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 **MAKO Undergraduate Mathematics**

 **Research Conference – 2016**

**Saturday, November 12**

**Schedule**

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| 9:00 am – 9:05 am | **Welcome: Bill Bray, Mathematics Department Head, MSU** |
| 9:05 am – 9:25 am | “The Game of Seepage”Julie Anne Bowman, Southwest Baptist University |
| 9:30 am – 9:55 am | “Global Stability Analysis of Zika Virus Dynamics”Savannah Bates, Jacksonville University, and Hayley Hutson, Missouri State University |
| 10:00 am – 10:25 am | “Rainbow Arithmetic Triples”Rafael Ceja, California State University, Sacramento, Kathryn Cook, Evangel University, and Karissa Hayden-Gill, University of California, Davis |
| 10:30 am – 10:55 am | “Delay Differential Equations for Population Modeling”Nathaniel Covey, Lyon College |
| 11:00 am – 11:25 am | “Simplexes in an N-Dimensional Cube”John Carter, Missouri State University |
| 11:30 am – 11:55 am | “Predator-Prey Models with Harvesting”Jacob Perkins, Lyon College |
| noon – 12:25 pm | **Lunch – Cheek Lobby** |
| 12:30 pm – 12:55 pm | “Investigating Graphs Based on Relationships of Three 3 Vertices”Jon Mangum, Missouri State University |
| 1:00 pm – 1:25 pm | “Analyzing the Stability of Ebola Models Using Dynamical Systems”Tommy Stoller, Wichita State University |
| 1:30 pm – 1:55 pm | “Some Applications of Additive Combinatorics in Finite Fields”Mengqing Qin, Missouri State University |
| 2:00 pm – 2:25 pm | “Differential Equations as Physical Models”Morgan Webb, Lyon Collegeand Jacob Perkins, Lyon College |
| 2:30 pm – 2:55 pm | “Integer Partition Theory”Jon Rehmert, College of the Ozarks |
| 3:00 pm – 3:25 pm | “Mathematical Modeling of Japanese Knotweed”Jessica Linton, Benedictine College |
| 3:25 pm – 3:30 pm | Closing and final remarks |