

**Wentzell and general Wentzell boundary conditions: old and new
results with Jerry and Gisèle Goldstein**

SILVIA ROMANELLI

Dipartimento di Matematica
Università degli Studi di Bari Aldo Moro
Via E. Orabona 4, 70125, Bari, Italy
romans@dm.uniba.it

The first joint results obtained with Jerry and Gisèle Goldstein started in the 1990s and were published in the years 1997-1998. Since then we continued to develop a wonderful cooperation which involved different topics and some other authors (especially A. Favini, often R.M. Mininni, E. Obrecht, occasionally E. Cito, G. Coclite, C. Gal, T. Clarke, etc.). Concerning the topics, the 'leit-motiv' was essentially the study of the *dynamic boundary conditions of Wentzell type* associated with different types of evolution equations. Here we will focus essentially on some old and new results about the analyticity of the semigroups generated by elliptic operators with Wentzell or general Wentzell boundary conditions in different spaces.