

Annual Report: Pi Mu Epsilon – Vermont Alpha Chapter – 2017-18

Advisor and Officers:

Advisor: Dr. Zsuzsanna Kadas

President: Rebecca Rouleau; *VP:* Brenna Smith

Number of new members Inducted: 14; Number of continuing student members: 14

Major Activities:

The annual **Pi Mu Epsilon Lecture** was held in conjunction with the Induction Ceremony. Our speaker was **Prof. Jeffrey Dinitz**, Williams Professor of Mathematics, University of Vermont, speaking on the topic: **Thinking Deeply about Numbers in Boxes: Sudoku, Latin Squares, Room Squares and Tournaments**

Monthly Department Colloquia are co-sponsored by Pi Mu Epsilon, and PME officers introduce the visiting speakers.

The September Math Colloquium features presentations by students who participated in summer research projects; among them were PME members:

Anna Cook ('18), Marissa Berry ('19), Roxanne Withers ('18) – “Maximally Efficient Threading Circuits for DNA Self-Assembly”;

Mariah Boudreau ('19) – “A Bostonian Summer: BU SIBS Experience and Research”

Bernard Achinda ('18) – “Packetized Energy Management: Asynchronous and Anonymous Coordination of Thermostatically Controlled Loads”

Rebecca Rouleau ('18) – “A Stochastic Epidemiological Model of the Response of American Chestnut Populations to Fungal Blight”

Jessica Greene ('18) – “Budapest Semester in Mathematics”

The March 2018 Colloquium was given by alumnus and PME member Dan Lewis '10, VP, Director of Global Analytics at MRM McCann, speaking on “**Data Science in Unexpected Places**”.