"S-cohomologie vs Diagram cohomology",
Yael Fregier

In our thesis we have introduced a cohomology associated to simultaneous deformations of two Lie algebras and a Homomorphism between them. M. Gerstenhaber and S. Schack had already introduced such a cohomology, in the associative setting, in the context of diagrams of algebra. We will in this talk recall the main features of the two theories and show in which sense they coincide.