Alberto ABBONDANDOLO (Bochum)

Title: *Closed characteristics on the boundary of convex domains*

Abstract: An old question in symplectic dynamics is whether closed characteristics on the boundary of a four dimensional smooth convex bounded domain which minimise the action are unknotted. I will show how this question can be addressed by a combined use of Clarke's duality, Floer homology and the theory of psequdoholomorphic curves in symplectizations. This talk is based on a joint work with Oliver Edtmair and Jungsoo Kang.