

- **Wulff, Christopher: Coronas for properly combable spaces (SR1 c)**

The construction of coronas (i.e. boundaries at infinity) of combable spaces has been an open problem for quite a while. In this talk, I will present a very conceptual construction of such coronas under a convincing new additional assumption on the combing, called properness. Under two further additional conditions, coherence and expandingness, the compactification of a Rips complex construction by this corona can be shown to be contractible. This yields applications to isomorphism conjectures and dimension estimates for groups.