

Speaker: Matt Hedden
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Title: On the knot theory of complex and symplectic curves

Abstract:

Given a symplectic or Stein filling of a (contact) three-manifold, one can obtain links in the three-manifold from the transverse intersection of symplectic or complex curve with the boundary. These form a very natural class of links which are connected to a variety of fields. I will discuss what is known about this class and focus on some recent developments.