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'Endless Forms' Uses the Web to Breed 3-D Printable Objects

By Cornell Chronicle

August 23, 2011

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Examples of printed objects designed at EndlessForms.com in plastic, bronze and silver.

Credit: Cornell Creative Machines Lab

researcher Jeff Clune.

From *Cornell Chronicle*

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Cornell University researchers are using their new, interactive EndlessForms.com Web site to allow anyone online to guide the evolution of printable, three-dimensional (3D) objects in an attempt to revolutionize the design of art, architecture, and artificial intelligence.

"These new design tools free people to focus on being creative, instead of being mired in the details of technical software," says Cornell professor Hod Lipson.

Now that 3D printing is gaining popularity, EndlessForms' goal is to unleash the design process and flood the industry with one-of-a-kind objects.

The researchers also want to use EndlessForms to design soft-bodied, agile robots with complex neural networks. Thus far, the researchers have been able to produce robots with coordinated, graceful behaviors that are superior to other approaches that do not include developmental biology concepts, according to Cornell

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