

PROGRAM for the Indiana Section MAA FALL MEETING 2013
University of Southern Indiana
Saturday, October 26, 2013
Health Professions Building

8:00–8:40 Hallway, Health Professions Bldg.	Registration
8:40-2:30 Health Professions Bldg Room 1079	MAA Book Sale
8:40-8:45 Mitchell Auditorium Health Professions Room 1002	Welcome by Dr. Scott Gordon Dean of the Pott College
8:45-9:45 Mitchell Auditorium Health Professions Room 1002	Neeti Parashar, Department of Chemistry and Physics Purdue University Calumet <i>The Nobel Prize Connection: The Higgs Boson aka The God Particle</i> Introduction: Rob Merkovsky

<i>Contributed talks</i>			
Room	Health Professions 1030 Moderated by: Robin Sermersheim	Health Professions 1035 Moderated by: Robert Merkovsky	Health Professions 1041 Moderated by: Glenn Ballard
10:00-10:15 (15 min)	Resequencing Calculus at Valparaiso University Kenneth Luther Valparaiso University		Solving Numerical PDEs with Adaptive Finite Elements and Multigrid David Gunderman** Wabash College
10:20-10:45 (25 min)	Statistical Analysis of the Effect of AP Calculus on Performance in College Calculus Courses Tiffany Kolba Valparaiso University	Real linear maps preserving some complex subspaces Adam Coffman IPFW	Helping Elementary Education Majors Become “The Mathematician Behind the Math” Paul Fonstad Franklin College
10:50-11:15 (25 min)	How Online Teaching Has Made Me a Better Face To Face Instructor Amanda Harsy Ramsay* IUPUI		Indiana Project NExT Panel Session Publishing Undergraduate Research
11:20–11:45 (25 min)	The Mathematics of "Spot It" Andy Rich Manchester University		Ahmed Mohammed Josh Holden David Rader Moderator: Karl Schmitt

- student talks: (*) graduate student; (**) undergraduate student

11:55–12:50 Health Professions 1008	Lunch		
11:55–12:50 Health Professions 1081	Executive Committee Meeting		
<i>Contributed talks</i>			
Room	Health Professions 1030 Moderated by: Janet Sipes	Health Professions 1035 Moderated by: Edward Rehkopf	Health Professions 1041 Moderated by: John Donnelly
1:10– 1:25 (15 min)	Several Approaches for Incorporating WeBWorK into Mathematics Courses Stacy Hoehn Franklin College	Perplexing Factorizations Adrian P. Gentle University of Southern Indiana	Symmetry for Groups to Genomes Dennis Collins UPR-Mayaguez (retired)
1:35- 2:00 (25 min)	Writing about Continuity Derek Thompson Trine University	Geometry, Physics, and Self-Adjoint Extensions Feng Tian Trine University	Modeling a Diving Board Michael Karls Ball State

student talks: (*) graduate student; (**) undergraduate student

2:10-3:10 Mitchell Auditorium Health Professions Room 1002	Panel Discussion: Teaching an Online Class Haseeb Kazi: Trine University Markus Pomper: Indiana University East Amanda Harsy Ramsay: Indiana University - Purdue University Indianapolis Kathy Rodgers: University of Southern Indiana
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ADJOURNMENT—See you April 4-5, 2014 at Indiana University - Purdue University Fort Wayne.