

INDIANA SECTION MAA SPRING MEETING PROGRAM 2016
Franklin College
Franklin, IN
Friday and Saturday, March 18-19, 2016

Friday, March 18

3:00-5:00	Conference Registration	Atrium, Napolitan Student Center
3:00-4:00 and 5:00-6:15	MAA Book Sale Display copies available for \$10+ donations to IN-MAA	JCFA 145/146
3:30-4:00	ICMC Registration	Atrium, Napolitan Student Center
4:00-4:15	ICMC Orientation	Atrium, Napolitan Student Center
4:30-6:30	ICMC	Classrooms TBA
4:00-4:50	<i>"Hoosiers, The MAA, and the Indiana Section"</i>	Colin McKinney Henderson Conference Room, JCFA (Moderator: John Boardman)

CONTRIBUTED TALKS

ROOM	JCFA 101 Moderator: Phil Mummert	JCFA 102 Moderator: Derek Thompson	JCFA 103 Moderator: Bir Kafle	JCFA 104 Moderator: Rob Merkovsky
5:00-5:20	Three presences (social, cognitive, and teaching presence) as a framework in online education <i>Young Hwan You</i>	Using Gauss Sums to Distinguish Certain Algebraic Structures <i>Ryan Johnson</i>	A Theoretical Analysis for Extended Minimal model of HPA axis <i>Pengcheng Xiao</i>	Analyzing Crossword Puzzles with Graph Theory <i>John McSweeney</i>
5:30-5:50	Top Ten List: Overhauling a Liberal Arts Mathematics Course <i>Crystal Lorch</i>	Invariant Subspaces in Infinite Dimensions <i>Derek Thompson</i>	Phase transitions and bifurcations <i>Kiah Wah Ong (*)</i>	Verifying the Hanging Chain Model <i>Michael Karls</i>
6:00-6:20	An Extension of the Hassell-Comins Discrete Time Model for Two Competing Species <i>Caryn Willis (**)</i>	On The Numerical Ranges Of Composition Operators on $H^2(D)$ Induced By Mappings Having The Denjoy-Wolff Point On The Boundary <i>William M. Higdon</i>	Theoretical Friends of Finite Proximity <i>Edna Jones (*)</i>	Using Games to Engage Students in Inquiry <i>Martha Byrne</i>

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

5:00-6:00	Executive Board Meeting	Henderson Conference Room, JCFA
6:30-7:30	Dinner	Branigin Room, Napolitan Student Center
7:30-8:00	Magic Show	<i>Caleb Wiles</i> Branigin Room, Napolitan Student Center
8:00-9:00	"The Monty Hall Problem, Revisited"	<i>Jason Rosenhouse, James Madison University</i> Branigin Room (Moderator: Lowell Beineke)

Saturday, March 19

7:00-9:00	Conference Registration	Atrium, Napolitan Student Center
10:00-12:30	MAA Book Sale	Napolitan Student Center 245
8:25-9:25	<i>"How to think like a medieval algebraist"</i>	Jeffrey Oaks, University of Indianapolis Branigin Room (Moderator: Dan Callon)
9:30-9:50	Centennial cake and Section photo	Atrium, Napolitan Student Center

	CONTRIBUTED TALKS			STUDENT WORKSHOP
Room	JCFA 103	JCFA 104	JCFA 101	Henderson Conference Room
10:00-10:55		Graduate Student workshop <i>Applications and pre-campus interviews</i> Amanda Harsy <i>Lewis University</i> Mark Panaggio <i>Rose-Hulman Institute of Technology</i>	Indiana NExT Panel <i>Alternative Assessment Techniques</i> (Moderator: Josh Holden) Mindy Capaldi <i>Valparaiso University</i> Sylvia Carlisle <i>Rose-Hulman Institute of Technology</i> William Lindsey <i>IU-Kokomo</i>	Math+Gaming=Mathing Martha Byrne <i>Earlham College</i> Prof. Karl Schmitt <i>Valparaiso University</i>
11:00-11:20	(Moderator: Kristin Farwell) Parity Matters in Product-Optimization when Splitting Integers <i>Lowell Beineke</i>	(Moderator: Lara Pudwell) A Constructive Proof of Euler's Line Theorem using Computer Algebra System <i>Michael Xue</i>	(Moderator: Matt DeLong) A Combinatoric Analysis of Abalone <i>Luke Hayden (**)</i>	
11:30-11:50	Connecting Stirling Number to Differences of Powers <i>Chris Foss (**)</i>	Inquiry-Based Learning General Education Math Class <i>Daniel Kiteck</i>	Modeling Games with Markov Chains <i>Tiffany Kolba and Shannon Segin (**)</i>	
12:00-12:20	Flip-Mastery Learning in Applied Calculus <i>Ranjan Rohatgi: (*)</i>	Prove Inequalities by Solving Maximum/Minimum Problems Using a Computer Algebra System <i>Michael Xue</i>	The Grandest of all Grand Slams <i>David Benko</i>	

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

12:30	ICMC Results	Branigin Room, Napolitan Student Center
12:30-1:30	Lunch	Branigin Room, Napolitan Student Center
1:45-2:30	Business Meeting	JCFA 101
1:45-2:30	Student Game Show	Henderson Conference Room, JCFA
2:35-3:30	<i>"Indiana Pols Forced to Eat Humble Pi: The Curious History of an Irrational Number"</i>	Edray Goins, Purdue University Branigin Room, Napolitan Student Center (Moderator: Patrick Sullivan)

GENERAL ADJOURNMENT - See you on October 8, 2016 at Purdue University in West Lafayette, Indiana.