1114-81-247 **Francesco Strati*** (`francesco.strati@unisi.it`). *On defining $\mathcal{S}$-spaces.*
The present work is intended to be an introduction to the Superposition Theory of David Carfì. In particular I shall depict the meaning of his brand new theory: on the one hand by an informal discussion, and on the other hand by giving a formal approach of the algebraic structure of the theory: the $\mathcal{S}$-linear algebra. This kind of framework underpins the notion of $\mathcal{S}$-*spaces* by defining both its properties and its nature. Thus I shall define the $\mathcal{S}$-triple as the fundamental *principle* upon which the $\mathcal{S}$-linear algebra is built up, as a generalization of the famous Gel'fand triple. (Received August 29, 2015)