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„On a unified version of the Farrell-Jones conjecture.“

Abstract:
I will explain how recent work of Calmes, Dotto, Harpaz, Hebestreit, Land, Moi, Nardin, Nikolaus and Steimle provides a convenient setup to formulate a version of the Farrell-Jones conjecture which subsumes its K-theoretic, L-theoretic and A-theoretic versions.
Adapting arguments of Bartels, Lück and Reich, I will then outline a proof of the K-theoretic part of the conjecture for finitely F-amenable groups and, time permitting, indicate the necessary refinements to obtain a proof of the unified conjecture.

Based in parts on joint work with Ulrich Bunke and Daniel Kasprowski.