



Workshop on Nonlinear Analysis and Control Theory in
Honor of Professor Enrique Zuazua for his 60th birthday

November 3–5, 2021 – Virtual Format

**Controllability properties of fractional PDEs:
What is the state of the art?**

Mahamadi Warma*

Department of Mathematical Sciences
George Mason University
Fairfax, VA 22030, USA

Abstract

We make a complete analysis of the controllability/observability properties of fractional partial differential equations. We show what is so far known and what is still unknown.

*Partially supported by the Air Force Office of Scientific Research under Award NO: FA9550-18-1-0242, e-mail: mwarma@gmu.edu