Announcing
A Mathematics Seminar
at 2:30 pm on Thursday
July 9, 2015 in Maxcy 212
at The University of New Haven

Jonad Pulaj
Zuse Institute Berlin

Title: Computational Combinatorics via Integer Programming

Synopsis:
In this talk we focus on the application of the broad methodology of integer programming to specific problems of interest ranging from applied network design to extremal combinatorics. By studying the geometry of the underlying optimization problems we show that the chosen computational framework leads to good solutions for large, realistic instances in telecommunication network design, in addition to providing new insight into particularly difficult problems from extremal combinatorics such as Frankl’s conjecture. If time permits we also show applications to Ramsey theory.

Further Information
For further information, please contact Angie Domschine at the Department of Mathematics, Office: Maxcy 204, 203-932-7250, ADomschine@newhaven.edu.