

Department of Mathematical Sciences welcomes

Michael Larsen
Indiana University, Bloomington



February 14, 2020

Hosted by:
Prof. Will Geller

Tea begins at 3:00
in LD 259

Research Topic
begins at 3:30
in LD 229

Waring's problem for finite simple groups

ABSTRACT:

I will discuss recent progress and open questions related to problems of which these are typical: If $n > 0$ is fixed, is every element in a sufficiently large finite simple group a product of two n th powers? Can most elements be represented in the form $x^n y^n$ for approximately $|G|$ different ordered pairs (x, y) ?

ABOUT THE SPEAKER:

Michael Larsen is a Distinguished Professor of Mathematics at IU Bloomington. He was a two time Putnam Fellow at Harvard before receiving his Ph.D. from Princeton under Gerd Faltings. The breadth of his work is suggested by the citation of the AMS on his becoming an AMS Fellow for his "contributions to group theory, number theory, topology, and algebraic geometry."

