Dinner
- 7:00 – 8:30 p.m. Opening Session (Winter Hall, Room 210)
Introduction of first-time participants
Invited Address: Art Benjamin, Harvey Mudd College
Mathemagics!
- 8:30 – 9:30 p.m. Refreshments

THURSDAY, JUNE 2

- 7:45 – 8:45 a.m. Breakfast
- 9:00 – 9:30 a.m. Welcome from Gayle Beebe (President of Westmont); Devotional (Room 210)
- 9:30 – 10:30 a.m. Invited Address: Art Benjamin, Harvey Mudd College (Room 210)
Combinatorial Trigonometry (and a method to DIE for)!
- 10:30 – 11:00 a.m. Break
- 11:00 – 12:00 p.m. Invited Address: Fred Brooks, University of North Carolina (Room 210)
The Computer Scientist as Toolsmith
- 12:00 – 1:00 p.m. Lunch (ACMS board meets during this time)
- 1:30 – 2:30 p.m. Contributed Papers: Assorted Mathematical Topics, I (Room 106)
Nicholas Zoller: “The Mathematics of Cubic Sudoku”
Brian Beasley: “Waring’s Problem and Extensions”
Bryant Mathews: “Tropical Mathematics”
Contributed Papers: Assorted Computer Science Topics (Room 216)
Nathan Gossett: “The Need for Graphics in Computer Science”
Gene Rohrbaugh: “The Moral Status of Intelligent Machines”
Wayne Iba: “Real Simulations and Simulated Reality”
- 2:30 – 3:30 p.m. Break
- 3:30 – 4:30 p.m. Contributed Papers: Faith and the Mathematical Sciences, I (Room 106)
Jason Wilson: “Natural Law in the Secular vs. Biblical Mind”
Jeremy Case: “Preacher-Kid Mathematicians”
Loredana Ciurdariu: “Pascal’s Thoughts and the Scriptures”
Contributed Papers: Mathematics and Pedagogy, I (Room 216)
Kristen Camenga: “Reflections on a Capstone Course”
Rebekah Yates: “Linear Algebra as a Discussion Class”
Steve Lovett: “Bringing REU into the Classroom”
- 4:30 – 5:30 p.m. Discussion with Fred Brooks (Room 210)
- 5:30 – 6:30 p.m. Dinner
- 7:00 – 8:00 p.m. “Divide and Conquer or Merge and Maximize?” (Panel/Discussion, Room 106)
Joint vs. separate Mathematics and Computer Science Programs
Phillip Lestmann, Michael Stob, David Stucki, Maria Zack
- 8:00 – 9:00 p.m. “Computer Science and ACMS” (Discussion, Room 106)
Led by Matt DeLong and the ACMS board
- 9:00 – 10:00 p.m. Observatory Viewing

FRIDAY, JUNE 3

- 7:45 – 8:45 a.m. Breakfast
- 9:00 – 9:30 a.m. Devotional and Announcements (Room 210)
- 9:30 – 10:30 a.m. Invited Address: Glen Van Brummelen, Quest University (Room 210)
Mathematics Across Cultures: How Can Worldview Affect Mathematics?
- 10:30 – 11:00 a.m. Conference Photo (Winter Hall Lawn) and Break
- 11:00 – 12:00 p.m. Contributed Papers: Mathematics and Statistics (Room 106)
Mike Stob: “*R* on the Cloud”
Sam Wilcock: “A Bayesian Secondary Analysis in an Asthma Study”
Talithia Williams: “The Misapplication of Statistics in American Life”
Contributed Papers: Computer Science in the Liberal Arts (Room 216)
Gene Rohrbaugh: “The Place of Computing in the Liberal Arts”
Ryan Botts: “Lessons Learned: A Journey in Computational Science”
Lori Carter: “Lessons Learned: A Journey in Computational Science”
Open Discussion: “Computer Science in the Liberal Arts”
- 12:00 – 1:00 p.m. Lunch
- 1:30 – 2:30 p.m. Invited Address: Glen Van Brummelen, Quest University (Room 210)
Trigonometry, Ancient Astronomy, and the Birth of Applied Mathematics
- 2:30 – 3:30 p.m. Break
- 3:30 – 4:30 p.m. Contributed Papers: Assorted Mathematical Topics, II (Room 106)
Michael Rempe: “The 25 Billion Dollar Linear Algebra Problem”
Justin Marks: “Pattern Recognition in Large Data Sets”
Jonathan Leech: “Skew Lattices in Algebra and Computer Science”
Contributed Papers: Philosophical/Historical Topics, I (Room 216)
Gordon Swain: “History of the Area Between a Line and a Parabola”
Robert Brabenec: “Thinking Philosophically about Mathematics”
Maria Zack: “Using Original Historical Texts in the Classroom”
- 4:30 – 5:30 p.m. Contributed Papers: Faith and the Mathematical Sciences, II (Room 106)
Mark Colgan: “Connecting Calculus with Biblical Ideas”
David Stucki: “Teaching Infinity, and Beyond!”
Josh Wilkerson: “Faith, Mathematics, and Process Theology”
Contributed Papers: Mathematics and Pedagogy, II (Room 216)
Mary Walkins: “History of Mathematics: An Exercise in Strengths”
Judy Palagallo: “Calculus Communication Circles”
Nicholas Willis: “Two Integrative Projects for Freshman Majors”
- 6:00 – 7:30 p.m. Conference Banquet (Founders’ Room in the Dining Commons)

SATURDAY, JUNE 4

- 7:45 – 8:45 a.m. Breakfast
- 9:00 – 10:00 a.m. Contributed Papers: Book Projects Relating Faith and Mathematics (Room 106)
Doug Phillippy: “A Text with a Christian Perspective”
Panel: “ACMS Project: *Mathematics Through the Eyes of Faith*”
Jim Bradley, Matt DeLong, Russell Howell, Kim Jongerius,
Steve Lovett, Robert Myers, Ray Rosentrater, Kristen Schemmerhorn
- Contributed Papers: Philosophical/Historical Topics, II (Room 216)
Donna Pierce: “Study Abroad Program: Worldview Perspectives”
Nathan Moyer: “Connecting Students with Philosophy, History, Faith”
Eric Gossett: “The Search for Hamilton”
- 10:00 – 10:30 a.m. ACMS Business Meeting (Room 210)
- 10:30 – 11:45 a.m. Sharing and Worship Service (Room 210)
- 12:00 – 1:00 p.m. Lunch

CAMPUS MAP

