

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

NDPLS is actively searching for manuscripts for a special issue to be entitled, “Creativity and Nonlinear Dynamics.” Settings and applications could include classrooms, business, science and engineering design, military operations, artistic or literary production. Potential papers could include such topics as:

- Creativity, learning and nonlinear dynamics
- Social creativity as nonlinear affect
- Creativity as a nonlinear dynamical process
- Neural networks and creativity
- Adaptation in emergency problem solving
- Organizational development and business strategies
- Creativity and aberrant brain functioning
- Agent-based modeling of creativity
- Creativity, culture and chaos
- Artistic experience as creative chaos
- Networks and marketing
- Diffusion of innovations

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, chaos, fractals, solitons, catastrophes, self-organizing processes, cellular automata, genetic algorithms and related evolutionary processes, neural networks, 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 make an original contribution to at least one substantive area and, to the extent possible, illuminate issues beyond that area's boundaries.

Contributions may be theoretical or empirical. Theoretical papers should be firmly grounded in the extant literature and culminate in new principles involving nonlinear dynamics that can be tested; manuscripts heavy on conjecture with little reference to evidence are not encouraged. Reviews of the relevant literature on applications of nonlinear dynamics are also welcome, if they synthesize and interpret this material in novel ways. Empirical papers may include experimental observations, simulations, or analyses of real-world data. Articles will be reviewed by two or more experts in the relevant field.

NDPLS is published quarterly by the Society for Chaos Theory in Psychology & Life Sciences. 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 are requested prior to submission in order to assist with the organization of the issue contents, and they are welcome any time before the paper submissions deadline. Send abstracts by e-mail to Dr. Jayne Fleener, fleener@lsu.edu.
- Full-text papers need to arrive by April 30, 2010. Papers should be submitted electronically to fleener@lsu.edu and the editor in chief, Stephen.guastello@marquette.edu simultaneously. 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.
- Reviews completed by May 31, or sooner to the extent possible.
- Revisions and final edits should be received by July 31, 2010.

- Publication in January, 2011.

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,
Stephen J. Guastello, Ph.D.
Stephen.guastello@marquette.edu
Editor in Chief

Jayne Fleener, Ph.D.
Dean, College of Education
Louisiana State University
Special Issue Editor