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Ivan Nourdin* (ivan.nourdin@uni.lu). *The Malliavin-Stein approach.*

Since its original development six years ago culminating in my joint book "Normal approximations with Malliavin calculus: from Stein's method to universality" (with Giovanni Peccati), the Malliavin-Stein approach has grown into a mature and widely applicable mathematical theory. In this talk, I will survey some recent results related to this new line of research, with a special emphasis on problems arising from stochastic modeling and statistical inference. (Received June 30, 2015)