Paul Fili (University of Rochester). "Numbers of small height in extensions with splitting conditions."
Abstract: It is a theorem of Schinzel that the Weil height is essentially bounded away from zero in the maximal totally real extension of the rationals, and a more recent result of Bombieri and Zannier that the same is true for the maximal totally p-adic extension of the rationals. We will discuss how these results naturally relate to results on equidistribution and dynamical heights and discuss current work on improving the best known lower bounds via potential theoretic techniques.