

This is to certify that

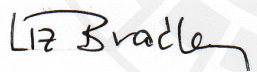
DIANA RUGGIERO

has successfully completed the Santa Fe Institute's Massive Open Online Course

Nonlinear Dynamics: Mathematical and
Computational Approaches (Fall 2018)

[.complexityexplorer.org](https://complexityexplorer.org)

December 13, 2018



Liz Bradley, Lead Instructor



David Krakauer, Santa Fe Institute President