

Abstracts to the 2016-2018 Conferences of the Society for Chaos Theory in Psychology & Life Sciences

SCTPLS is an international forum that brings together researchers, theoreticians, and practitioners interested in applying nonlinear dynamical systems theory concepts of attractors, bifurcations, chaos, fractals, catastrophes, self-organization, neural networks, cellular automata, agent-based modeling, and related ideas to substantive problems found in psychology and the life and social sciences. Its members hail from numerous specialties within psychology, biology, neuroscience, physiology and medicine, economics, management, sociology, political science, education, engineering, and the humanities. They live and work in more than 30 countries.

The SCTPLS Annual International Conferences offer a unique intellectual and social atmosphere that stimulates dialog with symposia, roundtables, single paper presentations, prominent guests in nonlinear science, and educational workshops. Presentations may be theoretical, applied, empirical, or methodological. The forum is based on the principle that the development of nonlinear science is best served by the cross-fertilization of ideas from all the contributing disciplines. The abstracts to the 26th, 27th and 28th SCTPLS Annual International Conferences have been re-edited and prepared for free downloading from

www.societyforchaostheory.org/conferences/

Calls for papers and related details for participation in SCTPLS conferences can be reached from the same web page. The cover images from the abstract documents for the 2016-2018 and conferences appear in Figs. 1-3. The SCTPLS Publications Committee intends to continue preparing new abstract documents soon after each conference transpires. Many of the contributions to the conferences evolved into *NDPLS* articles, articles for other journals, or other works by the authors.

SCTPLS also sponsors the International Nonlinear Science Conference series which, to date, have taken its members to Vienna, Heraklion, Tokyo, Palermo, Barcelona, Nijmegen, and Salzburg to discover new vistas in nonlinear science wherever they might be located. The abstracts to the 7th INSC have been prepared for free downloading from the same web address above. The cover image for the document appears in Fig. 4. We encourage the *NDPLS* readers to present their latest research at one of our extraordinary events.

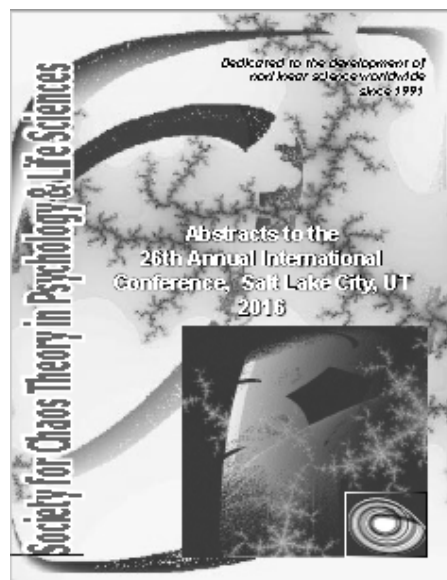


Fig. 1. Cover page to the 2016 abstracts. Fractals by J. C. Sprott, used with permission.

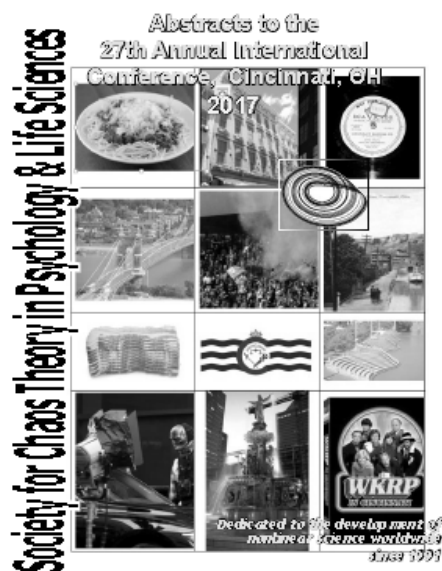


Fig. 2. Cover page to the 2017 abstracts. Composite by David Schuldberg.



Fig. 3. Cover page to the 2018 abstracts. Fractal background by J. C. Sprott, used with permission.



Fig. 4. Cover page to the 2017 INSC abstracts. Photo courtesy of Paracelsus Medical University.

Manuscripts Accepted for Publication

The following articles have been accepted for publication and will be appearing starting January, 2019:

- Cerezo, M. A., Pons-Salvador, G., Trenado, R. M., Sierra-Garcia, P. The temporal dimension in maternal sensitivity predicting organized attachment in children.
- Constantini, A., Scalco, A., Sartori, R., Tur, E. M., & Ceschi, A. Theories for computing prosocial behavior: A review and a model.
- Cutler, C. D., & Neufeld, R. W. J. Nonlinear indices with applications to schizophrenia and bipolar disorder.
- Halfon, S., Cavdar, A., Paolini, G., Andreassi, S., Giuilani, A., Orsucci, F. F., & De Felice, G. Nonlinear dynamics of change in a single case of psychodynamic play therapy.
- Katerndahl, D., Burge, S., Ferrer, R., Becho, J., Wood, R., & Villacampa, M. D. M. Agent-based modeling of day-to-day intimate partner violence.
- Menninga, van Dijk, M., Cox, R., Steenbeek, H., & van Geert, P. Co-adaptation processes of syntactic complexity in real-time kindergarten teacher-student interactions.
- Pincus, D., Cadsky, O., Berardi, V., Asuncion, C. M., & Wann, K. Fractal self-structure and psychological resilience.
- Rinaldi, S., & Della Rosa, F. Warning signs of impending critical transitions in love affairs.
- Schöller, H., Viol, K., Goditsch, H., Aichhorn, W., Hütt, M-T., & Schiepek, G. A nonlinear dynamic systems model of psychotherapy: First steps toward validation and the role of external input.
- Taylor, R. P. Nature's fractal similarities: Integrating art and science.

Ad Hoc Reviewers for 2017

The NDPLS Editorial Board sincerely thanks the following scholars who reviewed manuscripts that were received in 2017.

Doris Bergen
Scott Bonnette
Anna M. T. Bosman
Xavier Bornas
Andrea Ceschi
Giulio de Felice
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Eystein Glatte
Nakia Gordon
Rachel Heath
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