

MAA-Southwest/ArizMATYC Schedule  
Friday, April 8<sup>th</sup>

| <b>Room</b> | <b>10:00 - 10:50</b>  | <b>11:00 - 11:50</b>   | <b>1:40 - 2:30</b>  | <b>2:40 - 3:30</b>   |
|-------------|---|--|---|--|
| <b>512</b>  | Dan Kennedy<br>(Rincon HS)<br><i>Use of TI Nspire and TI Navigator to Deepen Formative Assessment and Student Understanding</i> | John Briggs (WNMU)<br><i>Gold Stock Fluctuation Predictions</i><br><br>Kelsey Marks (WNMU)<br><i>Oil Stock Predictions</i> | Kayla Lilly (NAU)<br><i>Problem Solving in a Remedial Mathematics Classroom</i><br><br>Matthew Weber (ASU)<br><i>Scaling 4.5 to 2: A Cognitive Struggle for Middle School Math Teachers</i> | Michael Chinnabood Little-Crow<br>(Scottsdale CC)<br><i>Using Cultural Aspects of Math to Build Success for Developmental Students</i> |
| <b>511</b>  | April Strom<br>(Scottsdale CC)<br><i>A Common Vision for Undergraduate Mathematics in 2025</i>                                  | Ben Weber<br>(Cengage Learning)<br><i>MindTap® Mathematics and Statistics</i>  | Katie Louchart, Mary Fule<br>(NAU)<br><i>Incorporating High School Coursework Into University Mathematics Placement</i>   | Kiel Jones, Kevin Finch<br>(WNMU)<br><i>Stoichiometric Calculator and Mass to Moles Converter Using Matlab</i>                         |
| <b>509</b>  | Brian Beaudrie<br>(NAU)<br><i>The Art of Posing Problems</i>  |  | Luis Martinez<br>(AWC)<br><i>Highlights from AMATYC New Orleans 2015</i>  | Shanna Manny<br>(NAU)<br><i>MAT 100 - NAU's Approach to Developmental Math</i>   |
| <b>460</b>  | John Neuberger<br>(NAU)<br><i>An Introduction to Fractals and Fractal Dimension</i>   | Ellie Kennedy, Shannon Guerrero<br>(NAU)<br><i>The Silver Bullet: Flipping? IBL? Lecture?</i>                              | Anne and David Dudley (retired)<br><i>What's the Arizona Math Consortium? A Brief History of ArizMATYC and the Math ATF</i>   | Dahwei Chang<br>(AWC)<br><i>My Thoughts on Teaching Functions, Inverse Functions, and Composition of Functions</i>                     |
| <b>459</b>  | Charles Zhang<br>(Pima CC)<br><i>Tricks for Partial Fractions without Undetermined Coefficients</i>                             | Barbara Boschmans, Sal Vera<br>(NAU)<br><i>Preparing Undergraduates to Tutor in a Modified Emporium</i>                    | Dan Kennedy<br>(Rincon HS)<br><i>Using TI Nspire with TI Navigator for Effective Formative Assessment</i>   | Deborah Hughes Hallett<br>(U of Arizona)<br><i>Logarithms: Yesterday, Today, and Tomorrow</i>  |

MAA-Southwest/ArizMATYC Schedule  
Saturday, April 9<sup>th</sup>

| Room       | 9:00 - 9:50  | 10:00 - 10:50  | 11:00 - 11:50  |
|------------|--|--|--|
| <b>512</b> | <p>Nichole Courtney<br/>(WNMU)<br/><i>Consumer Index and<br/>Stocks of the Banks</i></p> <p>Matthew Weber<br/>(ASU)<br/><i>Division Models that<br/>Support the "Flip-and-<br/>Multiply" Algorithm for<br/>Dividing by Fractions</i></p> | <p>Tyler Bellison<br/>(San Juan College)<br/><i>Application of Lagrange<br/>Multiplier</i></p> <p>Zachary Parker<br/>(NAU)<br/><i>Perfect Numbers in the Ring<br/>of Eisenstein Integers</i></p> | <p>Robert Voinescu,<br/>Parker Monfort<br/>(NAU)<br/><i>Enumerating Cominiscule<br/>Elements in type Affine C<br/>Coxeter Groups</i></p> <p>Joni Hazelman,<br/>Ryan Wood<br/>(NAU)<br/><i>Computing Nim-values of a<br/>Modified Version of Sylver<br/>Coinage</i></p> |
| <b>509</b> | <p>Pam Peters,<br/>Lisa Ruffier<br/>(San Juan College)<br/><i>How I Spent My Summer<br/>Vacation (How to Plan a<br/>Math Study Abroad)</i></p>   | <p>Annie Selden<br/>(NMSU)<br/><i>Proof Frameworks –A Way to<br/>Get Started on Writing Proofs</i></p>   | <p>John Jeffries<br/>(NMHU)<br/><i>Cryptanalysis of the Hill Cipher</i></p>  |
| <b>460</b> | <p>Andrew Lebovitz<br/>(NAU)<br/><i>Quadratic Residues: A<br/>Graph-Theoretic Approach</i></p>   | <p>Pat Barrientos<br/>(El Paso CC)<br/><i>Ramanujan and Fibonacci-<br/>Making Connections for<br/>Developmental Education<br/>Students</i></p>   | <p>Matthew Bell<br/>(San Juan College)<br/><i>Discovery Festival</i></p>   |
| <b>459</b> | <p>Frank Attanucci<br/>(Scottsdale CC)<br/><i>"But The Center Still<br/>Holds!"</i></p>  | <p>Darren Allen<br/>(Cochise College)<br/><i>Teacher Reviews?<br/>Worthless...</i></p>   | <p>Steve Roark<br/>(Cochise College)<br/><i>Recollections and Reflections<br/>Regarding the Cube</i></p>   |
| <b>107</b> | <p>Roy St. Laurent<br/>(NAU)<br/><i>Bootstrap Confidence<br/>Intervals, Randomization<br/>Tests and Intro Statistics</i></p>   |  |  |