K. Jung showed in 2006 that a \( II_1 \) factor is amenable if and only if there is exactly 1 embedding into \( R^\omega \) up to unitary equivalence. In a recent preprint, S. Atkinson, I. Goldbring and myself study a more general question, where one replaces unitary equivalence with arbitrary automorphism equivalence in the ultrapower. We show several results in this setting, in particular, a generalized Jung theorem: An \( R^\omega \) embeddable \( II_1 \) factor \( N \) is amenable if and only if there is exactly 1 embedding into \( N^\omega \) up to automorphic equivalence. In light of the recent refutation of the Connes embedding problem, we are also able to obtain the existence of non \( R^\omega \) embeddable generalized Jung factors, i.e., one that satisfies the condition that there is exactly 1 embedding into \( N^\omega \) up to automorphism equivalence. These theorems are proved using a combination of operator algebraic and model theoretic ideas. As an application we obtain continuum many \( II_1 \) factors that satisfy the statement of Popa’s factorial commutant problem, which is a long standing open problem in operator algebras. In this talk I will show some of these results and discuss the ideas used in the proof. (Received September 02, 2020)