

# Stanford Department of Mathematics SUMO Speaker Series

Tuesday, February 7th

5:30 – 6:20PM, Ricker Dining Green Room (238 Santa Teresa St.)

Please feel free to bring in dinner from Ricker Dining before the talk.

## Hamming Codes



Jenny Wilson

### Abstract

A group of  $2^k - 1$  math students are being held prisoner by an evil mathematician. To win their freedom they must correctly guess the colour of their hats. In this week's SUMO colloquium we'll learn some coding theory, and how to use it to save these hapless students.

<http://sumo.stanford.edu/speakers.html>