

Dynamics of disordered materials

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This talk will review progress in the field of the dynamics of disordered condensed matter, encompassing materials where at least one component lacks either rotational or translational long-range order. Systems in thermodynamic equilibrium as well as those where some aspect of the disorder is frozen into a glassy state will be discussed. Some relevant experimental methods will be reviewed, followed by examples of recent applications of these techniques to study the various aspects of dynamical disorder. The final part will highlight common features of the dynamics exhibited by different systems, and discuss prospects for the future development of this field.