

Topic :

Disturbances and evolution. How do ecosystems self-organise over evolutionary time scales?

Conference Title:

Self-Organization of Complex Systems

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Abstract:

A brief introduction to the concepts of self-organization, self-maintenance and complex systems is made, as well as a summary of some mathematical tools which have been useful to model complex processes of change. We discuss a few examples of modelling of complex processes in biology: A model of self-maintaining cell metabolism and a simple model of allosteric energy metabolism. Some application areas of complexity modelling are suggested.”