

# Topology Seminar

**Oscar Randal-Williams**

of University of Copenhagen will be speaking on

## Stable Moduli Spaces of High-Dimensional Manifolds

on September 26 at 4:30 in  
MIT Room 2-131

Madsen and Weiss' theorem — identifying the stable homology of moduli spaces of Riemann surfaces — and the theorem of Barratt-Priddy, Quillen, and Segal — identifying the stable homology of classifying spaces of symmetric groups — fit into a natural hierarchy of statements concerning the homology of moduli spaces of  $(n - 1)$ -connected  $2n$ -manifolds. I will discuss recent joint work with Søren Galatius which as a special case proves these statements for all  $n = 3, 4, \dots$