

Nonsmooth Problems with Applications in Mechanics
Bedlewo, Poland, June 17-22, 2023

My 38 Years Journey in MTCM

Meir Shillor

Oakland University

shillor@oakland.edu

Abstract: The talk describes my journey in MTCM. Starting with various results for quasistatic problems with normal compliance, to more general quasistatic and dynamic problems, which, in increased complexity, allowed for various materials and contact conditions. In particular, I will mention the general existence result, thermal effects, slip rate dependent friction coefficient, the dynamic Signorini contact condition, and some regularity results for dynamic problems. I will end with some open problems that seem to me to be worth resolving in the near future.