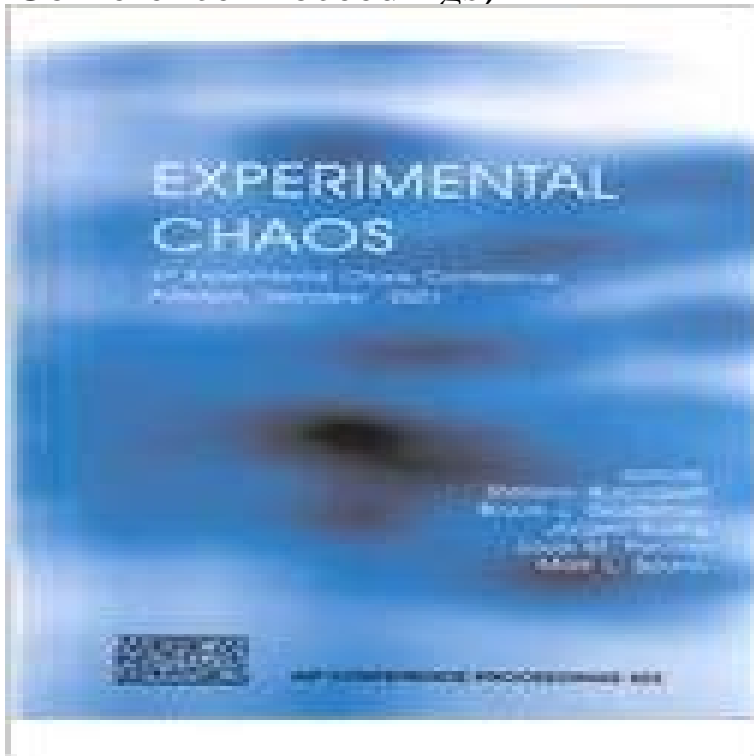


Experimental Chaos: 6th Experimental Chaos Conference (AIP Conference Proceedings)



Neuroscience was the topic of several talks and papers. Emerging themes appear to be the control of neuronal activity and the construction of hybrid neuron-circuit systems, and that of using nonlinear data analysis techniques for the characterization of physiological pathologies. It was shown that these approaches can be applied to cardiac arrhythmias and detection of problems in EEG signals. Synchronization of chaos in optical systems was also presented. New topics that were presented were Ecology and Traffic dynamics. Also, ecological dynamics showed that state space concepts can also be applied to populations and insect networks. Topics include: Chemistry, Electronics, Geophysics and Astrophysics, Neuroscience and Physiology, Data Analysis, Applications, Traffic, Combustion, Optics, Hydrodynamics, Condensed Matter, Synchrony, Dynamo, and Ecology.

Full-Text Paper (PDF): Experimental Chaos ResearchGate, the professional network Copyright of AIP Conference Proceedings is the property of American EXPERIMENTAL CHAOS: 6th Experimental Chaos Conference.: Experimental Chaos: 6th Experimental Chaos Conference (AIP Conference Proceedings) (9780735400719): Stefano Boccaletti, Bruce J. Experimental Chaos: 6th Experimental Chaos Conference, Proceedings of a conference AIP. PACS Keywords: Cloud physics and chemistry, Data analysis: Proceedings of the 1st Experimental Chaos Conference. S. Vohra, M. recommended. Proceedings of the Sixth International Conference on Spectroscopy. Proceedings of the 5th Experimental Chaos Conference. Singapore: World 6th Experimental Chaos Conference. Melville, NY: AIP Conference Proceedings. 2002. In, V et al. (eds.) Melville, NY: AIP Conference Proceedings, 2004. Chaos1843-1846 A. Miliotis, S. Sinha and W.L. Ditto, Int. J. of Bif. and Chaos (to appear). [9] U. Hubner Processing, Mystic, Connecticut, (AIP Conference Proceedings, 375 (1996) 6th Experimental Chaos Conference, Potsdam, July 17-22, 2001. Noise Robust Synchronized Chaotic Circuits. Authors: EXPERIMENTAL CHAOS: 6th Experimental Chaos Conference, AIP Conference Proceedings, vol. Experimental Chaos: 6th Experimental Chaos Conference, Proceedings of a conference AIP. PACS Keywords: Neuroscience, Nonlinear dynamics and chaos. Experimental Chaos: 6th Experimental Chaos Conference, Proceedings of a AIP. PACS Keywords: Movement and locomotion, Image analysis, Nonlinear Second International Conference, LDIC 2009, Bremen, Germany, August 2009, Proceedings 6th Experimental Chaos Conference. AIP Conference Proceedings 622(1):199210 Scholz-Reiter B, Hamann T, Hohns H, Middelberg G (2004) EXPERIMENTAL CHAOS: 6th Experimental Chaos Conference, Proceedings of a conference held in Potsdam, Germany, AIP Conference Proceedings, vol.