



Re-Collect

Jane Tingley
Michal Seta

Project Description:

Re-Collect is an interactive sculptural sound and light installation that is immersive in nature and is designed to evolve through interaction. The piece is built around a central spinal cord of fibre optic cabling and data wires, which feed sound and light to thirty suspended semi transparent sonic objects that were modeled after a synapse. The totality of the installation resembles a large luminescent tree like form that evokes both aquatic and terrestrial worlds, and the movement of light throughout the sculpture is suggestive of electricity moving through a neuron or synaptic pathways within the brain.

Re-Collect is comprised of thirty objects that are broken down into five groups of six - each group containing one channel of sound, several speakers, fibre optic cables, LEDs, a microphone, and a sensor. There are three main modes of responsiveness, which use human experience as inspiration. When the viewer enters the space they awaken the installation from the dream state, which involves ambient light fluctuations and occasional sound events randomly generated by the physics engine that drives the spatialization software. Once awakened the installation enters the agitation state. In this state Re-Collect is actively responding to the viewer, whose movements push the sounds throughout the room thereby generating unique sound experiences. These sounds are "memories" or sound files from the past that have been processed by the system to various degrees. The lighting fluctuations during this period are connected to both the sound spatialization engine and movement of the viewer. The final stage is the listening stage, which emerges from and folds into the agitation stage. This is when the installation listens to its surroundings, gathers memories with which to form future sonic experiences. These memory files contain ambient sounds, the sounds of itself, and also fragments of conversations from past visitors. As a result, the sound of the installation changes according to the sonic quality of each exhibition location.

The interactive experience in Re-Collect is subtle in nature and does not have a one-to-one relationship. It does not try to communicate in anyway with the viewer, but rather resembles a living system similar to a coral reef - it knows you there and tries to find equilibrium based on your presence. Its personality is revealed slowly over time, and is shaped by both its environment and visitors to the space. In its totality, Re-Collect forms a luminescent and sonic mass attentive to its environment, which uses sound as a metaphor for the electrical impulses moving through the brain and points to the moment that two entities meet – when memories form – entangle with the present – and shape experience.

<http://janetingley.com/re-collect/>

Artist Bios:

Jane Tingley is an Assistant Professor in Hybrid Media in the Department of Fine Arts and the Stratford Campus at the University of Waterloo in Ontario Canada. Her work combines traditional studio practice with new media tools - and spans responsive/interactive installation, performative robotics, and the creation of a gestural game. Her current artistic trajectory is interdisciplinary in nature and explores the creation of spaces and experiences that push the boundaries between science and magic, interactivity and playfulness, and offer an experience to the viewer that is accessible both intellectually and technologically.

She is a founding member of the Modern Nomads and has participated in exhibitions and festivals in Canada, Asia, and Europe - including translife - International Triennial of Media Art at the National Art Museum of China, Beijing, the Canadian Embassy and Gallerie Le Deco in Tokyo (JP), Festival Break 2.3 in Ljubljana (SL), Elektra Festival in Montréal(CA) and the Künstlerhaus in Vienna (AT). She received the Kenneth Finkelstein Prize in Sculpture, and has received support from a number of funding agencies, including the Manitoba Arts Council, le Conseil des arts et lettres du Québec, and the Canada Arts Council.

Michal Seta wears many hats. He's the director of software development at Society for Arts and Technology and research assistant at Matralab, Montreal, composer/improviser, performer and digital artist. He enjoys creating and using digital tools for artistic expression. He is involved with with a networked collective Melatab[SAT], a co-founding member of the electroacoustic trio No One Receiving (Grain of Sound label) and the other half of the poetry and electroacoustic improvisation duo UniSecs. His works have been exhibited or performed in Europe, USA and Canada. He has worked with Sandeep Bhagwati, Marie Chouinard, Roger Sinha, Damian Taylor and many others in bridging the gap between the tangible world and digital matter.

Re-Collect – Technical Data

Technical details:

Dimensions and weights: (W x L x H)

- Wooden Box # 1: 106 cm x 54 cm x 46 cm (42" x 21.5" x 18"), 59 kg (130 lbs)
- Wooden Box # 2: 102 cm x 54 cm x 43 cm (40" x 21.5" x 17"), 59 kg (130 lbs)
- Wooden Box # 3: 141 cm x 21 cm x 72 cm (55.75" x 8.25" x 28.25"), 30 kg (65 lbs)

Installation needs:

- The installation is adaptable to differently shaped space. The objects hang from the ceiling. If the ceilings are high – long ropes can be used to hang the objects.
- Power needs to be brought up to the ceiling. Each node requires one plug. There are 5 nodes
- Space required: between 37 - 74 m2 (400- 800 ft2). The piece can also be in a larger space, which will provide space around the sculpture – providing a better viewing angle. The sound can fill a larger space if the subwoofer is strong enough.
- Power required: 1 x 120V circuit or 220 V
- Setup time: 1-3 days

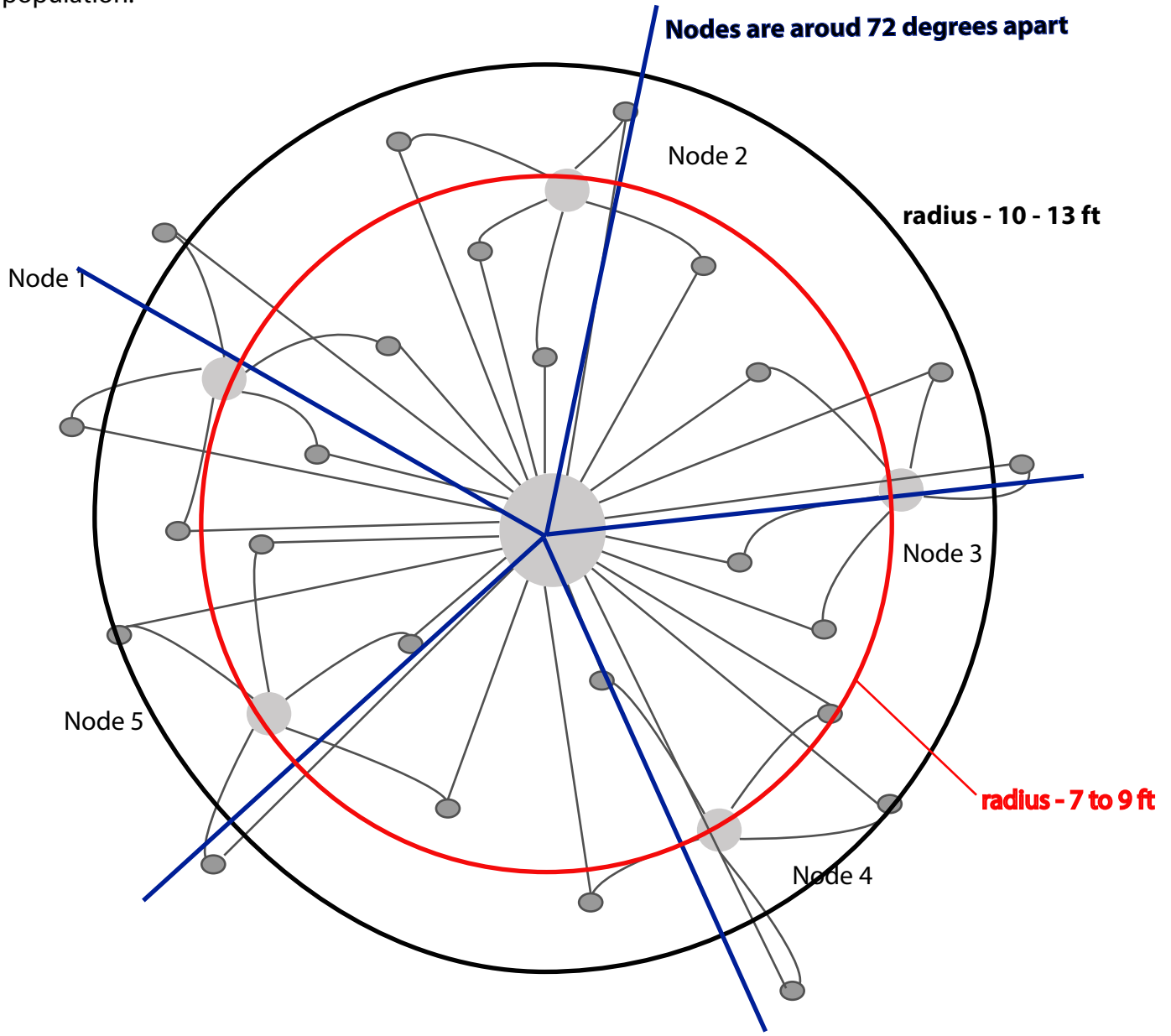
Quantity	Item
1 – Gallery	High quality subwoofer with speakers (or single active speaker 700 watt)
30	Custom fiberglass objects with fiber optic filaments, cords, LEDs and speakers or microphones.
5	Small custom black interfaces with custom electronics and PIR sensors
3	Custom white interfaces with custom electronics
25	Custom Aluminium rods (3 ft in length)
5	Custom Aluminium circle brackets with magnets (3" in diameter)
5	Custom plexi glass disks (different sizes) (2 parts) with 22 Black custom plugs in plastic bag
5	Custom black brackets (2 parts – attached to plexi discs)
1	Behringer Ultragain Pro-8 sound interface and power cord – S1202158187
1	RME Hammerfall DSP Multiface - #22363638 and power cord.
1	IBM Thinkpad and power supply – s/n LV-AD216 06/11
1	Power transformer Model: F-200w – 120 VAC – 220VAC 200 Watts
1	LINKSYS Cisco Router and power supply – Serial # CSV01H317485
1	PIR sensor on long black cable (door sensor)
10	Custom built – 3 ft ¼" male to ¼" male audio cables
1	10 ft ¼" male to ¼" female audio cable
1	3 ft ¼" male to 1/8" male audio cable
1	6 ft ADAT optical cable (very thin)
1	5 ft USB A to B (black)
1	3 ft USB A to B (black)
5	Custom built – 20 ft 5 pin (male) to 5 pin (male) cables (for black interfaces)
1	10 ft firewire cable
1	6 ft Ethernet cable
1	Black power bar – NOMA
6	AC adapter – Volgen – Model - KTPS24-09025MP
1	Circular table - black

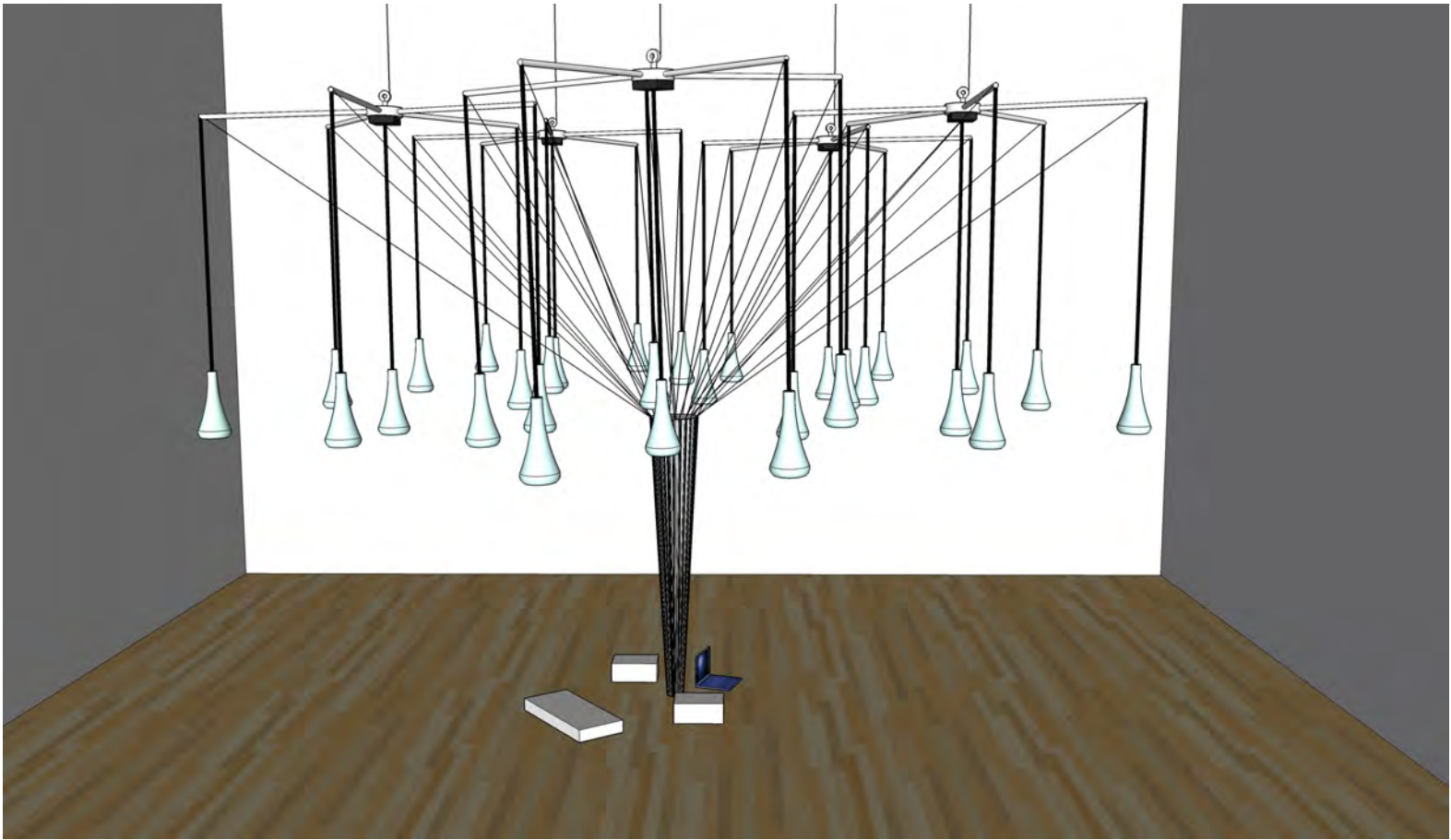
Floor Plan - Re-Collect

Re-Collect hangs from the ceiling from the centre of each of its nodes. Each node is anchored with fishing line to prevent it from spinning from the central point and is placed no more than 6 feet from the centre of the installation.

The installation can occupy between 400 - 800 sq ft (37 - 74 sq m)

The bottom of the objects hang around 6 ft (1.8m) off the ground depending on average height of population.





To ceiling -indeterminate length

apparatus - each arm is 3 ft in length

3 feet

1 foot

to ground - 6 to 7 feet

