

Speaker: Jose Mijares Palacios

Title: On the local Ramsey property and selectivity.

Abstract: Within the framework of topological Ramsey spaces (e.g., Ellentuck's space), this talk is about a characterization of an abstract version of the local Ramsey property relative to (semi)selective coideals. Such characterization permits to study some interesting abstract forcing notions which extend the properties of the corresponding forcing notions related to Ellentuck's space to the case of any topological Ramsey space. One of these abstract forcings adds no new elements of the underlying topological Ramsey space but adds an abstract selective ultrafilter. One of the applications is showing that under suitable assumptions every abstract selective ultrafilter is generic over $L(R)$.