1107-03-432 **Daniel Turetsky*** (turetsd4@univie.ac.at). *Relatively Categorical Metric Spaces.*

Traditionally, computable model theory is interested in countable first-order structures, and the field has many results concerning these. We can gain insight into these theorems by studying a different class of objects and attempting to prove analogous theorems. Frequently, issues that would be trivialities in the original context provide unexpected difficulty, and understanding these issues improves our understanding of the original theorem.

This talk will discuss separable metric spaces as an analog of first-order structures. In particular, it will focus on the classifications of relatively categorical structures and the corresponding results for metric spaces. (Received January 20, 2015)