ACMS 2001
Tentative Program

Please Note

• This schedule is subject to change. An official schedule will be distributed at the conference.

• Unless otherwise indicated, most events take place in the Commons Lecture Hall which is located on the basement level of the Commons Annex. One exception to this is the parallel sessions on Thursday and Friday afternoons. Those sessions will be in the Science Building:

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<th>Session</th>
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<td>I</td>
<td>SB 010</td>
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<td>II</td>
<td>SB 110</td>
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• For meals in the Commons Dining Hall, meal times listed are times that the serving lines are open. You may remain and continue eating after the serving lines have closed.

• The conference phone number is 616-560-5882.

Wednesday, May 30

4:00–5:30  Arrival and Registration in Commons Annex Lobby
5:30–6:15  Dinner in Commons Dining Hall
7:00      Welcome
7:20–8:05  Three Problems from Number Theory
          Robert Brabenec, Wheaton College
8:10–8:40  Parables for Mathematicians
          Ashley Reiter, University of Chicago
8:45–9:00  Mathematics in a Post-Modern Age: A Christian Perspective
          James Bradley, Calvin College and Russel Howell, Westmont College
9:00–10:00 Book Reception
Thursday, May 31

6:30–8:00  Breakfast in Commons Dining Hall
8:00–9:00  Registration in Commons Annex Lobby
8:15–8:40  Informal Singing
8:40–8:50  Devotions – Dick Stout, Gordon College
8:50–9:00  Welcome
9:00–10:00 Invited Lecture
The Probabilistic Detection of Design
William Dembski, Baylor University

10:00–10:40 Break
10:40–11:10 Writing to Learn Mathematics: Some Ideas and Strategies
Dick Stout, Gordon College

11:15–11:45 Mathematics and Study Abroad Trips
Maria Zack, Point Loma University

11:45–1:15 Lunch in Commons Dining Hall
1:15–2:15 Invited Lecture
Arrhythmias by Dimension
James Keener, University of Utah

2:15–2:30 Break
2:30–3:15 The Soviet Concept of the Correlation of Forces
James Bradley, Calvin College

3:20–3:50 College Students Misconceptions of the Graphical Representation of Speed
Esther Billings, Grand Valley State University; David Klanderman, Trinity Christian College

3:55–4:35 Colin Maclaurin’s Account of Isaac Newton’s Natural Philosophy
Barry Danylak, Lucent Technologies

4:50–5:20 (I)  What Mathematical Paradoxes Teach Us about Paradoxes in Christianity
Paul Bialek, Trinity International University

4:50–5:20 (II) Two Competing Definitions of Chaos:
Does Devaney’s definition of SDIC imply a positive Lyapunov exponent?
Tim Pennings, Hope College

5:25–5:55 (I)  Integration of a Christian perspective in the mathematical sciences
Johan De Klerk, Potchefstroom University

5:25–5:55 (II)  Theism and Mathematical Realism
John Byl, Trinity Western University

6:45 Punchbowl and music
7:15 Banquet
9:00– Choir Rehearsal, Table Tennis, etc.
Friday, June 1

6:30–8:00  Breakfast in Commons Dining Hall
8:15–8:40  Informal Singing
8:40–9:00  Devotions – Wayne Roberts, Macalester College
9:00–10:00 Invited Lecture
New Directions in Information Theory: From Shannon Information to Specified Complexity
William Dembski, Baylor University
10:00–10:40 Break and Conference Photograph
10:40–11:10 Question and Answer Session with William Dembski
11:15–11:45 Mathematics as Worship
David Stucki, Otterbein College
11:45–1:15 Lunch in Commons Dining Hall
1:15–2:15 Invited Lecture
Quorum Sensing: How Bacterial Cells Count
James Keener, University of Utah
2:15–2:30 Break
2:30–3:00 Question and Answer session with James Keener
3:00–3:40 Biological Contingency
Rebecca Flietstra,
3:45–4:25 Gravitational Acceleration in Hades
Andrew Simoson, King College
4:40–5:10 (I) Arnost Kolman: Marxism, science and the war against Christianity
Charles E. Ford, Saint Louis University
4:40–5:10 (II) On the Rank of Apparition of Certain Primes in the Fibonacci Sequence
John Jaroma, Lake Superior State University
5:15–5:45 (I) Scientific freedom and Christianity: Father Florensky and Galileo
Dimitri Bayuk, Institute for History of Science, Moscow
5:15–5:45 (II) Periodic points of maps of trees and the expansive property
Fred Worth, Henderson State University
6:30–8:00  Picnic Dinner
8:15–9:15  River City Improv in Gezon Auditorium
Saturday, June 2

6:30–8:00  Breakfast in Commons Dining Hall
8:30–9:00  Business Meeting
9:15–9:45  Mathematics Memory Verses: Weekly Devotionals for Math Class
           Mark Colgan, Taylor University
9:50–10:40 Computer Aided Theology?
            Harry Plantinga, Calvin College
11:00–12:00 Worship – Gene Chase, Messiah College