

Center for Soft Matter and Biological Physics

Discussion Meeting

Prof. Michel Pleimling

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“Aging processes in systems far from equilibrium I: An overview of the phenomenology of physical aging”

Friday, July 27, 2018

1:30 pm—2:30 pm

304 Robeson Hall

Physical aging scaling is encountered in numerous systems with slow dynamics. In this talk I introduce the phenomenology of physical aging and show that many of the characteristic features of physical aging can be understood through the investigation of simple coarsening systems. Dynamical scaling of two-time quantities like the auto-response and auto-correlation functions is discussed for systems with a single time-dependent length scale.