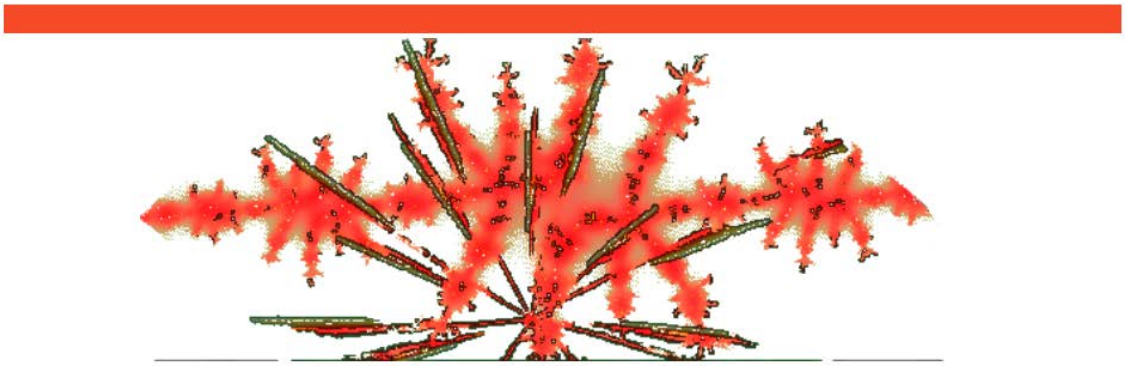
Call for Papers:
Special Issue of *Nonlinear Dynamics, Psychology, and Life Sciences* on

Unshackling Organizations: Applications at the Leading Edge of Leadership, Organizations and Society, in memory of Jeffrey A. Goldstein



NDPLS is actively searching for manuscripts for a special issue to be entitled **"Unshackling Organizations: Applications at the Leading Edge of Leadership, Organizations and Society"** dedicated to Jeffrey A. Goldstein in memory of his outstanding contributions in the field of nonlinearity and complexity in organizational science. His contributions to nonlinear dynamics began in the 1980s and his influence has continued to the present. He was also a long-time member of the Society for Chaos Theory in Psychology & Life Sciences.

OVERVIEW: It turns out that much of what we know about emergence and complexity is due to Jeffrey's dedication and insight. For example, his "far-from-equilibrium" model of resistance to change was one of the first to show how a "social thermodynamics" could transform our understanding of organizing and management. Likewise his book, "Unshackled Organization" explained how emergence dynamics can be leveraged by organizations, opening up new possibilities for innovation and strategic change. His conceptual formulations of emergence (articles 1999-2014) have provided the foundations for complexity science as a longstanding and multi-vocal institution.

This Special Issue provides a unique opportunity for complexity scholars to share empirical and conceptual contributions at the leading edge of their fields – from physics, to the life sciences, to all facets of organization science, including social enterprise. This Call is intentionally broad for two reasons. First, it reflects Jeffrey's multi-disciplinary efforts, which have provided the context for studying emergence across a wide range of fields. Thus we welcome studies using the full range of complexity sciences' methods and models and their applications to any relevant discipline.

Secondly, although the initial surge of complexity science articles has reduced over time – the number of complexity publications has declined precipitously over the past ten years, many scholars have continued to use and apply emergence in their work. This Special Issue is meant to highlight this work – for scholars to offer bold and creative contributions that highlight the uniqueness of emergence and offer new ways to apply its dynamics in the biological and organizational world. For the purpose of this Call for Papers, *Emergence* is defined as:

> Emergence refers to the arising of novel and coherent structures, patterns, and properties during the process of self-organization in complex systems. Emergent phenomena exhibit micro-level (bottom-up) and macro-level (top-down) behavior and are always changing (dynamical).

In sum, this call asks the question: Can the emergence construct be used to formulate and test hypotheses in the context of its various methodological framings? This special issue is aimed at consolidating the knowledge that has accumulated over the last few decades about the phenomenon of emergence and position what is known within the broader question of what remains to be understood. In this light, we will consider conceptual studies, theoretical papers, simulation studies, and empirical investigations as potentially acceptable for submission.

Areas and topics of particular interest include (not an exhaustive list):

Dynamics of collective intelligence
Leadership emergence in teams and organizations
Boundary conditions that enable/constrain organizing
Synchronization of spatial or temporal trajectories in activities in groups or collectives (e.g. routines)
Social network structure and evolution.
Dynamics that generate novel collective results

Social enterprises as emergent entities with agency
Complexity Leadership and Management
Social network structure and scaling dynamics
Complexity matching and information exchange

State-of-the-art methods and models (also not an exhaustive list):

Nonlinear time series analysis
Inverse power laws and scaling indices
Catastrophe theory
Agent-based models
Dissipative Structures system models
Catastrophe and Chaos mathematics
System models with dissipative structures
Perturbation effects

The purview of the journal is critical to the inclusion of articles: *Nonlinear Dynamics, Psychology, and Life Sciences* publishes papers that augment the fundamental ways we understand, describe, model, and predict nonlinear phenomena in psychology and the life and social sciences. One or more of the following nonlinear concepts must be an explicit part of the exposition: attractors, bifurcations, dissipative structures, chaos, fractals, solitons, catastrophes, self-organizing processes, cellular automata, genetic algorithms and related evolutionary processes, neural networks, complex social networks, synchronization dynamics, and agent-based models. The broad mixture of the disciplines represented here indicates that many bodies of knowledge share common principles. By juxtaposing developments in different fields within the life and social sciences, the scientific communities may obtain fresh perspectives on those common principles and their implications. Because the journal is multidisciplinary in scope, each article should be constructed for understanding by a broad readership.

NDPLS is published quarterly by the Society for Chaos Theory in Psychology & Life Sciences. Articles will be reviewed by two or more experts in the relevant field. Additional information for the preparation of articles for submission can be found on the journal's web site: www.societyforchaostheory.org/ndpls/.

The project is planned on the following schedule:

- Abstracts for intended articles should arrive by March 15, 2024.
- Full-text papers need to arrive by June 15, 2024. Please send the abstracts and manuscripts to the editor in chief and the special issue editors by e-mail (addresses below).
- Manuscripts should be prepared in APA style. Key style points and small variations that are specific to the journal can be found in the Instructions for Authors on the journal web site: www.societyforchaostheory.org/ndpls/author_instructions/
- Reviews will be completed by July 31, 2024, or sooner to the extent possible.
- Revisions and final edits should be received by Sept 30, 2024.
- Publication in January 2025.

We look forward to receiving your abstracts and papers. If you have any questions about the project, please do not hesitate to ask one of the editors below.

Sincerely,

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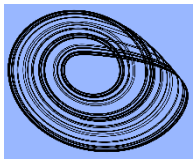

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