

Schedule of Presentations – Saturday Nov 17, 2018

| A.M Sessions: | | |
|---------------|---|--|
| | Room: TECH 222 | Room: TECH 220 |
| 8.30-8.50 | <p><u>Using Lab Reports to Help High School Students Develop Assumption-Associated Scientific Abilities</u> Danielle Bugge (West Windsor-Plainsboro HS)</p> | <p><u>Maintenance of Standards and a Five-fold reduction of failure in Physics 1</u> Thomas Gordon (NJIT)</p> |
| 8.55-9.15 | <p><u>Computational Modeling in Physics First using Bootstrap's Pyret Language</u> Jennifer Broekman (Emerson HS) Patricia L. White (Manchester HS)</p> | <p><u>Assessable Learning Objectives that Facilitate Developing Physics Habits of Mind: A Case-Study of an ISLE-based E&M Lab Course</u> Chaz Ruggieri (Rutgers)</p> |
| 9.20-9.40 | <p><u>Project Accelerate: Closing the Access Gap to Physical Science for Underserved Populations</u> Mark Greenman (Boston Univ.)</p> | <p><u>Experiments in Project-Based Learning in Classical Mechanics.</u> Ashuwin Vaidya (Montclair State Univ)</p> |
| 9.45-10.05 | <p><u>Expanding Spreadsheet Modeling Capability with Numerical Methods in High School Science and Math Using The Spreadsheet Lab Manual Pedagogy</u> Michael McConnell (Cinnaminson HS)</p> | <p><u>Higgs Physics at the LHC</u> Tyler Reese (Manhattan College)</p> |