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Computability, computational complexity and geometric group theory

Friday, February 6, 2015
CUNY Graduate Center, Room 4102
4:50–5:30pm

Abstract:
The three topics in the title have been inextricably linked since the famous 1912 paper of Max Dehn. In recent years the asymptotic-generic point of view of geometric group theory has given rise to new areas of computability and computational complexity. I will discuss how this arose and then focus on one recent development in computability theory, namely, coarse computability and the coarse computability bound.