

Download Design In Nature How The Constructal Law Governs Evolution Biology Physics Technology And Social Organization Adrian Bejan

Adrian Bejan has pioneered numerous original methods in thermodynamics, such as entropy generation minimization, scale analysis of convection, heatlines and masslines, and the constructal law of design and evolution in nature. In this groundbreaking book, Adrian Bejan takes the recurring patterns in nature—trees, tributaries, air passages, neural networks, and lightning bolts—and reveals how a single principle of physics, the Constructal Law, accounts for the evolution of these and all other designs in our world. In philosophy, systems theory, science, and art, emergence is the condition of an entity having properties its parts do not have, due to interactions among the parts. A couple of weeks ago James Gross, co-founder of Percolate, had me speak at their Transition conference. I talked about Carlota Perez, her theories, and the transition to the deployment period that we are currently undergoing.