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Olav Kallenberg* (kalleoh@auburn.edu), Auburn, AL 36849. *Some highlights from the general theory of random measures.*

Whereas the basic theories of martingales, diffusion processes, and stochastic calculus are known to every serious student of stochastic processes, the equally important theory of random measures is still virtually unknown. In this talk I shall describe some recent results from different subareas, all taken from my forthcoming monograph on the subject. (Received January 19, 2015)