Low Dimensional Topology Talk Schedule

Events for:
Monday, August 23rd - Saturday, August 28th

Monday, August 23rd
12:00pm Chris Gerig Lecture Series

Tuesday, August 24th
2:00pm Chris Gerig Lecture Series

Abstract: In these two lectures I will introduce the famous (3-dimensional) Weinstein conjecture, asserting the existence of closed Reeb orbits in contact 3-manifolds, as well as refinements to the conjecture. The proof is due to Taubes and heavily uses Seiberg-Witten theory. I will discuss SW theory in the presence of contact forms and give a rough sketch of Taubes' proof, in order to set up and explain on-going work to establish refinements to the conjecture. One big refinement is the "2-or-infinity" conjecture, asserting that there are either two or infinitely many Reeb orbits in any contact 3-manifold (and this is known in a lot of cases).

Wednesday, August 25th

Thursday, August 26th

Friday, August 27th

Saturday, August 28th