



Allard Prize Dynamics

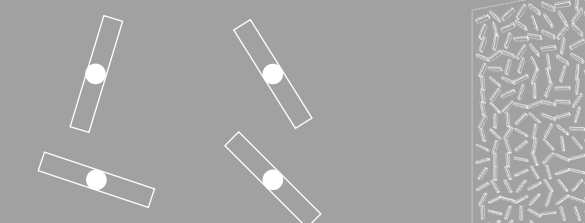
"Corruption is an insidious plague that has a wide range of corrosive effects on societies. It undermines democracy and the rule of law, leads to violations of human rights, distorts markets, erodes the quality of life, and allows organized crime, terrorism and other threats to human security to flourish."

Former UN Secretary General, Kofi Annan, UNCAC 2003

An infectious force, corruption destabilises systems and inherently acts to prevent interventions against it. Recognising those with the initiative and courage to fight this disease, in what is often a thankless mission, will be essential in the ongoing struggle for transparency and real democracy.

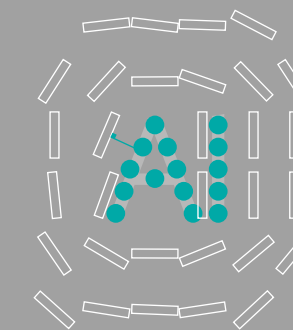
An interaction between forces is rendered in this award design, where an underlying structure and topology is revealed to highlight and celebrate the award recipient. A snapshot of a computational simulation, it is rendered in bronze, creating a texture and form that is both a visual and tactile experience.

Contemporary designs that are minimal yet complex, these awards are produced through industry leading digital fabrication processes. Each award is unique, generated and fabricated specifically for its recipient, whilst all of the pieces produced become a part of a family of designs that collectively represent the legacy of the Allard Prize.



`dir = random();`

Chaotic random particle field



Effectors placed on text influence particle field



Surface deformed by effectors



Additional effectors added to surface

Bespoke Computational Design

The source of this design is a custom application that simulates a field of particles around one or more gravity effectors. These particles are represented by extrusions that create a turbulent pattern on the surface of the form, while also affecting the topology of the body surface.

Typography on the award is used as a visual source of this effect, drawing the eye and highlighting the recognition of the award recipient. Through this generative computation process, each award surface and texture is a unique composition.

Interact with the design tool online:
www.diatom.cc/allard_prize_dynamics/



Fig.01



Fig.02

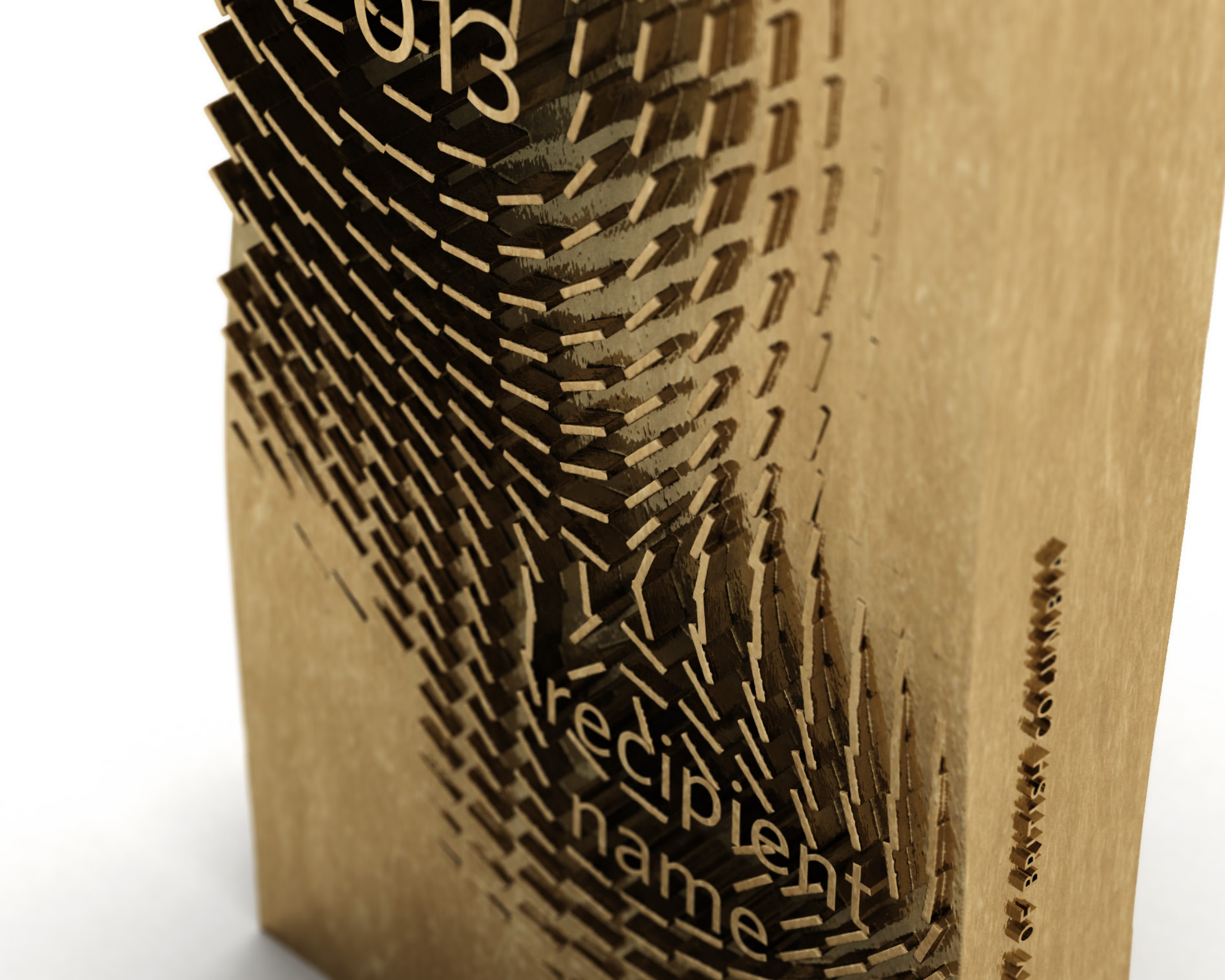
Fig.01: 3D wax printer: <http://romanoff.com/>
Fig.02: Lost-wax bronze casting: <http://www.flickr.com/photos/alloycastproducts>

Artisanal Digital Fabrication

These one-off designs are made through a digital fabrication process common in modern jewellery and dental prosthetics production. First a wax original is produced through additive 3D printing, capturing all textural and typographic detail of the digital model at 16µmm precision.

Through a traditional direct lost wax casting process this original is then cast in silicon bronze, whilst using an ammonium sulfide cupric nitrate blend a hot patina is applied that adds color and depth to the surface texture.

Though each design is unique, this process allows reproductions to be easily produced from the original digital model.



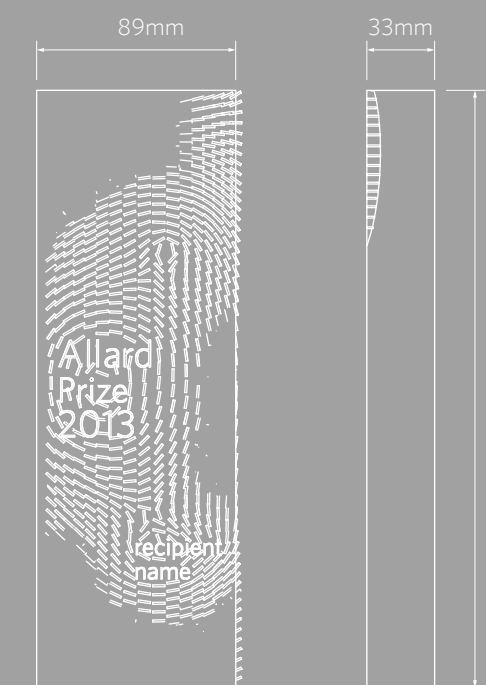
Award Recipient Legacy

As opposed to decoration, the acknowledgement of the individual, movement or organisation who receives the award is an integral part of this design. Their title or name serves as a visual focal point, as well as a direct geometric influence on the structure of the topographical pattern, seeking to emphasise and celebrate the gravity of their achievement.

The minimal composition creates a clear brand image for the award that can be updated over time, as well as adapted for use in other media, providing a robust and practical design solution.

The fabrication process is a cost effective one that is widely used across many industries, ensuring that each piece is straightforward to commission. The design is one that could also be updated to work with future materials and technologies with ease.

Because each recipient is unique, so too are these awards. Individually crafted for each ceremony, these are artifacts that belong to those recipients as items to be cherished and as a source of inspiration to others. As successive awardees are announced, this family of designs will grow and highlight the diversity of the recipients.



Dimensions

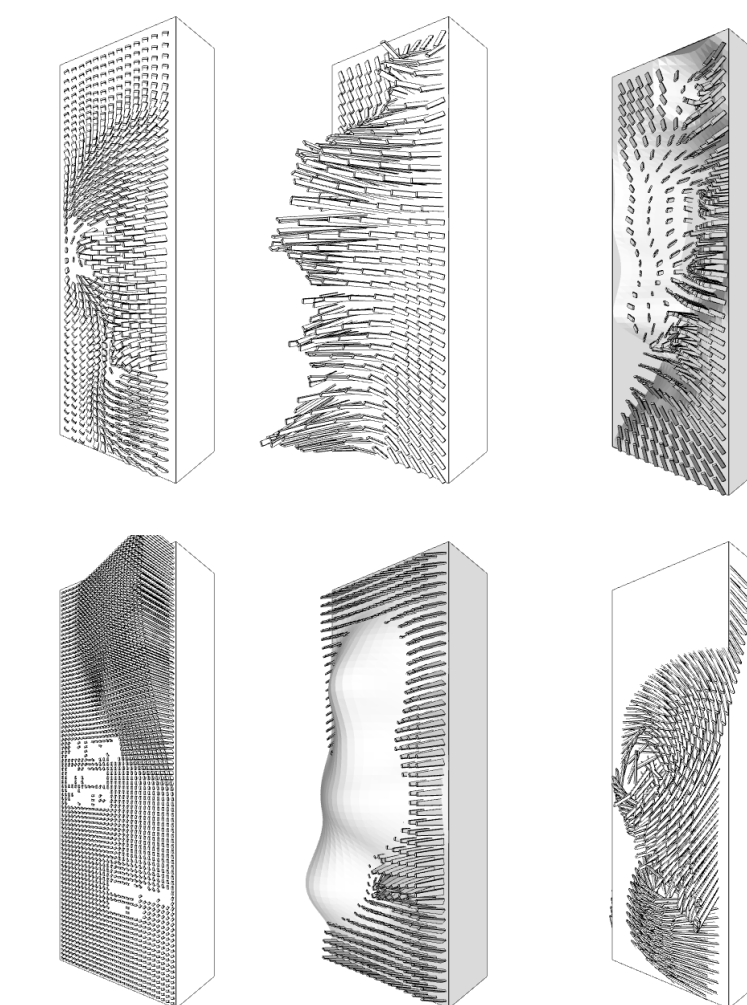
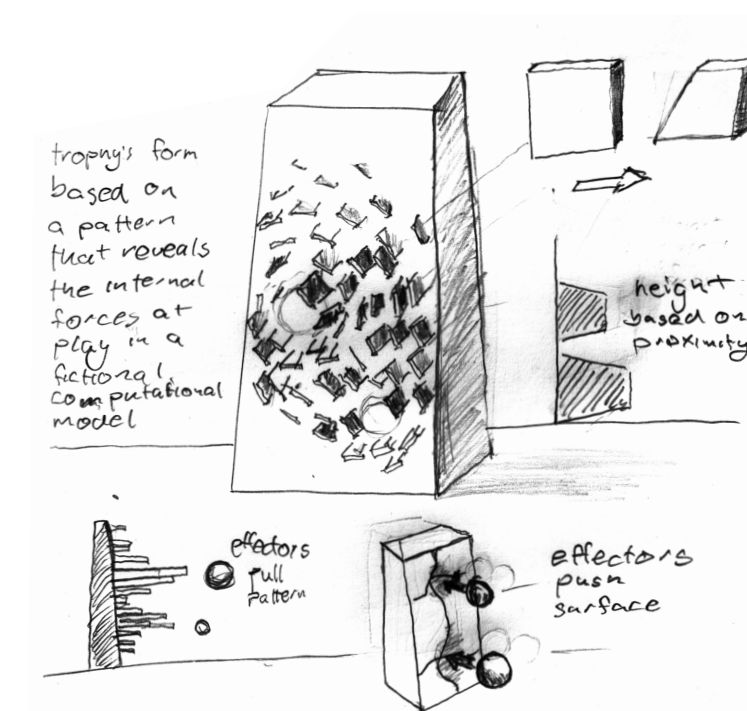


Flow field diagram

Intelligent Graphic Design

The custom application produces a flow field based on placement of the type and the position of additional gravity sources, all of which can be repositioned and scaled to create a wide range of effects and textural outcomes. Working in three dimensional space, the two-dimensional front and rear surfaces of the award transform to reveal an internal form, suggesting disclosure and transparency, and stability and coherence emerging from a chaotic system.

The sides of the award are left clean, as if cropped from a larger field of particles, whilst on one side is embossed the university logo and wordmark, acknowledging the University of British Columbia's administration and stewardship of the Allard Prize.



Form iterations

Design Origins

As a studio we are passionate about generative systems and working with computation to create new and dynamic design outcomes, and new tools and experiences for designers and consumers alike. We wanted to apply this to the design opportunity here in some way, without detracting from the real importance of the award, the achievements of recipient.

We share a lifelong love of making, and are excited to have the opportunity to apply our craft to contribute to this important event and initiative.