



**RS 201**

# Kinetic Choreographies

For this introductory design workshop, RS201 is interested in the composition of exquisite kinetic choreography. We will explore the expressiveness of kinetic motion and apply choreographic thinking into our design. We will study and design motion patterns, review them for expressive intent, generate through code, visualise with simulation and apply them to the design of a physical construct in the form of a small kinetic sculpture.

Module: Introductory Design Workshop (5 credits)

**Tutors: Jessica In + Sean Malikides**

**Workshop days:**

Day 1: Monday 29th Oct. 10-6pm.

AM: Studio + workshop intro, brief intro, setup

PM: code exercise (individual), begin design esquisse (groups of 3).

Day 2: Tuesday 30th Oct. 10-6pm.

all day: (groups of 3) Design production, tech troubleshooting, filming.

**Workshop outcomes:**

The main outcome of this two day workshop will be the design and production of a small kinetic sculpture. Working in groups of three, students will design, code, fabricate and film a small kinectic piece. Software template and actuator kit will be provided for the duration of the workshop.

**Submission details:**

- Processing code
- short (30 sec - 1 min) video of your sculpture in motion.
- format: 1920x1080p 16:9 H.2634 MP4
- the final date for submission via Moodle is the 10th December 2018.

**References** | Workshop specific

Heider & Simmel. William Forsythe, Black Flags. Senster. Arthur Ganson. Jean Tinguely. Theo Jansen. Pask, The Colloquay of Mobiles. Alexander Calder . Lynn Chadwick. Studio Drift. Animaro. Ivan Black Sculpture. Reuben Margolin. Art+Com. Larry Cuba, Viking Eggeling, Saul Bass, John Whitney, Norman McLaren, Oskar Fischinger

**Readings** | Architecture

Junkspace, Rem Koolhaas  
 Warped Space: Art, Architecture and Anxiety in Modern Culture, Anthony Vidler  
 Architectures of Time: Toward a Theory of the Event, Sanford Kwinter  
 Time-based Architecture, edited by Bernard Leupen, René Heijne, Jasper van Zwol  
 Immaterial Architecture, Jonathan Hill  
 Drawing the motive force of Architecture, Peter Cook  
 Education of an Architect, John Hejduk / Cooper Union  
 Architecture, Spectacle and Use, edited by Anthony Vidler  
 Society Of The Spectacle, Guy Debord  
 Drawing Architecture AD, Neil Spiller  
 Pamphlet Architecture 28, Smout Allen  
 The Art-Architecture Complex, Hal Foster  
 Beyond Architecture, Robert Klanten + Lucas Feireiss  
 Imagine Architecture, Lucas Feireiss  
 Temple Island, Mike Webb  
 Flesh, Diller + Scofidio  
 Scanning, Diller + Scofidio  
 Vermeer's Camera, Phil Steadman  
 Laurie Anderson, Trisha Brown, Gordon Matta-Clark (exhibition catalogue)  
 Blurred Architecture, Rachel Hann  
 Understanding Comics, Scott McCloud  
 Reconstructing the Social, Bruno Latour  
 Montage and Architectur, Sergei M. Eisenstein

# Kinetic Choreographies

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**References** | Artists

Lee Bul	Do Ho Suh	Ahn Doojin
Ai Weiwei	Jonas Dahlberg	Akinori Goto
Daniel Crooks	Sam Taylor-Wood	Cai Guo-Qiang
Anthony McCall	Patrick Tresset	Arthur Ganson
James Turrell	Hiroshi Sugimoto	United Visual Artists
Olafur Eliasson	Carlos Cruz-Diez	Jeppe Hein
Dan Flavin	Jason Bruges	Rafael Lozano-Hemmer
Andreas Gursky	Yayoi Kusama	Gustav Deutsch
Fischli & Weiss	Troika	Keiichi Matsuda
Rei Kawakubo	Marcel Duchamp	Rene Magritte

**References** | Architects

Arakawa + Gins	SANAA	Kengo Kuma
Tadao Ando	Taniguchi Yoshio	Sou Fujimoto
Shin Takamatsu	Junya Ishigami	Isamu Noguchi
Atelier Bow-Wow	Grafton Architects	Cedric Price
Philippe Rahm	Diller + Scofidio	Superstudio
Alvaro Siza	Archigram	Constant Nieuwenhuys
Luis Barragán	Lina Bo Bardi	Paulo Mendes da Rocha
Bernard Tschumi	Practice Architecture	Office for Subversive Architecture

**References** | Motion, Choreography + Notation:

Waltz Binaire	Kate Sicchio	Wayne McGregor
William Forsythe	Frank + Lillian Gilbreath	
Etienne Jules Marey	Eadweard Muybridge	Berenice Abbott
Trisha Brown	Rudolf von Laban	Lucinda Childs
Cornelius Cardew	John Cage	

**References** | Exhibitions / Events:

Space Shifters, Hayward Gallery	Strange Days: Memories of the Future, 180 Strand
Video Games, V&A	Lee Bul, Hayward Gallery
Do Ho Suh, Victoria Miro	Ryoji Ikeda, Store Studios
Haroon Mirza	Gregory Crewdson
Everything at Once, Store Studios	Rachel Whiteread, Tate Britain
Bjork Digital	Wayne McGregor +/- Human
Into the Unknown (Barbican)	Ai Weiwei: Royal Academy of Arts
Digital Revolution (The Curve, Barbican)	Kinetic Artfair
Light Show, Hayward Gallery	Joan Fontcuberta, Stranger than Fiction
Sensing Spaces, RA	Revelations: Experiments in Photography
Anime Architecture: Backgrounds of Japan	