

Department of Mathematical Sciences

Fall 2019

Colloquium Series

November 22, 2019 at 2pm in Bell Hall 143
(Note the unusual time)

Dr. Gisèle Ruiz Goldstein
University of Memphis

The Ubiquitous Presence of Dynamic Boundary Conditions in Science

Dynamic boundary conditions play an essential role in accurately modeling complex physical interactions on the boundary. In this lecture we explain the role of dynamic boundary conditions in modeling diffusion processes, wave propagation, reaction-diffusion systems and problems in materials science. The connection between dynamic boundary conditions and Wentzell boundary conditions will be explained, and rigorous mathematical results related to these boundary conditions will be presented.

For further information, please contact
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