

**YVES MEYER, ABEL LAUREATE 2017**

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Abstract:

Though he is mostly famous for his pivotal role in the genesis of wavelet analysis, Yves Meyer also made decisive contributions in all areas of harmonic analysis, in relation with quasicrystals, number theory, control, PDEs, singular integral operators, ... We will give a panorama of these contributions, with a particular focus on those related with the construction of wavelets and their applications in signal and image processing.