Congruences of modular forms modulo p and a variant of the Breuil-Mézard conjecture

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In this talk I will explain how the Breuil-Mézard conjecture can be refined to give the multiplicity of some deformation spaces of Galois representations taking into account additionnal data. I will also give an application of this result to a problem of congruences modulo p in the space of modular forms $S_k(\Gamma_0(p))$.