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**Paulo D. Cordaro\*** ([cordaro@ime.usp.br](mailto:cordaro@ime.usp.br)), IME-USP, Rua do Mato 1010, 05508-090 So Paulo, So Paulo, Brazil. *Gevrey classes in hypo-analytic structures.*

In this work we introduce the concept of Gevrey classes on a general hypo-analytic structure (in the sense of Treves) and apply them to the study of local solvability and Gevrey hypoellipticity for the associated differential complex. This is a joint work with P.Caetano and J.Castellanos. (Received February 07, 2006)