

Friday, August 8

	Room 1	Room 2
	Workshop I (Introductory Level)	Workshop II (Intermediate Level)
8:30 – 12:30	Introduction to Fractals and Chaos Larry S. Liebovitch (Florida Atlantic University)	Testing Hypotheses for Nonlinear Dynamics with Popular Statistical Software Stephen J. Guastello (Marquette University)
12:30 – 1:30	Lunch	
1:30 – 5:30		Workshop III (Intermediate Level)
		CHAOS, Inc. Learning Laboratory John Winthrop Link & Jo Lee Loveland Link (VOLVOX, Inc.)
6:15 – 6:30	Welcome and Opening Remarks	
6:30 – 7:30	Sunset Address: Studying the Dynamics of Visual Search as a Window on Perceptual-Cognitive Behavior - Deborah J. Aks (Rutgers University)	

Saturday, August 9

	Room 1	Room 2
8:30 – 10:30	Economics and Decision Making	Evolutionary Dynamics and Adaptation
	The Irrationality of Decisions – Bruce J. West Numerical Explorations of R. M. Goodwin's Business Cycle Model – Alexandr Jakimowics Prototypes of Chaos and Conflict – Stephen Guastello Connection between Daily Stock Market Dynamics and Brokers Blood Pressure. New facts and old questions – Anatoly Zhirkov, Kirill Chertkoff, & Olga Zhirkova	A General Model of Human Consciousness (Global Cultural Evolution)-- Marcus Abundis The Capabilities of Chaos and Complexity – David Abel Symetric Specified Complex Information is Conserved – Don Booker Synchronized Chaos in Competitive Logistic Networks with Adaptation – Claudio Tebaldi
10:30 – 11:00	Intermission	
11:00 – 12:30	Health Sciences I	Cognition and Emotion
	A New Definition of Health Derived from Chaos and Complex Systems – Stefan Topolski The Origins and Maintenance of Human Life Based on Complexity Science – Eddie Price Nonlinear Detrended Fluctuation Analysis of Sitting Center-of-Pressure Data as an Early Measure of Motor Development Pathology in Infants – Joan Deffeyes, Naomi Kochi, & Anastatia Kyvelidou, et al.	An Examination of stochastic processes in emotional transfer: Can it change thinking from the individual to the collective? – Alan McDonnell Formalizing rare complex dynamical systems linked to anomalous cognition in SFT's framework – Christine Hardy Tropes: The Dynamical Kernels of Thought – David Rail

12:30 – 1:30	Lunch	
1:30 – 3:30	Organizations	Methodology
	<p>Full Dimension Analysis: Developing a Global Research Focus – Albert Dietz</p> <p>Social Entrepreneurship and Complexity: Findings from a Conference – Jeffrey Goldstein</p> <p>Further Demystifying Emergence: Theory and Research that Responds to Goldstein's Call and "Self-Transcending Constructions" – Sara Nora Ross</p> <p>Dynamics of workforce integration in an organizational merger – Terrill Frantz & Kathleen Carley</p>	<p>Empirical Markov Chains as Models of Dynamic Processes – Stephen Merrill</p> <p>A conceptual model of chaos theory for practical application in human resources development – Laurie Mc. Gabe</p> <p>Attractor and Lyapunov Models for Reach and Grasp Movements with Application to Robot-assisted Therapy – Dominic Nathan, Stephen Guastello, & Michelle Johnson</p> <p>Parameters Estimation: One Way to Adopt Focker-Planck Equation in Exploring the Change of Collective Attitudes – Li Xiaoping & Chen Chen</p>
3:30– 4:00	Intermission	
4:00 – 5:30	Software Demonstration	Education & Leadership
	<p>Dynamic Network Analysis using ORA Software – Terrill Frantz</p>	<p>An investigation on the factors inhibiting the activity of coordinated teaching and learning in the university system – Manobavan Manoharadas, Sumananthiran Thavayoganathan, & Seykamar Rajarathnam</p> <p>Teaching Complexity: Confessions, Emergence and Challenges – Albert Dietz, Connie Porter, & Ryan Schoenbeck</p> <p>How Leaders Think: Discontinuous Levels of Consciousness – Henry L. Thompson</p>
5:30 – 6:30	Posters & Reception	
	<p>A Cusp Catastrophe Model of Psychological Contract Obligation Perceptions – Richard Hermida</p> <p>A Cusp Catastrophe Model of Work-Family Conflict, Interruptions, and Withdrawal Cognitions – Richard Hermida</p> <p>Holding the tension: How system resilience emerges from the search for fit meaning and how Jung, Kristeva, and Arendt suggest this search proceed – Joan Conger</p>	
7:00 – 9:30	Banquet and Keynote Address	
	<p>Timing is Everything: Statistics and Dynamics of Predictive and Reflexive Eye Movements – Mark Shelhamer (Johns Hopkins Medical School)</p>	

Sunday, August 10

	Room 1	Room 2
9:00 – 11:00	Social Systems	Health Sciences II
	<p>Dynamics of Conflict: Mathematical Model of the Interactions Between Two Actors – Larry Liebovitch & Vincent Naudot</p> <p>THE FRIENDSHIP SYSTEM AND CHAOS THEORY – Rita J. Weinberg</p> <p>Econophysics and Economic Complexity – J. Barkley Rosser, Jr.</p> <p>Back to Jazzland: Spatial analysis, music and reviving social dynamics in depleted neighborhoods – Linda Dennard</p>	<p>Laser-like dynamics of a neuronal population – Gaetano L. Aiello, Enrico Bignetti, & Carlo Casarino</p> <p>EEG nonlinear dynamics in patients with Disorders Of Consciousness – Sara Marco, Francesca Pistoia, & Paulo Onorati</p> <p>Nonlinear Analysis of Heart-Rate Variability and Movement in Attention Deficit Hyperactivity Disorder – Susan Mirow</p> <p>From Simplicity to Complexity: Attachment and Attunement – Susan Mirow & Terry Marks-Tarlow</p>
11:00 – 11:30	Intermission	
11:30 – 12:30	Short Workshop	Symposium
	Reducing the Mystery of Complex Emergence: Nonlinearity in the Model of Hierarchical Complexity – Sara N. Ross	Play' s Role in Promoting Wholistic, Fluid Connections: Script Theory, Theory of Mind, Brain Development, and Transdisciplinary Trading Zones – Doris Bergen, Doris Fromberg, & Karen Vanderven
12:30 – 1:30	Lunch	
1:30 – 2:30	Business Meeting	