

## **Why spatiotemporal chaos interests me**

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Rather than trying to give a general introduction to the subject matter of the conference, I will try to describe my own personal view. After indulging in a show of some nice pictures of structures and phenomena arising in the complex Ginzburg-Landau equation, I will focus on one of the central questions of STC: under what sort of conditions can it be "renormalized", in asymptopia, as an "effective noise". This will include a discussion of universality of the scaling laws which can be observed in various spatiotemporally chaotic systems.

### **Long-Range Order and Phase Transitions in CMLs**

I will give a review of results obtained in the study of simple coupled map lattices over the last few years.

The topics covered will be:

- emergence of collective behavior
- phase ordering
- Ising and directed percolation -like phase transitions