



# Ana Garcia Lecuona

## On the slice ribbon conjecture for Montesinos knots

**ZEIT:**

16.6.2010, 12:15 Uhr - 13:15 Uhr

**ORT:**

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The slice-ribbon conjecture states that a knot in  $S^3$  is the boundary of an embedded disc in  $D^4$  if and only if it bounds a disc in  $S^3$  which has only ribbon singularities. In this seminar we will prove the conjecture for a family of Montesinos knots. The proof is based on Donaldson's diagonalization theorem for definite four manifolds.

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