Title: Schwarz Waveform Relaxation on Time Dependent Domains

Abstract: Schwarz Waveform Relaxation (SWR) is a space-time parallel approach to solve time-dependent PDEs. Existing simulations and analysis mostly involve problems on fixed, time-independent domains. In this talk I will introduce SWR on fixed domains and then quickly move on to two cases: i) prescribed moving domains and ii) a priori unknown moving domains that result from a Stefan problem. Convergence results will be shown in both cases.