

Non-equilibrium kinetics

Steady state

Macroscopic in-situ experimental probes
(electric field, mechanical stress, temperature)

¹Polarization light microscopy

Linear and non-linear
optical methods

²Second harmonic generation microscopy

Macroscopic multifunctional
material response

Multidomain interactions

Ferroic domain walls

¹Burcsu (2001), Ph. D. Thesis, CalTech
²Nordlander et al. (2018), Appl. Sci.

Length scale (m)

Time scale (seconds)