

***PIN(2)-EQUIVARIANT HOMOTOPY THEORY AND
TRIANGULATION OF MANIFOLDS***

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Time: Wed, Dec.12th, 15:30 - 16:00

Venue: Room 110, SCMS

Abstract: A key ingredient in Manolescu's disproof of the long-standing Triangulation Conjecture, i.e., not all topological manifolds admits triangulations in dimensions greater than 5, is the $\text{Pin}(2)$ -equivariant Seiberg-Witten Floer homotopy theory. We will go over the result and related tools. Then we will discuss some progress in using other equivariant tools to study possible generalizations.