

Fall 2019 Indiana Section Meeting  
26 October 2019

Wabash College, Crawfordsville, IN  
Meeting Schedule

0800-1200	<b>Hays Hall Lobby and Lounge</b> <b>Registration, Coffee by 1832 Brew, and AMS/MAA Press Book Display</b>		
0915-0930	<b>Hays Hall 104: Welcome by Professor Walter Novak</b> Associate Professor of Chemistry and Division I Chair		
0930-1020	<b>Hays Hall 104: Opening Keynote Address</b> <i>Concave Functions, Jensen's Inequality, annuities, and property settlements at divorce</i> <b>Jim Daniel</b> , Wabash College Class of 1962 University of Texas at Austin and Treasurer of the MAA		
	<b>Hays Hall 104</b> Moderator:	<b>Hays Hall 003</b> Moderator:	<b>Hays Hall 002</b> Mods: Hummel, Rohatgi, Tebbe
1035-1100	G. Yamoah, Trine: <i>A coupling of time and space adaption schemes for Richards' equation</i>	N. Kong, IU East: <i>Random geometric graphs</i>	<b>Section NeXT Panel</b> <i>Brainstorming Roundtables: Classroom Activities</i> <b>Panelists:</b> S. Hoehn, Franklin S. Kim, Depauw A. Russell, Butler
1105-1130	D. Collins, U Puerto Rico: <i>Toward status-in-life dynamics and drama triangle cycling</i>	R. Lynch, IU-PU Columbus: <i>New Venn diagram puzzles</i>	
1135-1200	Q. Deng ∇, Beihang U, and M. Xue, Vroom Laboratory for Advanced Computing: <i>Maximizing the final speed of a two-stage rocket using a computer algebra system</i>	J. Cole, Findlay: <i>Topology and unsolvability</i>	
1200-1300	<b>Detchon Hall 100</b> Luncheon		<b>Detchon Hall 128</b> Executive Meeting
	<b>Hays Hall 104</b> Moderator:	<b>Hays Hall 003</b> Moderator:	<b>Hays Hall 319</b> Moderator:
1300-1325	A. Bradford ⊗, Purdue: <i>The unexpected virtue of guess-and-check for clustering</i>	C. Criddell ∇, D. Vanyo ∇, Wabash: <i>Ratios and tangents on Archimedean spirals</i>	L.M. Nelson and L.L Nelson, U Indy: <i>Ups and Downs: A two-player game with dots</i>
1330-1355	T. Billingsley ⊗, Purdue: <i>Rational points on conics</i>	Y. Zhang ∇, St. Mary's College: <i>Total difference labelings of graphs</i>	M. Karls, Ball State: <i>Designing an environmental modeling course</i>
1405-1430	K. Ansaldi, Wabash: <i>Rainbow Numbers of <math>Z_n</math> for <math>a_1x_1 + a_2x_2 + a_3x_3 = b</math></i>	D. Harker ∇, Franklin: <i>Determinants of X-Matrices</i>	J. Holden, Rose-Hulman: <i>Between two cultures: Teaching math and art to engineers (and scientists and mathematicians)</i>
1435-1500	M. Whittlesey, CSU San Marcos: <i>A course in spherical geometry for math majors</i>	C. Pospisil ∇, U Mass Boston: <i>Generalization Theory of Linear Algebra I: an embedding algorithm and an appropriate inverse for non-injective maps in one dimension</i>	
1505-1515	<b>Hays Hall 104: Brief Business Meeting</b>		
1520-1610	<b>Hays Hall 104: Closing Keynote Address</b> <i>Change of Perspective in Mathematics</i> <b>Michael Orrison</b> , Wabash College Class of 1995 Harvey Mudd College		
1610	<b>Adjournment:</b> See you in April for the Indiana University Bicentennial Symposium!		

∇ Undergraduate student speaker

⊗ Graduate student speaker

All times are EDT (UTC-4)