



**CONFERENCE SCHEDULE**  
**AUGUST 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup>, 2019**  
**29<sup>th</sup> Annual Conference of the**



**Society for Chaos Theory in Psychology and Life Sciences**

**Argyros Forum**  
**Rooms AF 206ab, AF 208, AF 209**  
**Chapman University**  
**One University Drive**  
**Orange, CA 92866**

**THURSDAY, AUGUST 1<sup>st</sup>, 2019**  
**(8:30 AM – 5:30 PM)**  
**Nonlinear Multi-Method Workshop!**  
**Room AF 208**

<b>FRIDAY, AUGUST 2<sup>nd</sup>, 2019</b>		
8:00 AM	<b>Vans leave Ayres and ALO hotels to Chapman University Schmidt Gate</b>	
8:30-8:45	<i>Refreshment and gathering, outside Room 206a</i>	
8:45-9:00	<b>Conference Opening Plenary: introductions and Kickoff Room AF 206a</b>	
9:00-10:00	<b>Opening Keynote, Room Keynote Speaker: Rick Dale (Department of Communication University of California, Los Angeles), <i>The Integrated Dynamics of Natural Language Performance</i></b>	
10-10:30	<i>Morning refreshment break</i>	
	<b>Room AF 206a</b>	<b>Room AF 206b</b>
	<i>Teams and Dyads</i>	<i>Methodology and Modeling</i>
10:30-11:00	Joel DiGirolamo, Stephen Guastello, The Nonlinear Dynamics of Coaching: A Theory	Akio Matsumoto, Ferenc Szidarovszky, Time Delays and Chaos in Two Competing Species Revisited
11:00-11:30	Dirk Schulze Kissing, Carmen Bruder, Gaze Data Provide Sensitive Metrics of Attention-Synchronization in Teams	David Schuldberg, Leveling Up and Leveling Down: A Meta-Heuristic for Seat-of-the Pants System Identification

(Paper sessions continue on next page)

## FRIDAY, AUGUST 2<sup>nd</sup>, 2019

(continued)

	Room AF 206a	Room AF 206b
11:30-12:00	David Pincus, Romantic Resilience: An Empirical Investigation of Fractal Conflict Dynamics and Relationship Satisfaction	Mikhail Zimin, Olga Kumukova, Maxim Zimin, Practical Application of Composed Functions in Method of Structural Minimization of Risk for Avalanche Forecasting
12:00-1:15	<b>Lunch (on your own); poster setup</b>	

	Room AF 206a	Room AF 206b
	<b>The Self, and More</b>	<b>Poster Session</b>
1:30-2:00	Barkley Rosser, Reflections on Reflexivity and Complexity?	Rahul Soangra, Does Lateral Stepping Gait and Dual Tasking Affect Variability of Healthy Young and Older Adults?
2:00-2:30	Stephen J. Guastello, William Futch, Lucas Mirabito, Cognitive Workload and Fatigue in a Chaotic Forecasting Task	Michael Wegener, The Good, the Bad, the Well-Connected
2:30-3:00	Mikhail Zimin, Taras Gavrilenko, Dmitriy Gorbunov, Uniformity and Non-Uniformity of Parameters of Willed and Non-Willed Individual's Movements	Ron Stevens, Trysha Galloway, Training Machines to Recognize Neural Correlates of Team and Team Member Uncertainty

	<b>Workshop</b>	
3:00-3:30	Workshop: David Pincus, Experiential Balancing Therapy (EBT): Central Goals and Useful Concepts	
3:30-4:00		
4:30	<b>Vans pick up at Chapman University Schmidt Gate to Ayres and ALO hotels</b>	
	<i>4:00 to 5:30 is free time before evening festivities, banquet, and keynote</i>	
6:00	<b>Vans leave Ayres and ALO hotels to Chapman University Schmidt Gate</b>	
6:00	<b>Reception, with beverages and hors d'oeuvres provided, Room AF209</b>	
7:00 PM	<i>Our annual Banquet opens, Room AF209</i>	
	<b>Banquet, Room AF209</b> <b>7:30-ish: Banquet Keynote Speaker: Kevin J. Dooley (Arizona State University and The Sustainability Consortium), 2050 – Musings from a Complexity Lens</b>	

**SATURDAY, AUGUST 3<sup>rd</sup>, 2019**

8:00 AM	<b>Vans leave Ayres and ALO hotels to Chapman University Schmidt Gate</b>	
8:30-9:15	<b>Refreshments with Members' Annual Business Meeting, Room AF 206a</b>	
	<b>Room AF 206a</b>	<b>Room AF 206b</b>
	<b>Cognition and Forecasting</b>	<b>Physiology and Health</b>
9:15-9:45	Adam Kiefer, Henry Harrison, Anoop Sathyan Ryan MacPherson, Kelly Cohen, Joey Facciolo, Brooke Gadd, Paula Silva, Predicting Athlete Decision Making in Simulated Sport via a Genetic Fuzzy Inference System	Xinguang "Jim" Chen, Kai Wang, Ding-Geng "Din" Chen, Cusp Catastrophe Modeling of Testosterone in Bifurcating the Age-Related Changes in an Established Prostate Cancer Biomarker PSA
9:45-10:15	Ayme Tomson, Teenie Matlock, Suzanne Sindi, Understanding Percent Cognition Via a Dynamic Systems Framework	Toru Yazawa Hiroyuki Kitajima, A Life-Threatening Pulse, Alternans, Lowers the Scaling Exponent: A Heartbeat Interval Time Series Analysis Study Using Mdfa from Invertebrates to Humans
10:15 – 10:45	<b>Morning refreshment break</b> <i>(feel free to come and go from sessions)</i>	Vincent Berardi, David Pincus, Fractal Self-Structure and Psychological Resilience
	<b>Cognition And Forecasting (continued)</b>	<b>Physiology and Health (continued)</b>
10:45-11:15	Svetlana Zimina, Mikhail Zimin, Practical Application of Composed Functions in Method of Structural Minimization of Risk for Analysis of Abnormal Behavior of Animals before Earthquakes and Mud Flows	Aiello Gaetano, A Logistic Approach to Drug Consumption in Timed Chemotherapy
11:15-11:45	Stephen J. Guastello, William Futch, Laura Marsicek, Lucas Mirabito, Dominique Green, Brittany Witty, Forecasting of Chaotic Events, Heuristic Used, and the Prediction of a Rare Cognitive Ability	Kotaro Shoji, Aaron Harwell, Charles Benight, Testing Self-Regulation Shift Theory with Hidden Markov Model
11:45-1:00	<b>Lunch (on our own)</b>	

**SATURDAY, AUGUST 3<sup>rd</sup>, 2019  
(continued)**

	Room AF 206a	Room AF 206b
	<b><i>The Coming Disaster and How to Avoid it</i></b>	<b><i>Health, Individual Differences (Chaos-related)</i></b>
1:15 – 1:45	Kevin Dooley, Surya Pathak, Thomas Kull, ZhaohuiWu, Jon Johnson, Elliot Rabinovich, Process Network Complexity and Green House Gas Emissions	Vincent Berardi, David Pincus, Evan Walker, Resiliency and Resistance to Physical Activity Interventions
1:45- 2:15	L. Johnson Davis, Impending Extinction? Why We Must Re-frame Climate Change in terms of Complex Human Adaptive Systems	Brooke Jenkins, John Hunter, Michael Richardson, Tamlin Conner, Sarah Pressman, Affect Variability and Predictability: Using Recurrence Quantification Analysis to Better Understand How the Dynamics of Affect Relate to Health
2:15-2:45	Janice Ryan, Quantification of Nonlinear Shifts Toward Prosocial Behavior in Context of Societal Evolution	
2:45 - 3:45	<b><i>Integrative Closing Plenary Session, Room AF 208</i></b> <b><i>Selected Highlights of Papers</i></b> <b><i>Methodological Issues</i></b> <b><i>Topics for Further Discussion</i></b>	
4:15 PM	<b>Vans pick up at Chapman University Schmidt Gate to Ayres and ALO hotels</b>	

***Thank you for contributing your knowledge and your presence to our 29<sup>th</sup> Annual Conference of the Society for Chaos Theory in Psychology & Life Sciences!***

***Best wishes for safe journeys home for all!***

