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Mihaela B Vajiac* (mbvajiac@chapman.edu), Schmid College of Science, Chapman University,
One University Drive, Orange, CA 92866. *Geometry of Bicomplex Spaces*. Preliminary report.

In this talk I will present new spaces called bicomplex spaces, and a theory of holomorphic functions in this context. I will outline a research program in the direction of bicomplex geometry and explain the difficulties and importance of the development of such a theory. (Received September 14, 2010)