

*This is to certify that*

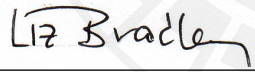
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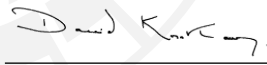
Nonlinear Dynamics: Mathematical and  
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May 14, 2019



Liz Bradley, Lead Instructor



David Krakauer, Santa Fe Institute President