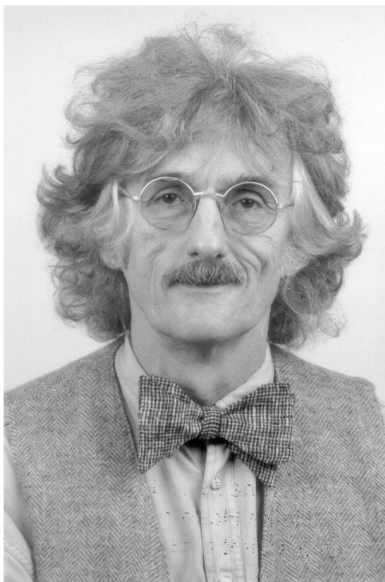


How beautiful physics is with Fritz in the world

Prof. Dr. Maciej Lewenstein
ICFO - The Institute of Photonic Sciences, Spain



In my lecture I will follow the scientific trajectory of Fritz Haake, underlining the impact and influence of his work on contemporary physics and on my research in particular. I will start with laser theory and theory of quantum quasi-probabilities, and follow by the theory of master equations. I will devote a considerable time to discuss super-radiance, super-fluorescence and in general theory of decay of unstable states. I will mention the theory of dynamical renormalization and dynamical criticality, and theory of kinetic Ising models. Adiabatic theory will be the next subject. I will also discuss Fritz's short romance with spin glasses and long lasting love to open systems, disorder and quantum chaos.