

From descriptive to distributed

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In the past couple of years a rich connection has been found between the fields of descriptive set theory and distributed computing. Frequently, and less surprisingly, finitary algorithms can be adopted to the infinite setting, resulting in theorems about infinite, definable graphs. In this talk, I will discuss how results and ideas from descriptive set theory provide new insights and techniques to the theory of distributed computing. The talk is based on a survey paper written jointly with Zoltán Vidnyánszky.