

PROGRAM for the Indiana Section MAA FALL MEETING 2015
Purdue North Central
Saturday, October 17, 2015 (CENTRAL TIME ZONE)

8:00–8:45 Registration
 LSF Lobby

8:40–8:45 Welcome by: Chancellor Jim Dworkin and
 LSF 02 Prof. Chris Holford, Dean of the College of Science,
 Purdue North Central.

8:50–9:50 *In the Shadow of Desargues* (Introduction: **V. Kilibarda**)
 LSF 02 Professor of Mathematics Annalisa Crannell
 (Franklin & Marshall College, Lancaster, PA)

Room	TECH 109 Mod: D Kiteck	TECH 110 Mod: K Luther	TECH 112 Mod: J Lorch	TECH 113 Mod: R Merkovsky	TECH 134 Mod: B. Kafle
10:00-10:20	Maximizing Learning Through Utilizing Learning Styles R. Grable/ A.A. Ahmad	Comparing sporting events D. Benko	Examples for Green's Theorem with discontinuous partial derivatives A. Coffman	The cumulative risk-taking behavior and its role in epidemics D. Maxin	A Geometric Interpretation of Trigonometry C. Cullen
10:25-10:45	Mathematics in a non-math course W.B. Frye	On Holder estimates of Cauchy-Riemann equation on pseudoconvex domain in C^n Y.H. You	Using Crazy Eights to Teach Programming and Conjecture Skills to Math Majors S. Hoehn	Lattice Integral Right Triangles without Vertical or Horizontal Sides R. Lynch	Residual Smallness in Commutative Algebra A. Salminen
10:50-11:10	Why would anyone ever use portfolio assessment in a mathematics course? B. Berry	A variational type method for solving nonlinear pseudo-differential equations R. Karki	Ellipses, Polynomials, and a Most Marvelous Theorem E. Wolf	Decorated Feynman Categories J. Lucas (*)	Indiana Project NEXt Panel: <i>Effectively Incorporating Technology in the Classroom</i>
11:15-11:35	Finding Order in Learning Disorder: How to Go the Extra Mile for the Students That Face Learning Challenges? H. Kazi	The Convex Hull of Markov Distributions J. Beal	Jumping Cars: A Game of Discrete, Dense, and Continuous Motions on a Plane P. Fonstad	Modeling mumps outbreaks: Incorporating delay in stochastic, continuous time models B. Kozemzak (**)	Panelists: Craig Cullen (Illinois State University), Josh Holden (Rose-Hulman Institute of Technology),
11:40-12:00	"Tropical" Generalized Gravity D.G. Collins	Electric Networks: An Introduction to One Application of Random Walks J. Pajda-De La O (*)		Twenty-five Years of the MAA Student Chapters E. Ader, A. Ayres (**)	Gerard Venema (Calvin College) Moderator: Stacey Hoehn

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

12:10–1:10 Lunch
LSF 144

12:10–1:10 Executive Committee Meeting
LSF 060

1:20–2:20 *The Common Core and its Fate in Indiana* (Introduction: **Galya Domke**)
LSF 02 Professors Kay Roebuck and Sheryl Stump
(Ball State University, Muncie)

GENERAL ADJOURNMENT - See you March 18-19, 2016 at Franklin College!