

Michigan Technological University
Department of Mathematical Sciences
Michigan Section MAA Upper Peninsula Regional Conference
October 5-6, 2018
Fisher 138

Friday, October 5

3:00 pm	Reception - Fisher 323
4:05 pm	Kliakhandler Lecture Dr. Nick Trefethen Professor of Numerical Analysis, Oxford Global Distinguished Professor, NYU <i>Random Functions, Random Odes, and Chebfun</i>
5:05 pm	Rob Kipka Lake Superior State University <i>Wolves, Orbits, and the Ergodic Theorem</i>
5:45 pm	Allan Struthers Michigan Technological University <i>Random Knight Tours</i>
6:15 pm	Dinner, Dutch Treat, Bonfire, 820 Shelden Avenue, Houghton

Saturday, October 6

8:30 am	Refreshments
9:00 am – 9:25 am	Evan Reeves Lake Superior State University <i>Double Pendulum Stabilization</i>
9:30 am – 9:55 am	Helen Boburka and Ronald White Northern Michigan University <i>p-adic Numbers and Conic Equations</i>

10:00 am – 10:15 am	Break
10:20 am – 10:45 am	Andrew Azzam Michigan Technological University <i>Randomized Sub-Sampled Methods for Matrix Approximation</i>
10:50 am – 11:15 am	Ray Huang Michigan Technological University <i>Estimate mixture gas concentration in real time with deep neural network</i>
11:20 am – 12:00 pm	Daniel Rowe Northern Michigan University <i>A novel method to factor cubics: the ad-method</i>
	Lunch - provided
1:30 pm – 1:55 pm	Victor Piercey Ferris State University Michigan MAA Chair <i>A Conversation about the Michigan MAA</i>
2:00 pm – 2:25 pm	Daniel Crane Michigan Technological University <i>Solving Integral Equations Using The Singular Value Expansion</i>
2:30 pm – 2:55 pm	Jake Roberts Michigan Technological University <i>Approximating the Generalized Singular Value Expansion</i>