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Baruch Barzel | Complex Network Dynamics | Bar-Ilan University
The last decade has witnessed the birth of a new movement of interest and research in the study of complex networks, i.e. networks whose structure is irregular, complex and dynamically evolving in time, with the main focus moving from the analysis of small networks to that of systems with thousands or millions of nodes, and with a renewed attention to the properties of networks of dynamical units. This flurry of activity, triggered by two seminal papers, that by Watts and Strogatz on small ...

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Neural Dynamics on Complex Networks
In the literature, many epidemic models have been proposed to reveal propagation dynamics of disease in different structures of population, such as the compartment models for the small size and individual "well-mixed" population, and network epidemiology models for individuals with complex contact relationship in a single population.

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