The smallest parts function and the third order mock theta function $\omega(q)$

The smallest parts function $\text{spt}(n)$, counting the total number of appearances of the smallest parts in all partitions of $n$, has received great attention since it was first introduced by George Andrews in 2007. In this talk, I will give an introduction to and brief history of this subject. I will also discuss some recent discoveries in connection to the mock theta function $\omega(q)$. This is joint work with G. E. Andrews, A. Dixit, D. Passary, D. Schultz, J. Sellers and L. Wang.

4:00 p.m.
245 Altgeld Hall
Thursday, October 27, 2016