SEMINÁRIO
LÓGICA MATEMÁTICA

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The what, the why and the how of recursion theory in computational complexity

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ABSTRACT:

While complexity classes are usually defined as the problems that can be solved by some computational model, under some resource bound, there is a variety of ways to characterize them without mentioning either of them. This is the topic of Implicit Complexity.
I will talk about the study of Complexity from the perspective of recursive functions, discussing the tools to capture non-deterministic, probabilistic and quantum classes and the role of composition in characterizing and restricting access to oracles.

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