

RESEARCH INTERESTS: Theoretical condensed matter physics:

Localization effect in disordered metals and superconductors

Mesoscopic phenomena in metals and superconductors

Propagation of light in disordered active and passive media

Kinetic effects in superconductors

Theory of superconductor-insulator transition.

Interference phenomena in hopping conductivity

Diffusion of impurities in metals at low temperatures

Theory of chemical reaction rates.

Theory of strongly correlated electronic systems