

Contents

Introduction	2
Conference Schedule	3
Abstracts of all parallel session presentations	4
Catherine Bareiss and Larry Vail <i>Computing Foundations for the Scientist</i>	14
Brian D. Beasley <i>Euler and the Ongoing Search for Odd Perfect Numbers</i>	21
Ron Benbow <i>Explore Global Opportunities for Mathematics Scholarship, Teaching, and Service</i>	32
Loredana Ciurdariu <i>Philosophy of “Spinning Wheels”</i>	38
Karl-Dieter Crisman <i>Open Source Software: What is it, and why should we care?</i>	47
Dave Klanderma, Josh Wilkerson, Maria Zack, Moderator: Karl-Dieter Crisman <i>Service-Learning Panel</i>	53
Catherine Crockett <i>A Different Approach</i>	56
Greg Crow and Maria Zack <i>Delaware, Dickeson, Assessment and How You Can Help</i>	62
Matt DeLong <i>The Unity of Knowledge and the Faithfulness of God: The Theology of Mathematical Physicist John Polkinghorne</i>	71
Nathan Gossett, Adam Johnson <i>Mapping Biblical Commandments to an Iterated Prisoner’s Dilemma Framework</i>	87
Calvin Jongsma <i>Al-Khwārizmī: Founder of Classical Algebra</i>	94
Bill Kinney <i>Teaching Complex Analysis as a Lab-Type Course with a Focus on Geometric Interpretations using Mathematica</i>	103
Gideon Lee <i>Googol-part Fugue: Another Imagination of Divine Providence and Game Theory</i>	121
Tom Nurkkala and Darci Nurkkala <i>Leading a Successful Missions Trip in Your Discipline</i>	140
Doug Phillippy <i>Faith Integration Projects for First-year Students</i>	149
Dave Klanderma, Mandi Maxwell, Sharon Robbert, Bill Boerman-Cornell <i>Reading Assignments and Assessments: Are Your Students Reading Math Texts Before Class, After Class, Both, or Neither?</i>	160
Walter J. Schultz, PhD and Lisanne D’Andrea Winslow <i>The Structures of the Actual World</i>	168
Andrew J. Simoson <i>Life Lessons from Leibniz</i>	187
Kyle Spysma <i>Perspectives on Chaos: Reflections of a Mathematical Physicist</i>	193
Richard Stout <i>Forming the Analytical Society at Cambridge University</i>	214
Darren F. Provine and Nancy Lynn Tinkham <i>Pedagogical Enhancements to the DeSymbol Logic Translator</i>	221
David E. Wetzell <i>Insights on the Neyman - Pearson Lemma : Alternative critical regions, and their power</i>	226
Dusty Wilson <i>Philosophy Motivates Undergraduates in Mathematics</i>	234
Jason Wilson <i>Expanding Jonathan Edwards’ Typology Program: The Bell Curve as a Type of Christ</i>	240
Nicholas C. Zoller <i>An Investigation of Hi Ho! Cherry-O Using Markov Chains</i>	265
Conference Photo and Participants	272