DEXIGNER

EVOLVE solidThinking
Render beautifully.
Image courtesy of Martina Semeraro

Apertures at SCI-Arc

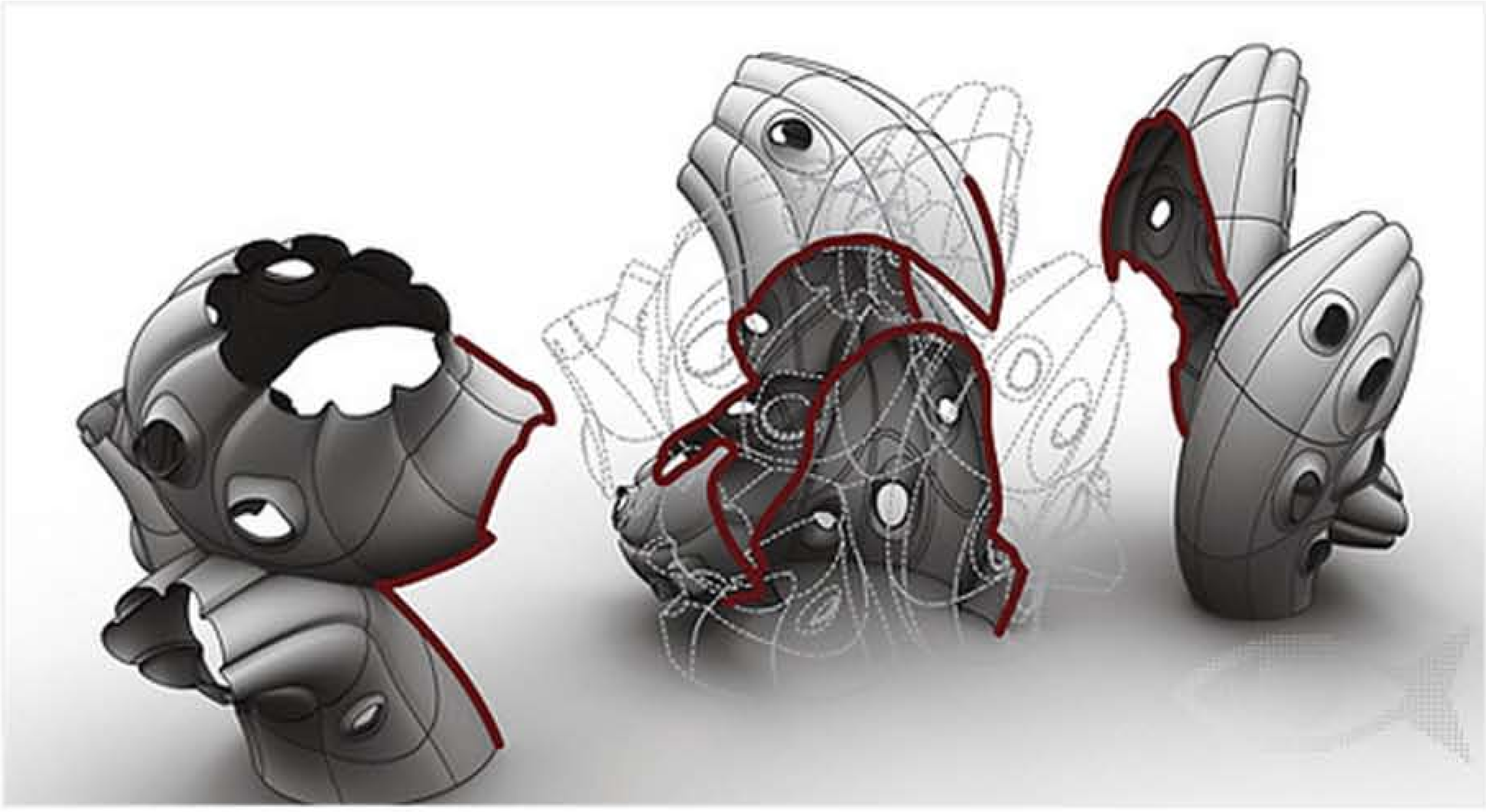
Apr 21, 2014 5:34 am

Like Tweet g+1 16

Apertures, on view at the SCI-Arc through May 18, is a site-specific installation designed by Herwig Baumgartner and Scott Uriu.

The exhibition reflects a current architectural discourse of digital ecologies, emphasizing the relationship between the natural world and advances in digital technology, which leads to a new type of interactive, organic buildings.

The installation focuses on a symbiotic relationship between nature, building morphologies, and material expression.



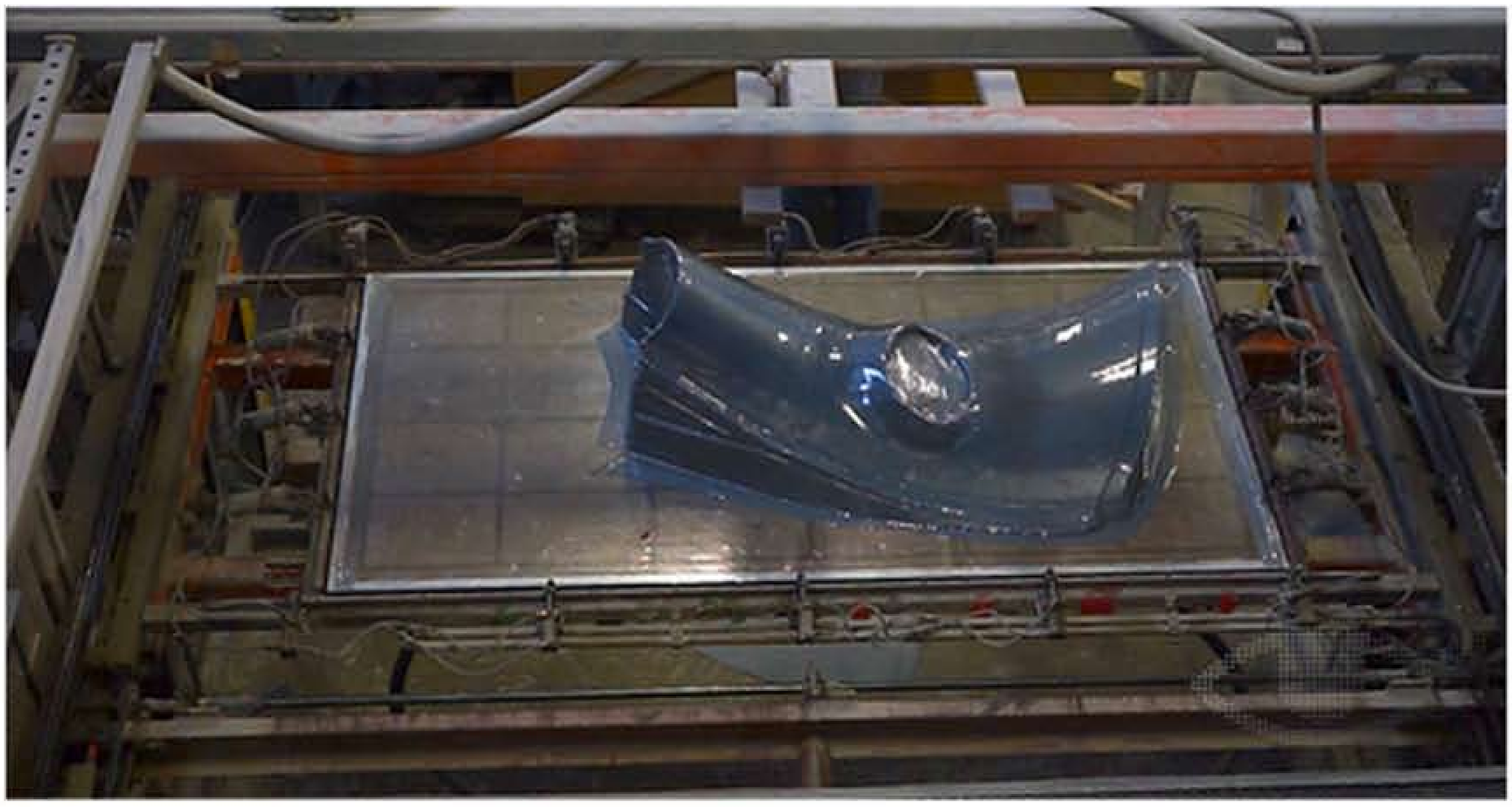
Rooted in Baumgartner+Uriu's work and ongoing research, Apertures challenges the notion of an architectural opening as a static object.

Moreover, it aims to redefine the DNA of a window both in terms of its appearance and materiality, as well as its nature as an object in continuous flux, responding to its environment through movement or sound.

The pavilion and its apertures are designed to physically engage the visitor with the architectural work through sensors and sound feedback loops, creating an immersive

spatial environment in which the visitor can experience their own biorhythms.

The 16-foot-tall, thin shell structure was designed to solely rely on its extremely thin surface (1/8") as support, requiring no additional structural elements. Structure and surface are collapsed into a single component supported through its shape, creased surfaces and material strength only.



Each one of the 172 panels is unique in terms of its shape. They are CNC milled from polyurethane foam, heat formed out of thermoplastic polymer resin, and then laminated together into a single object.

Sponsored Links

Buy Hightail Professional
hightail.com/Pro
Unlimited file storage, sends, and access from anywhere. Sign up now.

Design Directory

SCI-Arc
960 East 3rd Street
Los Angeles, CA 90013
United States
phone: 213.613.2200
sciarc.edu (549)
category: Architecture Education

Source Serif: Adobe's New Open Source Typeface

Like 30k Dexigner on Facebook
Follow @dexigner on Twitter
Follo