

Speaker: James Conant, Cornell University

Abstract: We discuss recent work with P. Teichner concerning a relation between particular 2-complexes called gropes and K. Habiro's clasper theory, which *a fortiori* gives a connection to finite type invariants. Among the new discoveries is a new move generating S-equivalence and a torsion finite type S-equivalence invariant: $c_3 \pmod 2$.