NDSU Physics Seminar

" Mathematical Models of Dielectric Breakdown and Polycrystal Plasticity "

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Wednesday, November 4th at 4:00 p.m.

South Engineering 221, NDSU

I will discuss several models of (first-failure) dielectric breakdown and polycrystal plasticity, with a focus on their mathematical derivation from more flexible power-law models via Γ-convergence, and on the characterization of the effective yield sets by means of variational principles associated to the limiting supremal functionals. This is based on joint work with Enzo Nesi (Universita di Roma, "La Sapienza"), and with Cristina Popovici (NDSU).

All are welcome!