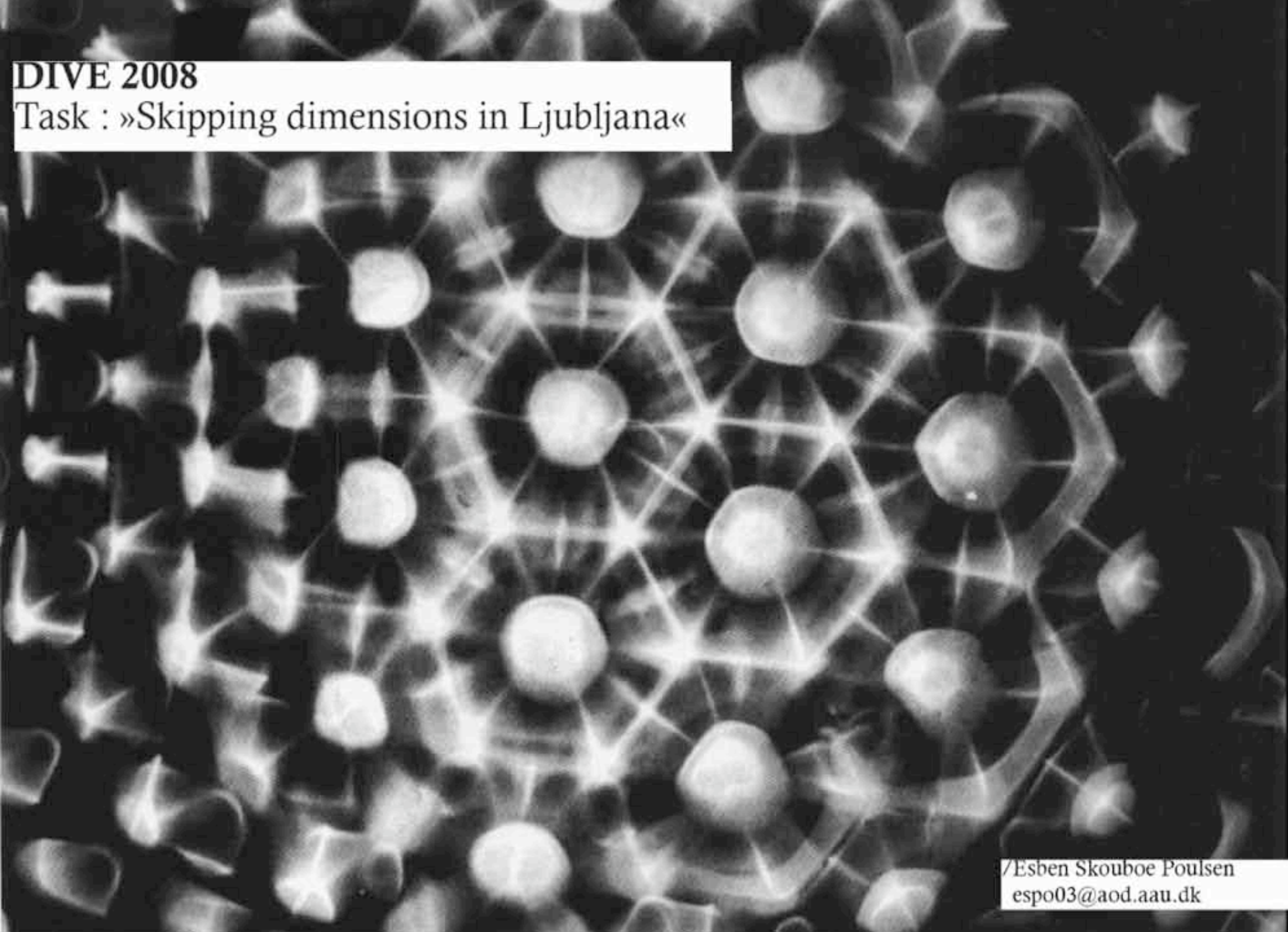
DIVE 2008

Task : »Skipping dimensions in Ljubljana«



/Esben Skouboe Poulsen
espo03@aod.aau.dk

Virtual environments and **parametric architecture** as generators of different **site specific proposals**.

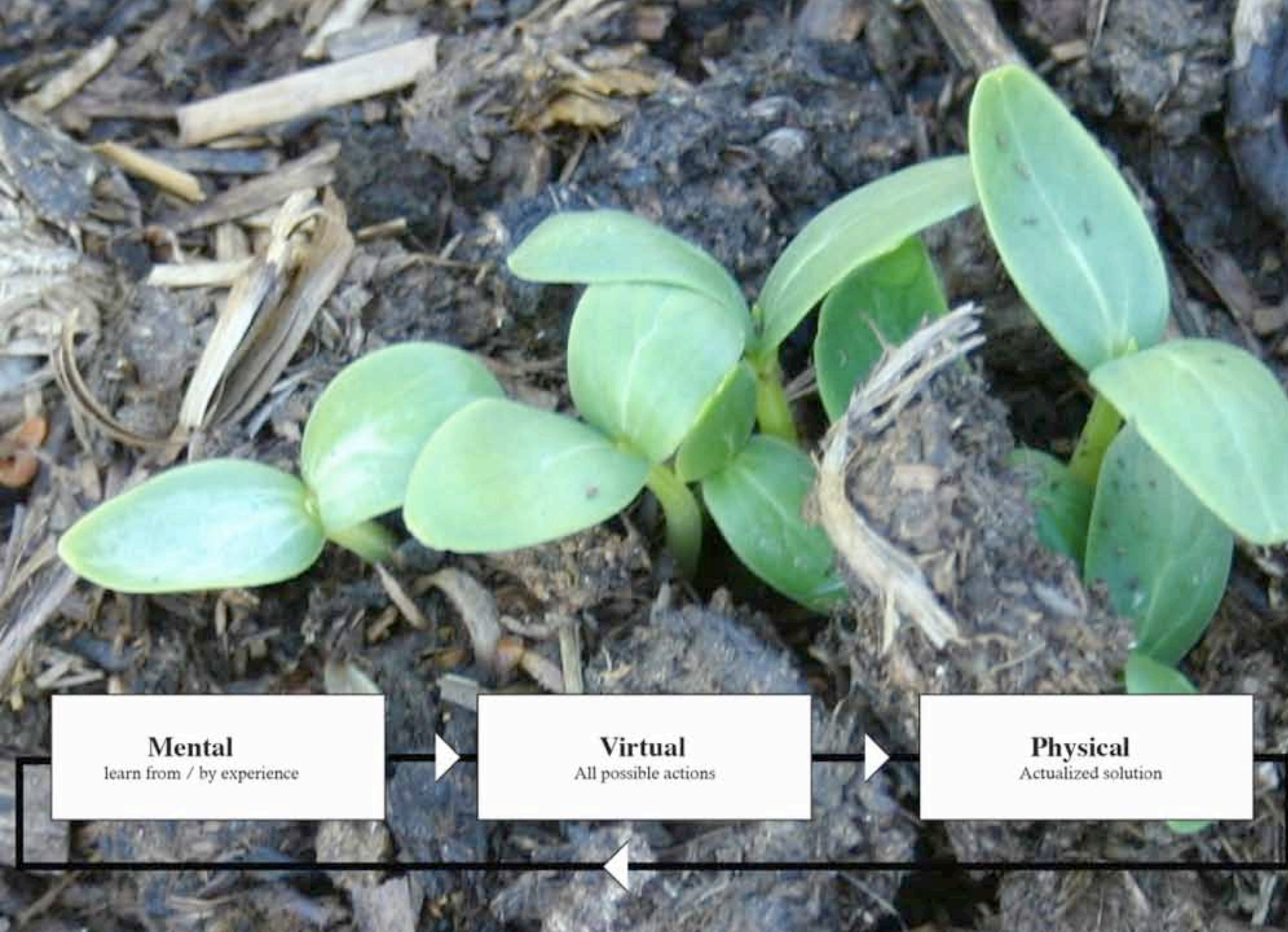
Reflections of real in virtual, reflections of virtual in physical environments and their connections.

/Esben Skouboe Poulsen
espo03@aod.aau.dk

Etymologically definition of Virtual:
"Virtual means full of virtue, virtue being taken here **as a capability to act**. According to the old philosophical distinction between capacity and act, virtual reality is nothing but a potential awaiting its full actualization. Virtual reality is by no means unreal, but its full effect is not jet in evidence...
Virtual reality can be interpreted as a germ, as the starting point of a dynamic evolution."
(Picon, A; 2007)

The virtual designates that which is **not yet seeable, explainable, representable in terms of already existing concepts or expectations.** Thus the actualization of the virtual must involve the creation of invention of the unforeseen, the emergence.

"The diagrammatic or abstract machine does not function to represent, even something real, but rather constructs a real that is yet to come, a new type of real." Gills Deleuze, 1987


Mental
learn from / by experience
Virtual
All possible actions
Physical
Actualized solution

Koyaanisqatsi

Ko.yaa.nis.qatsi (from the Hopi language), n.

What is a Public space ?

Philosophical concept:
a place where society is formed

Public realm:
'the sphere of social relations going beyond our own circle of friendships, and of family and professional relations. The idea of a public realm is bound up with the ideas of expanding one´s mental horizons, of experiment, adventure, discovery, 'surprise'.
(Bianchini & Schwengel 1991, p. 229)

Assignments for the spatial designers

Maarten Hajer & Arnold Reijndorp are interested in 'public domains':

"We are seeking opportunities for creating spaces that facilitate 'cultural mobility': places where people can have new experiences, where a change of perspective is possible!"

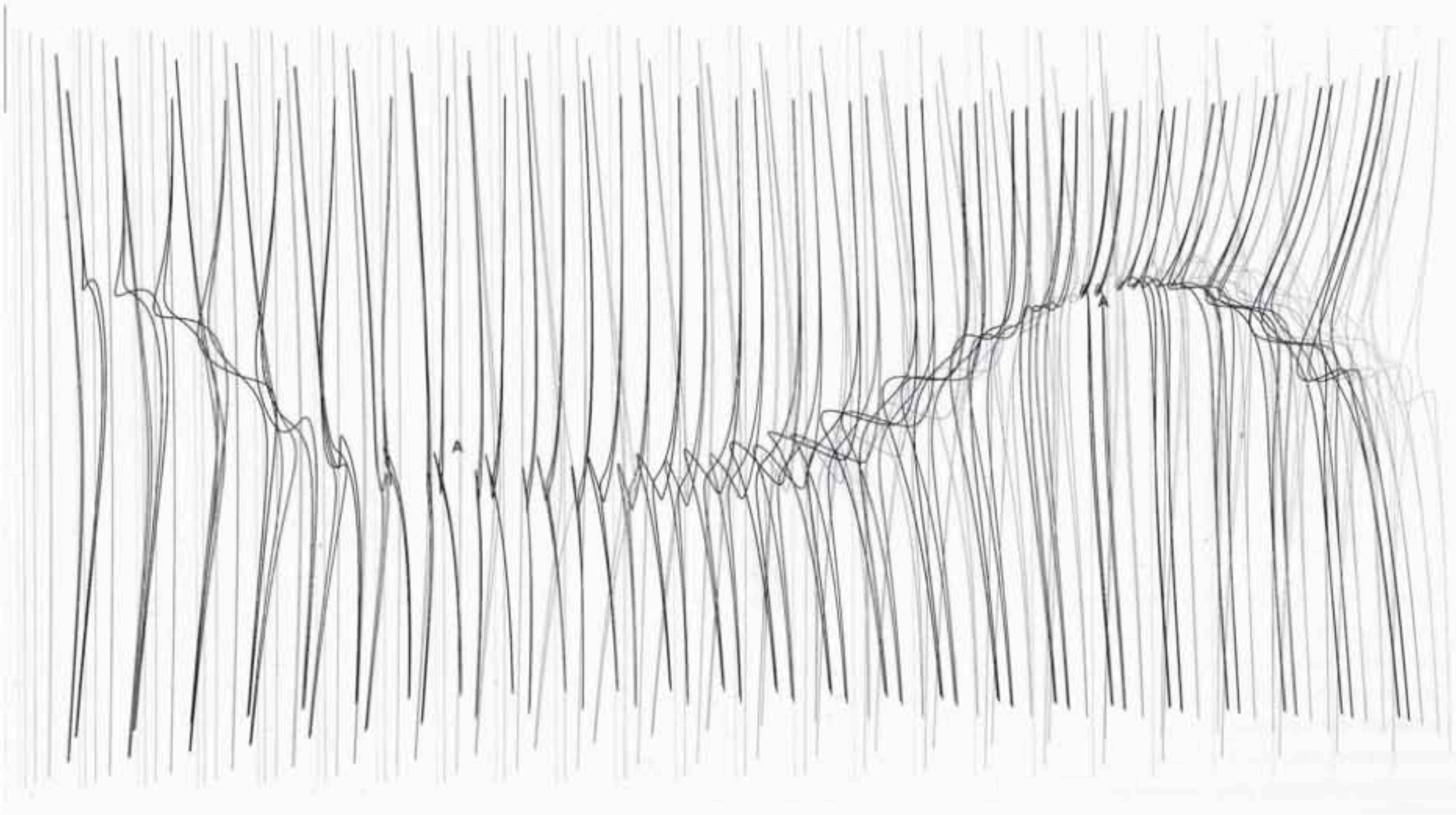
"...it is not the functional relations that are central,
but the cultural significance of place."

The Wether Project, 2003 Olafur El

low do we orient, how do we feel, how do we group or ungroup?" All these questions have to be osed together with "how does it stand up?" Lars Spurbrouk

Olafur Eliasson, Your spiral view

"A cause always precedes its intended effect."
(Rahim 2006)

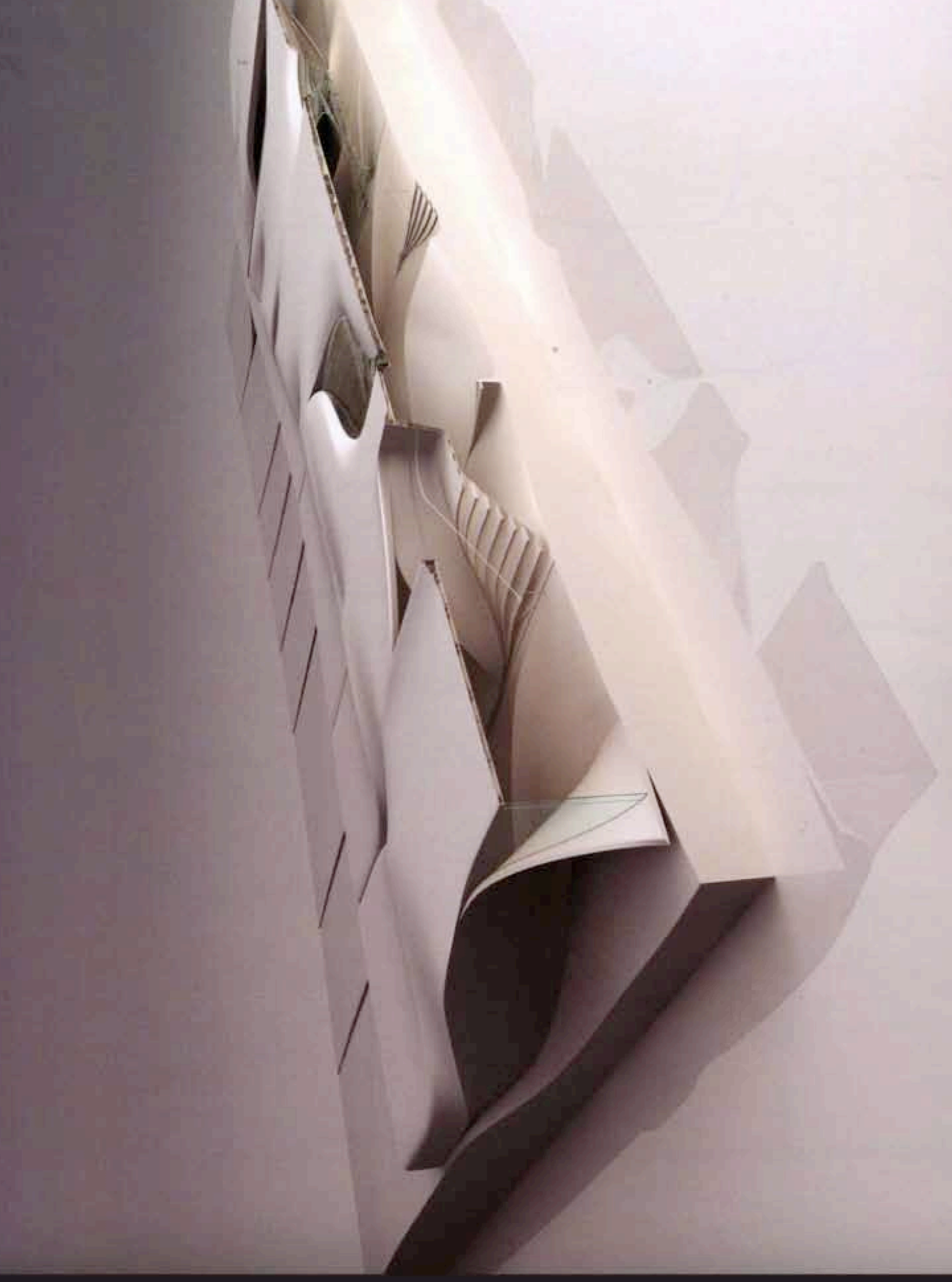


Dynamical systems with Springs and particle Fields

Ali Rahim: Leisure Center for the 2004 Olympic G
Athens (Rahim 2006 p35)

Dynamical systems with Springs mapped through Time

Ali Rahim: 'Performative Leisures' (2002-3).
(Rahim 2006 p35)



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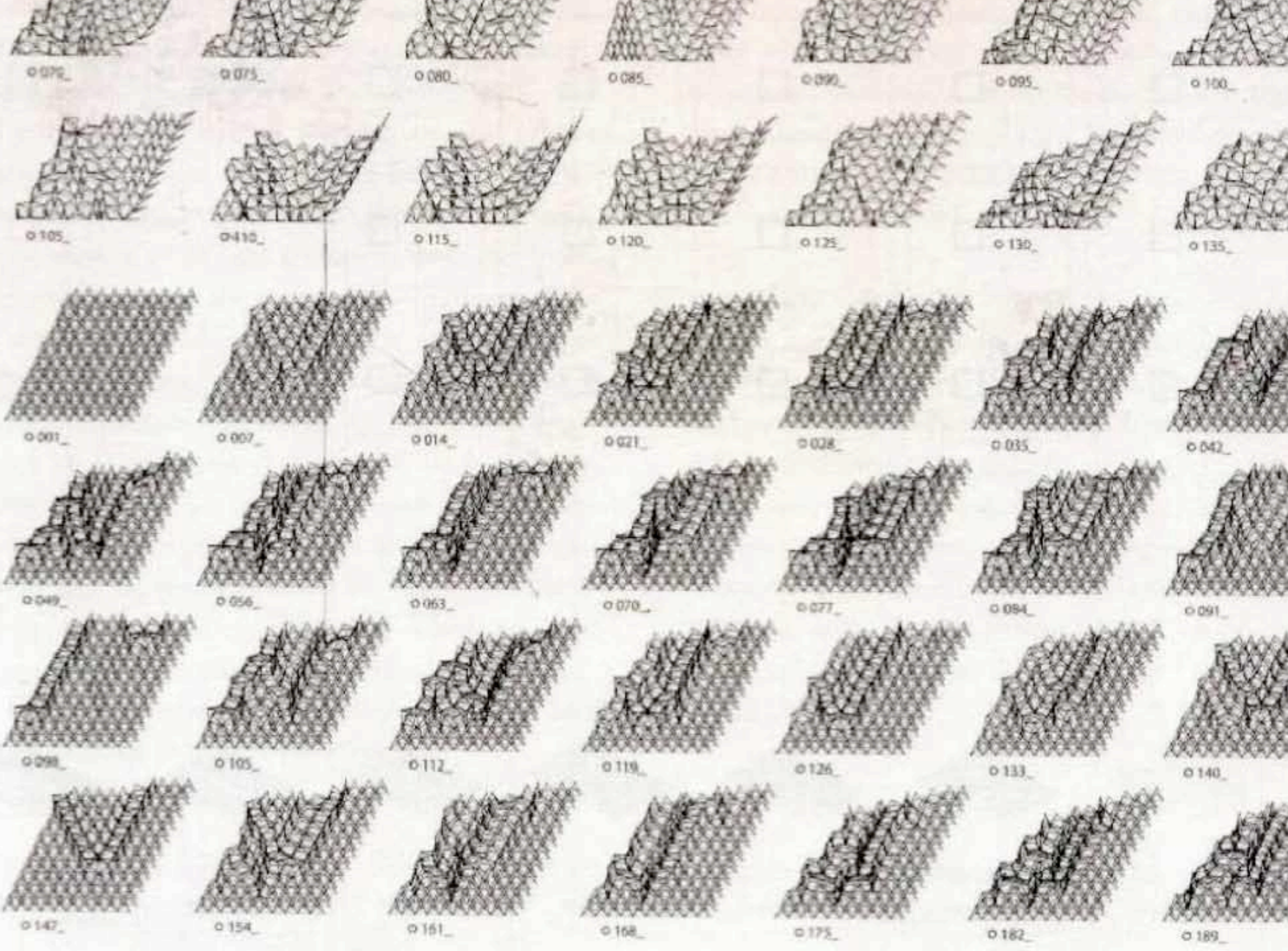
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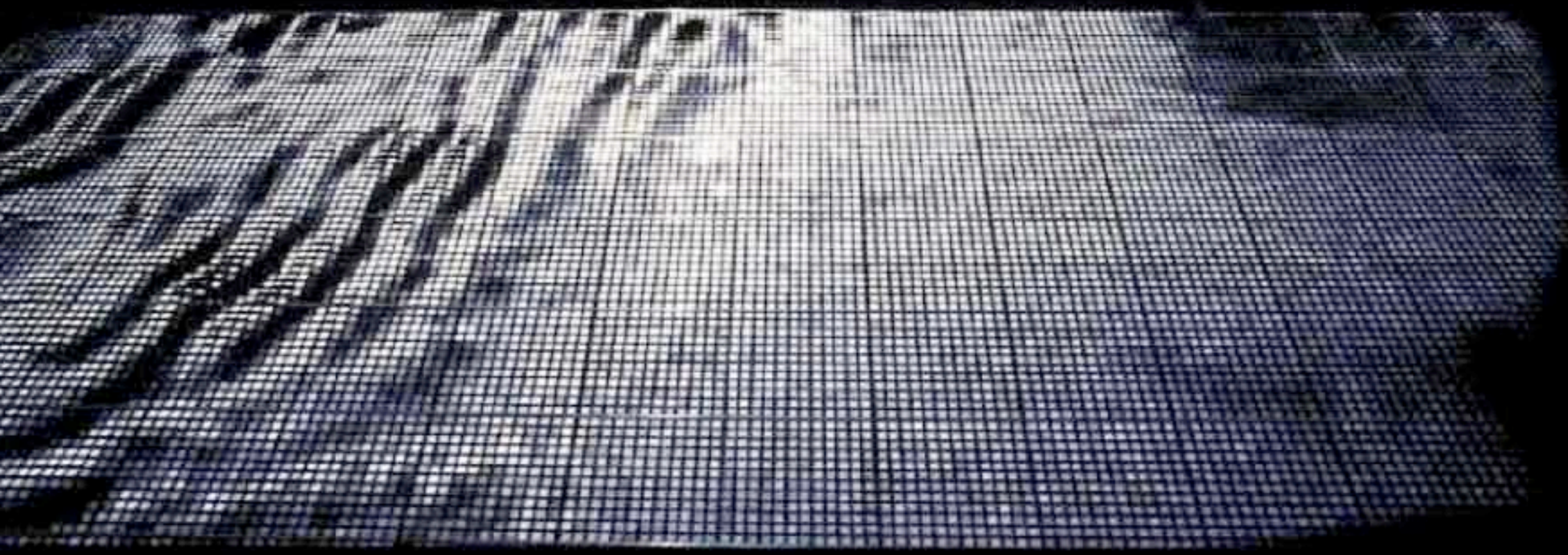


Wind Veil - Gateway Village, Charlotte, North Carolina. 20

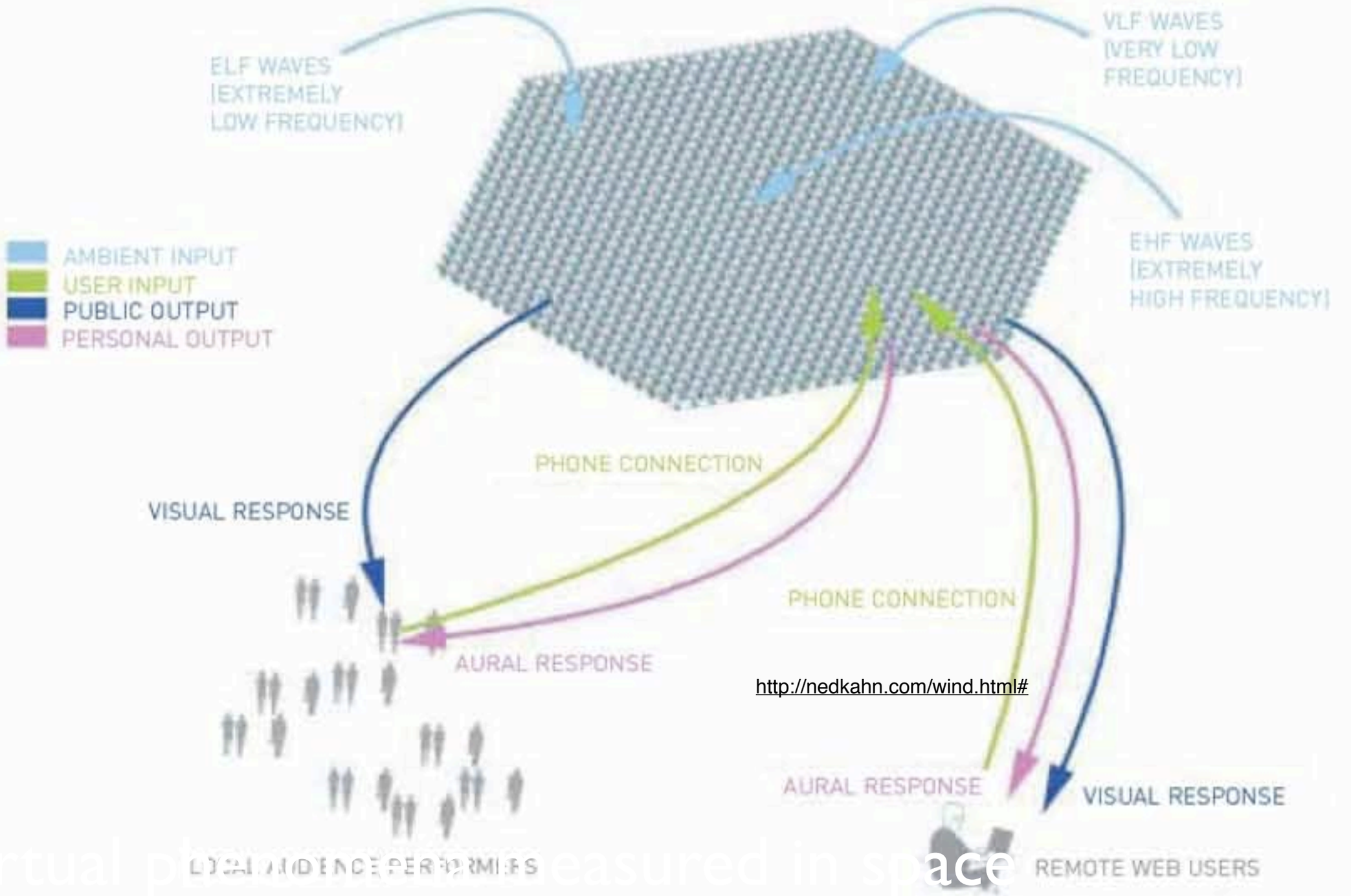
Virtual phenomena measured in space

http://nedkahn.com/wind.html#

Virtual phenomena measured in space

http://nedkahn.com/wind.html#

Virtual phenomena measured in space



http://nedkahn.com/wind.html#

Virtual presence measured in space

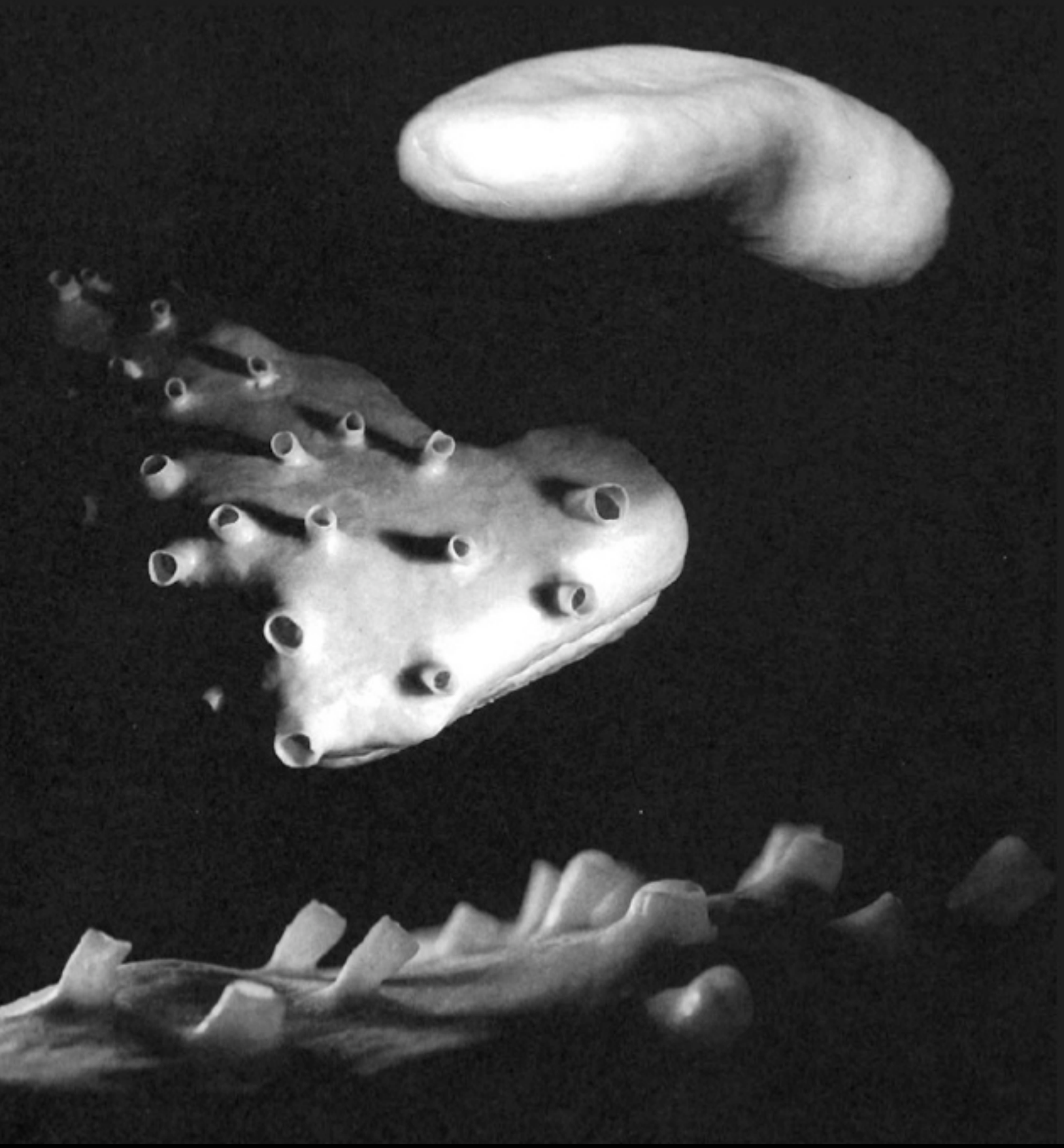
Sky Ear

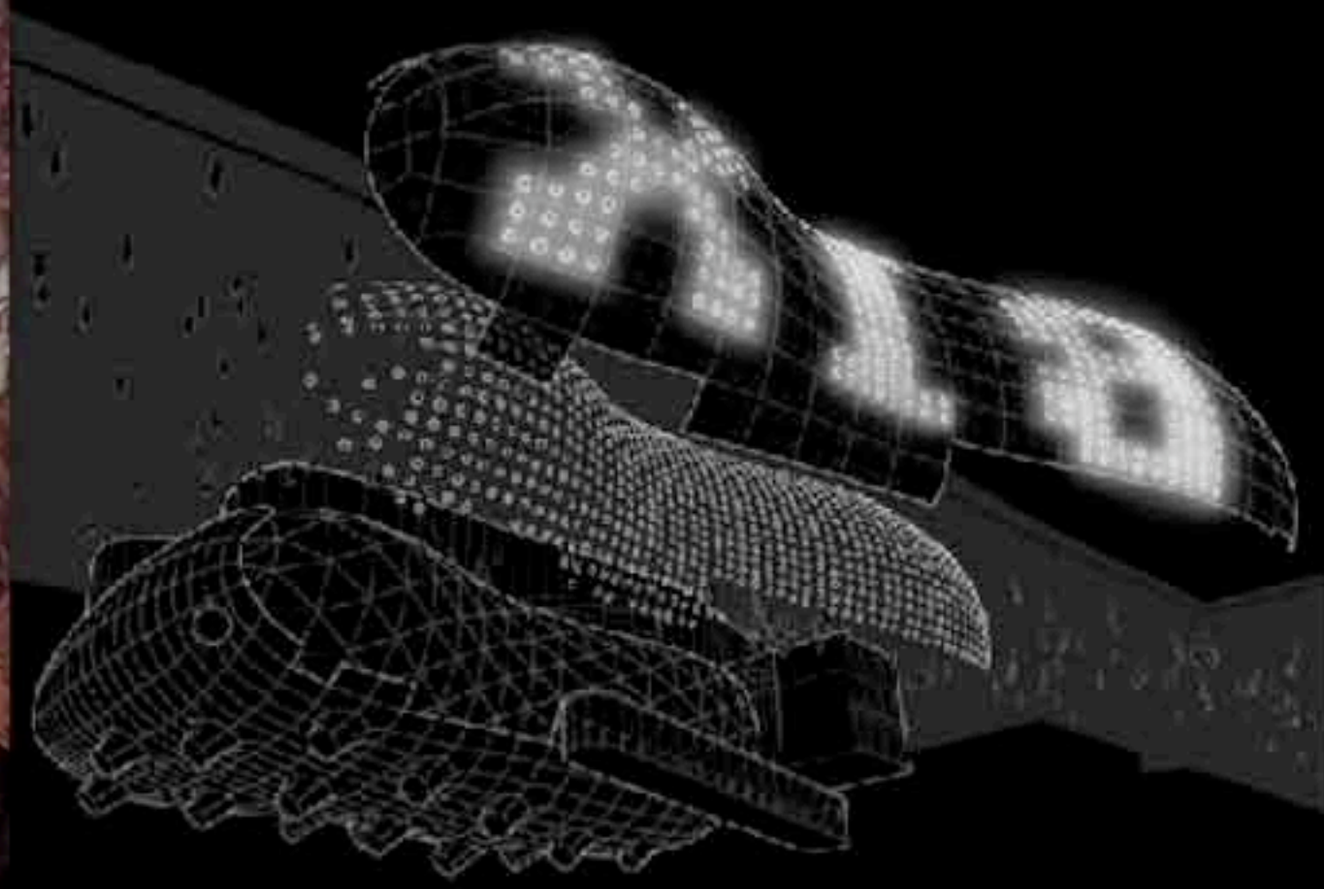
The importance/power of the quasi-object

'Mediators…cannot be counted as just one; they might count for one, for nothing, for several, or for infinity… Their input is never a good predictor of their output; thei specificity has to be taken into account every time… mediators transform, translate, distort, and modify the meaning or the elements they are supposed to carry' (Latour 2005: 39)

'In a world where message systems dominate, those who set them in motion are also in a position to switch them off. We only realize how important they are when they stop.'
(Serres 1993: 106)


GOLLUM





We cannot be conscious without being conscious of something. Consciousness constructs a relation between the self and the world. Cresswell S.22

Mediating relations, interactive art movement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Tegnesalen Gammeltorv
Åbning: 3/4 kl. 1900
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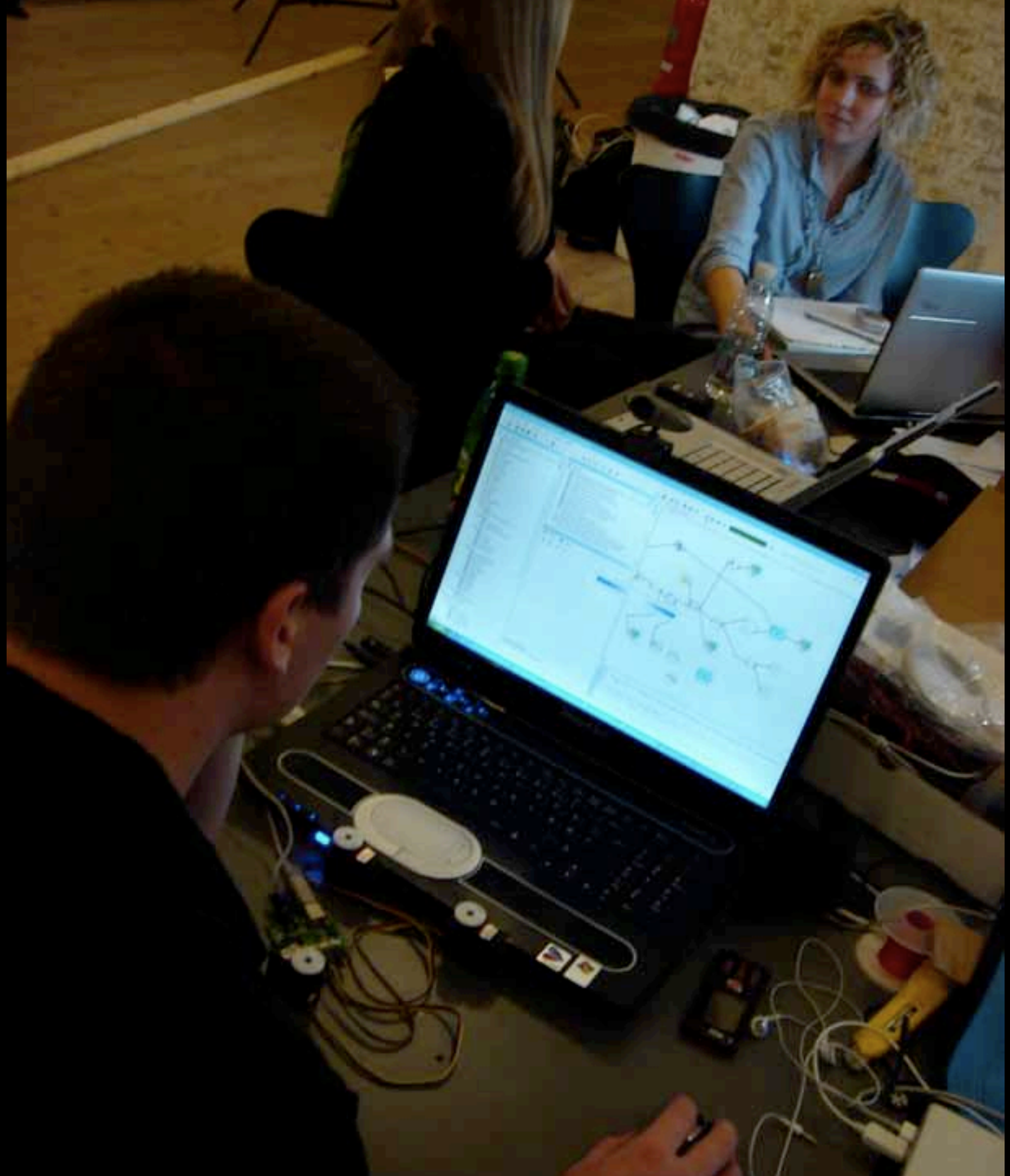
SITUATION P
SLOTTET I HORSENS
SLOTTET
www.slottetihorsens.dk



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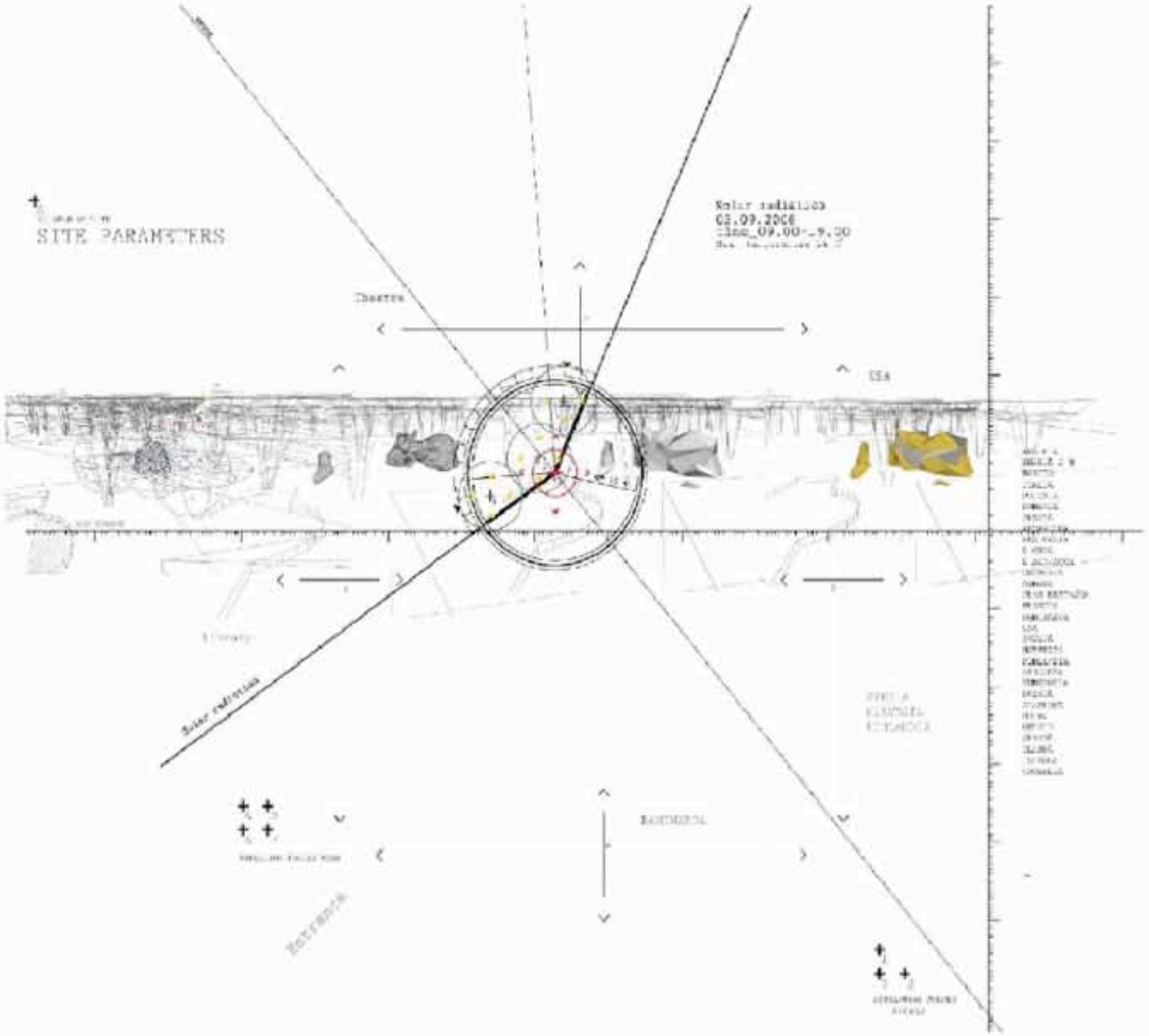

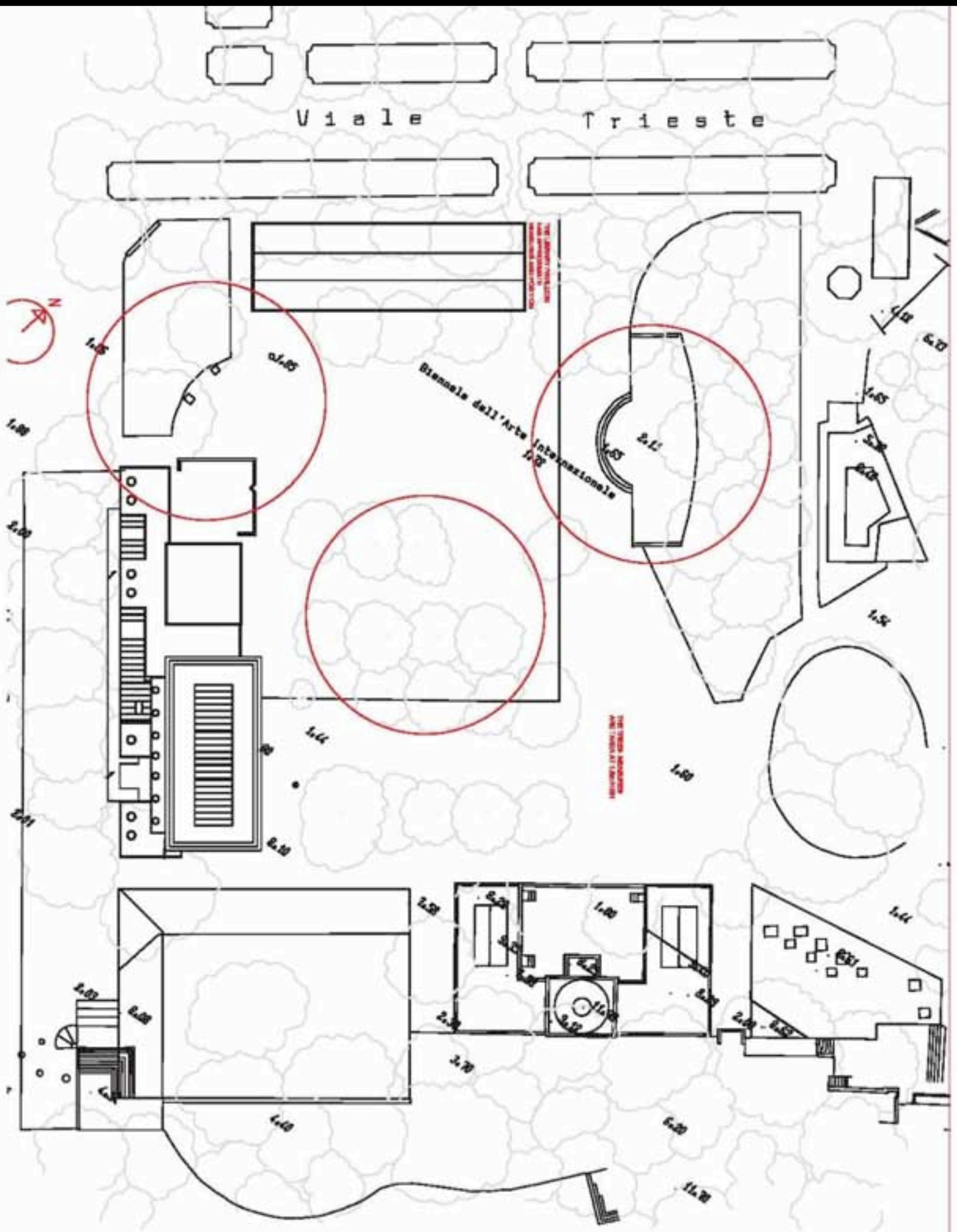
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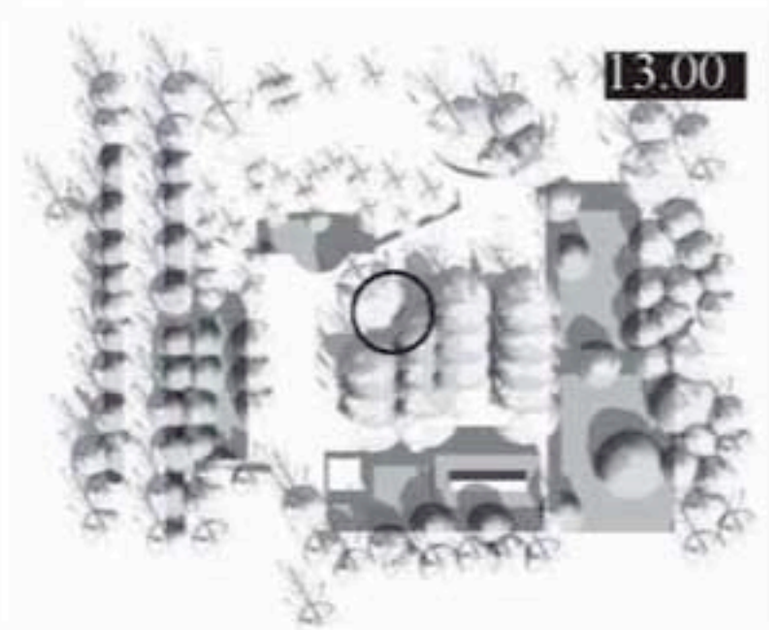
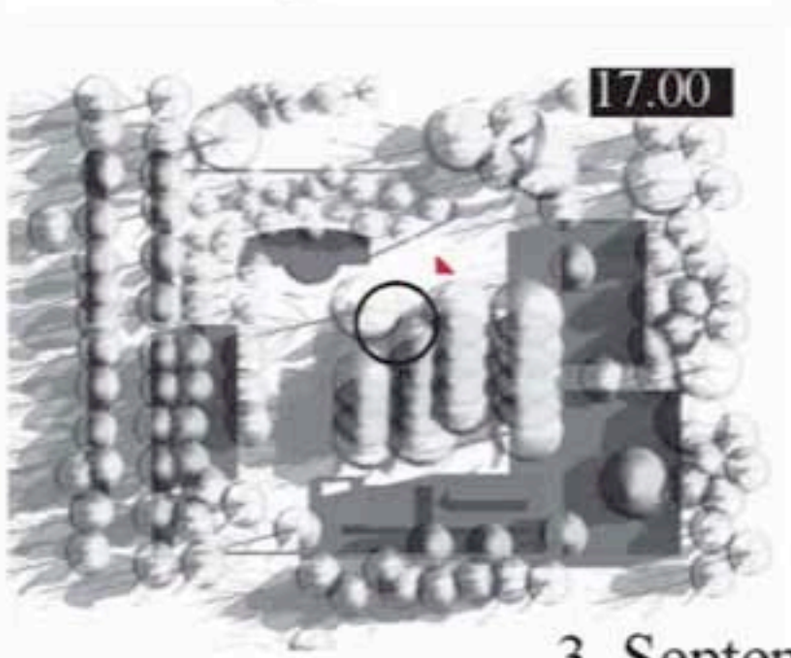
Biennale dell'Arte internazionale





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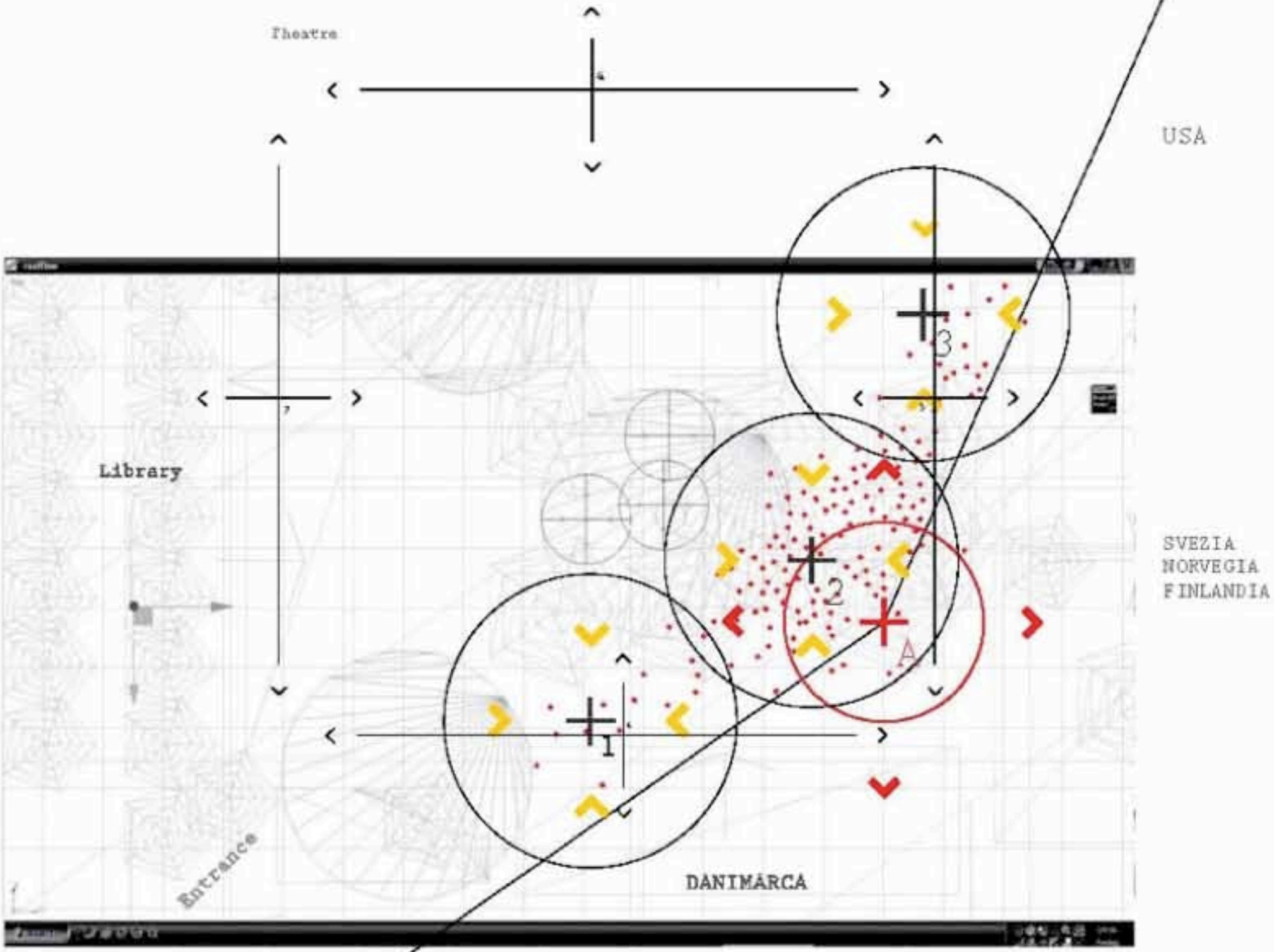
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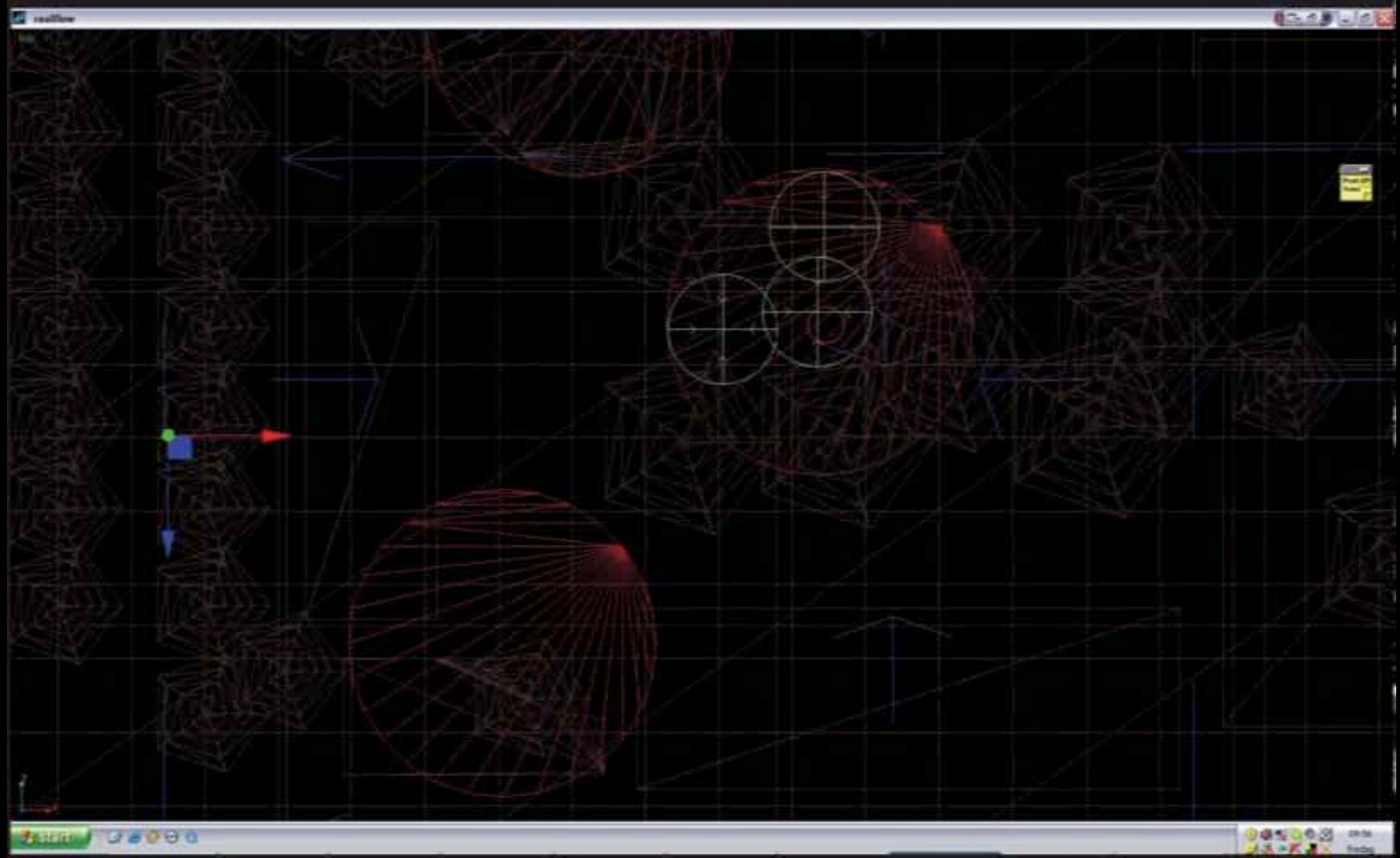

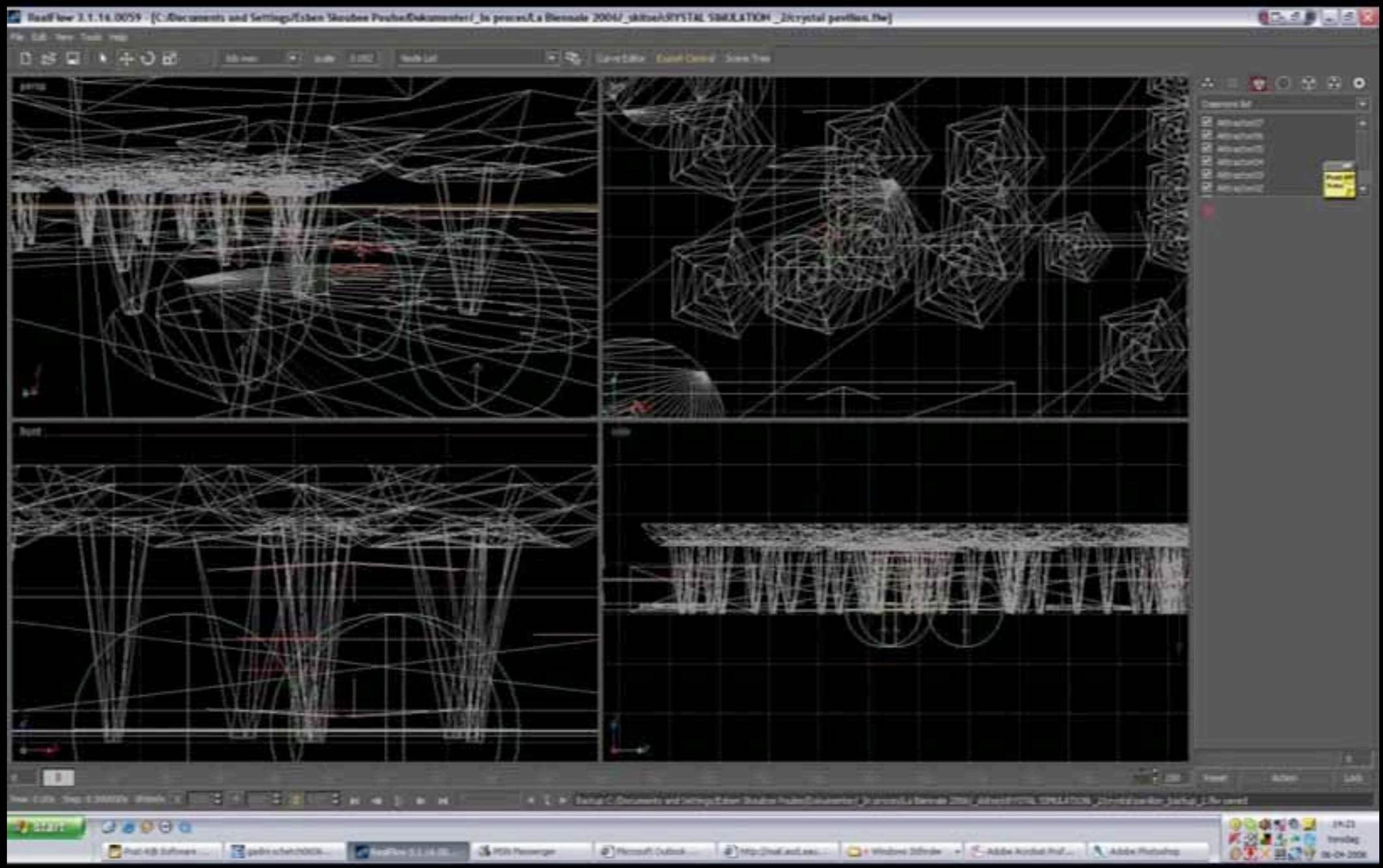

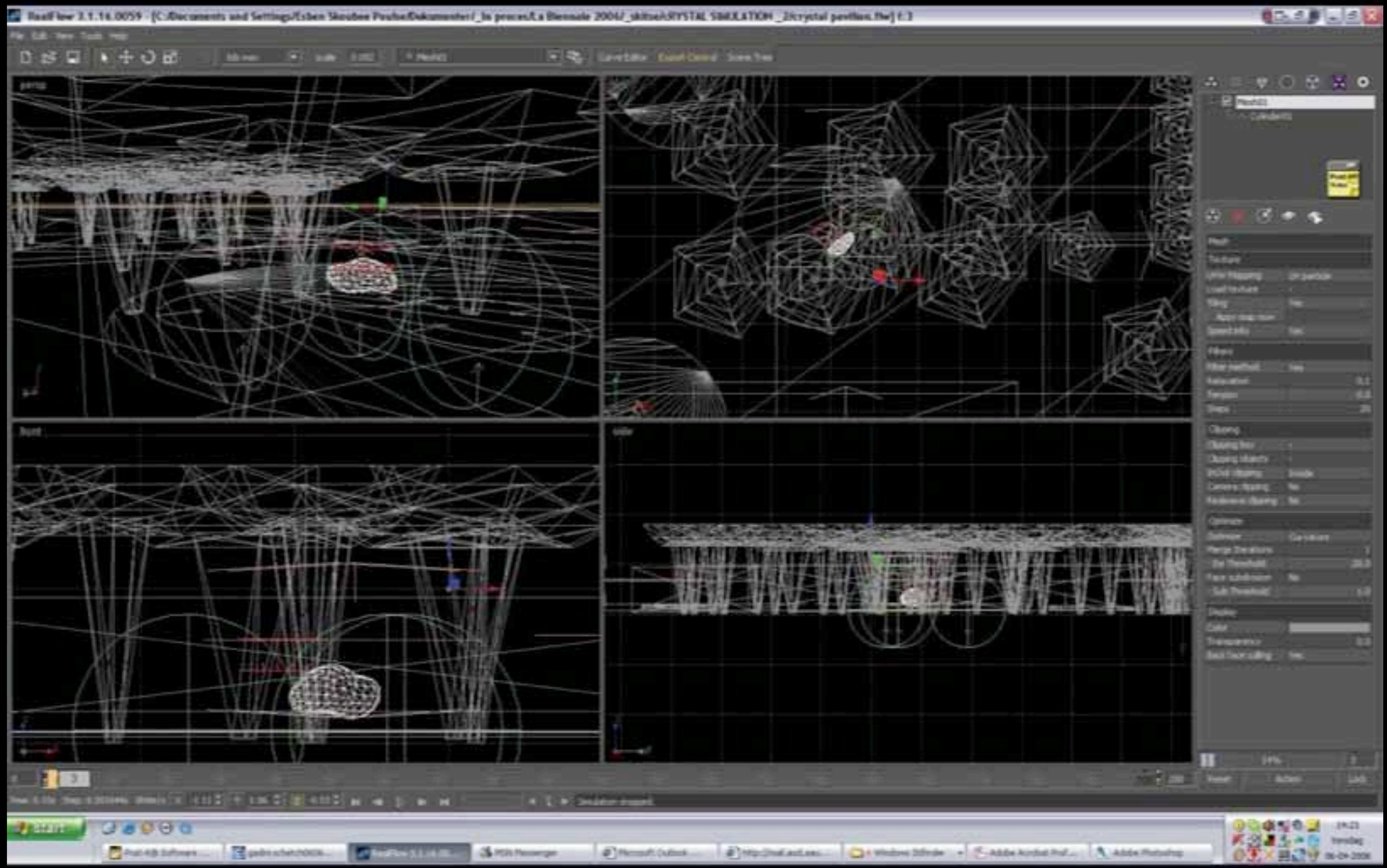

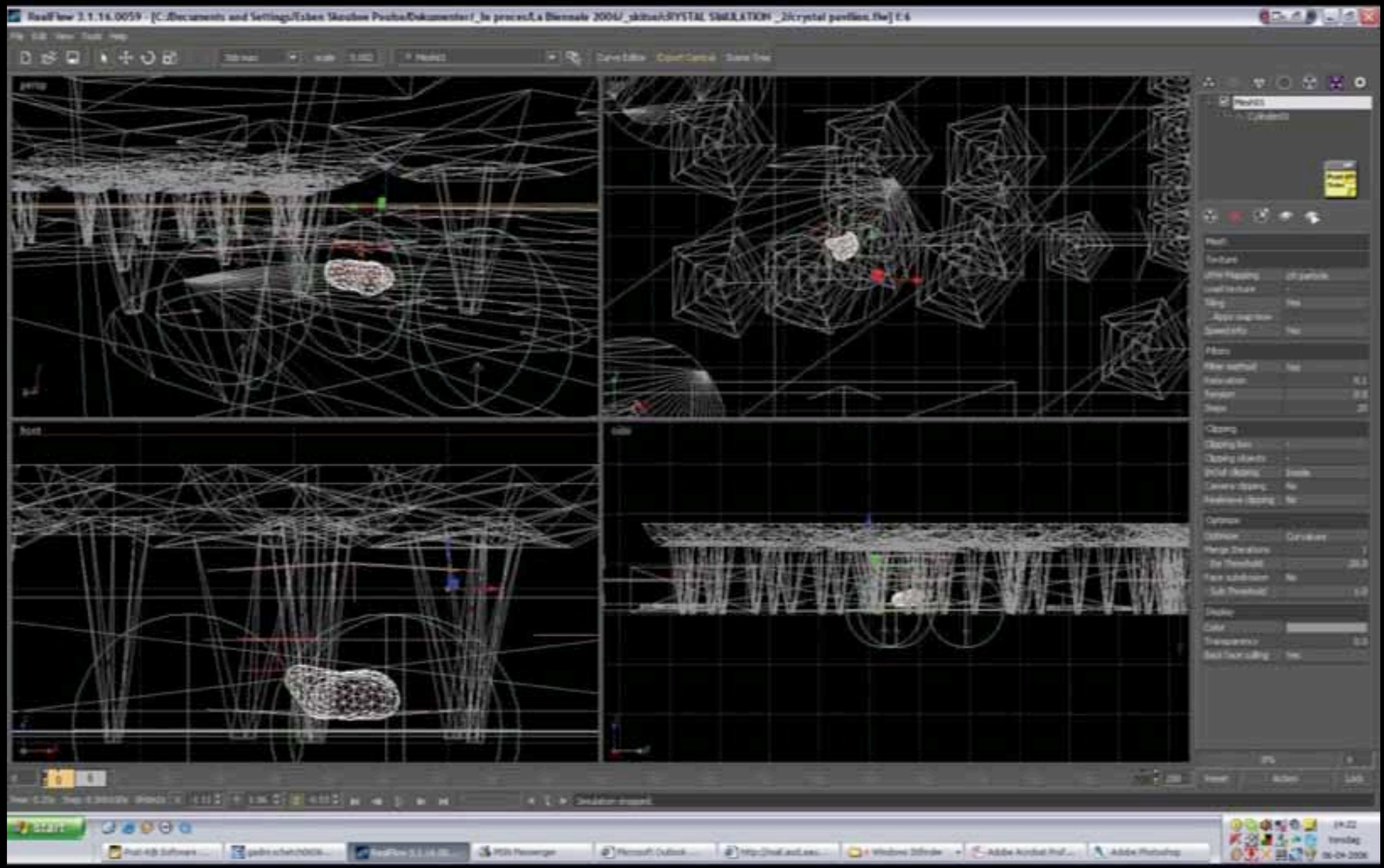

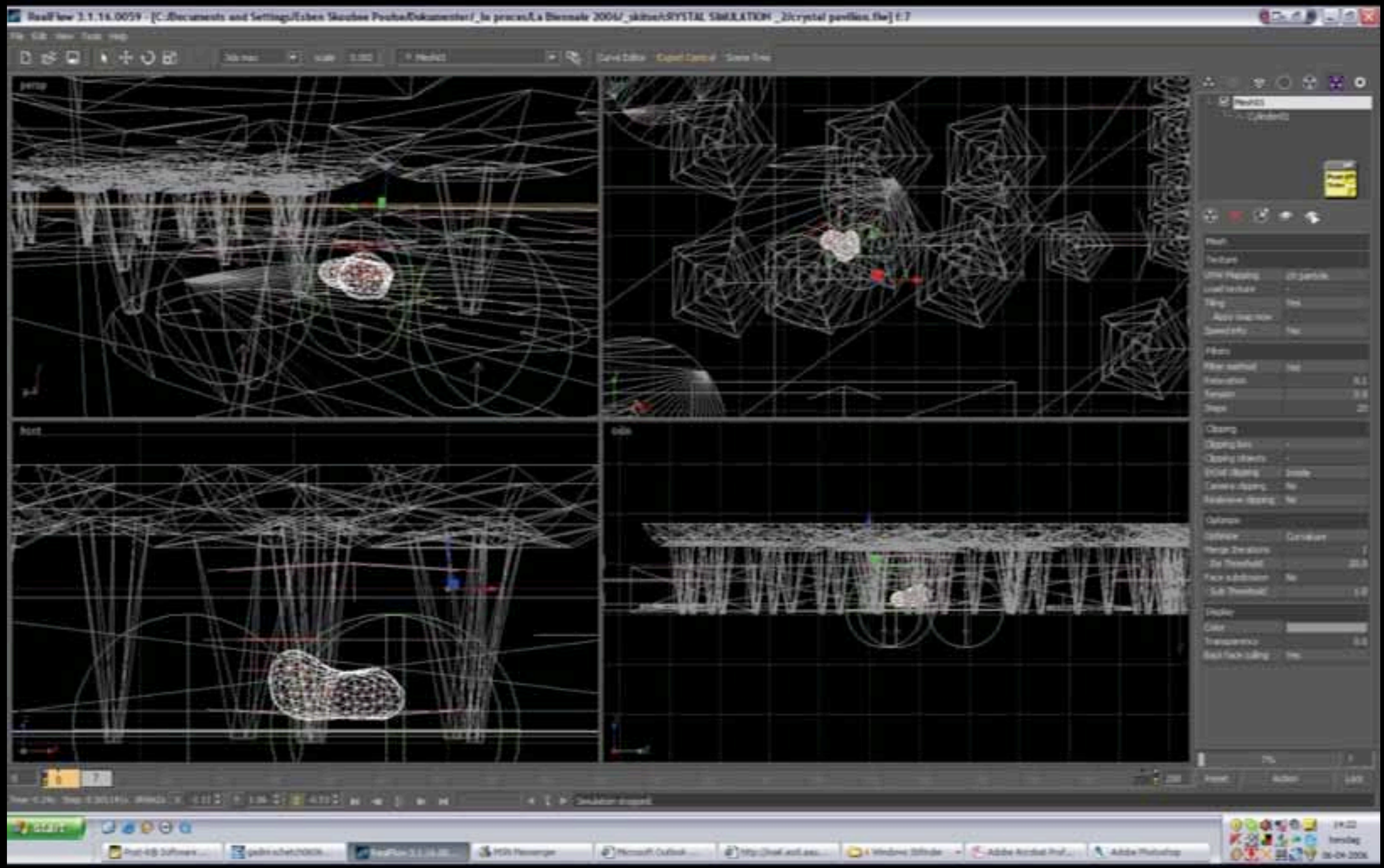

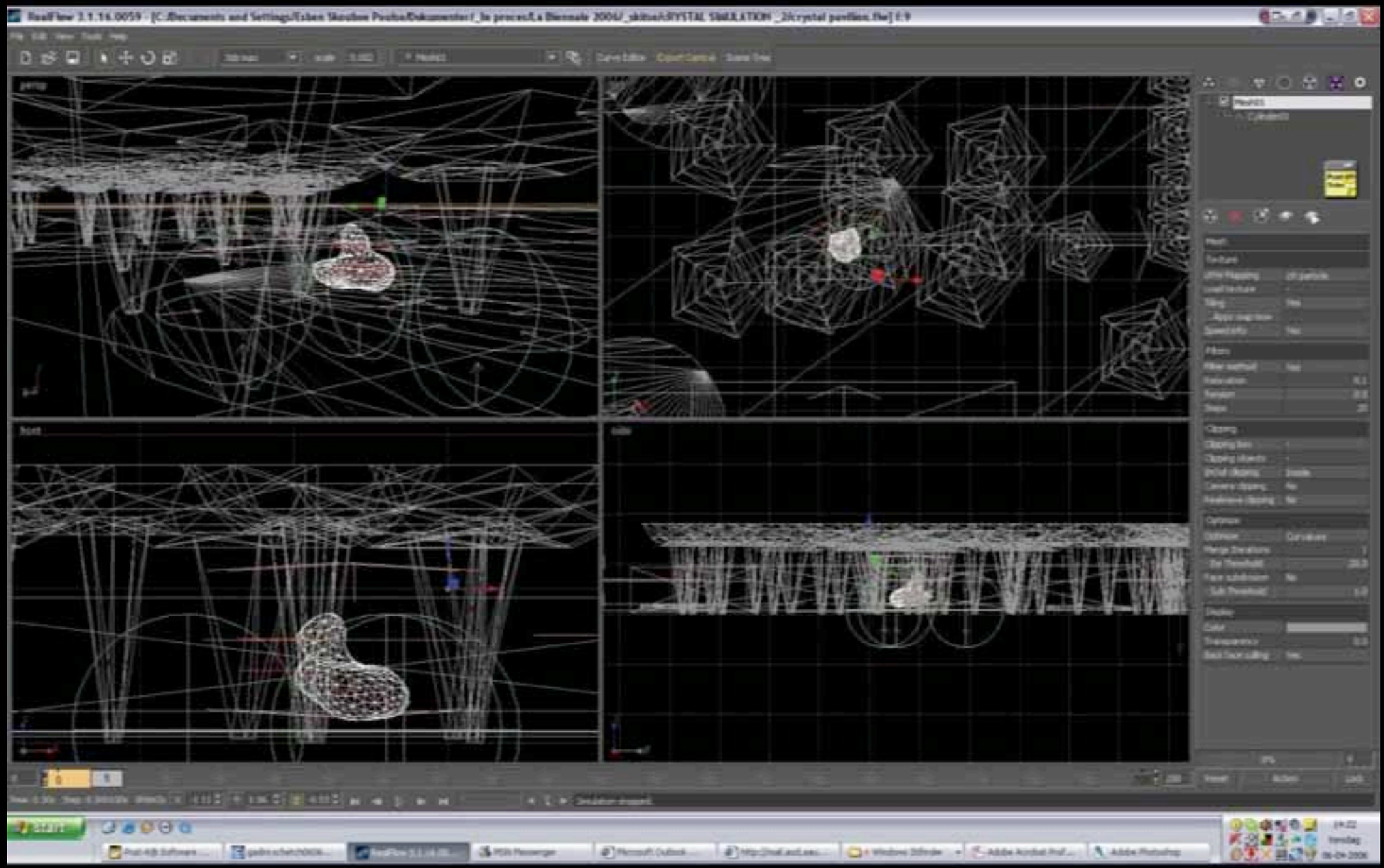

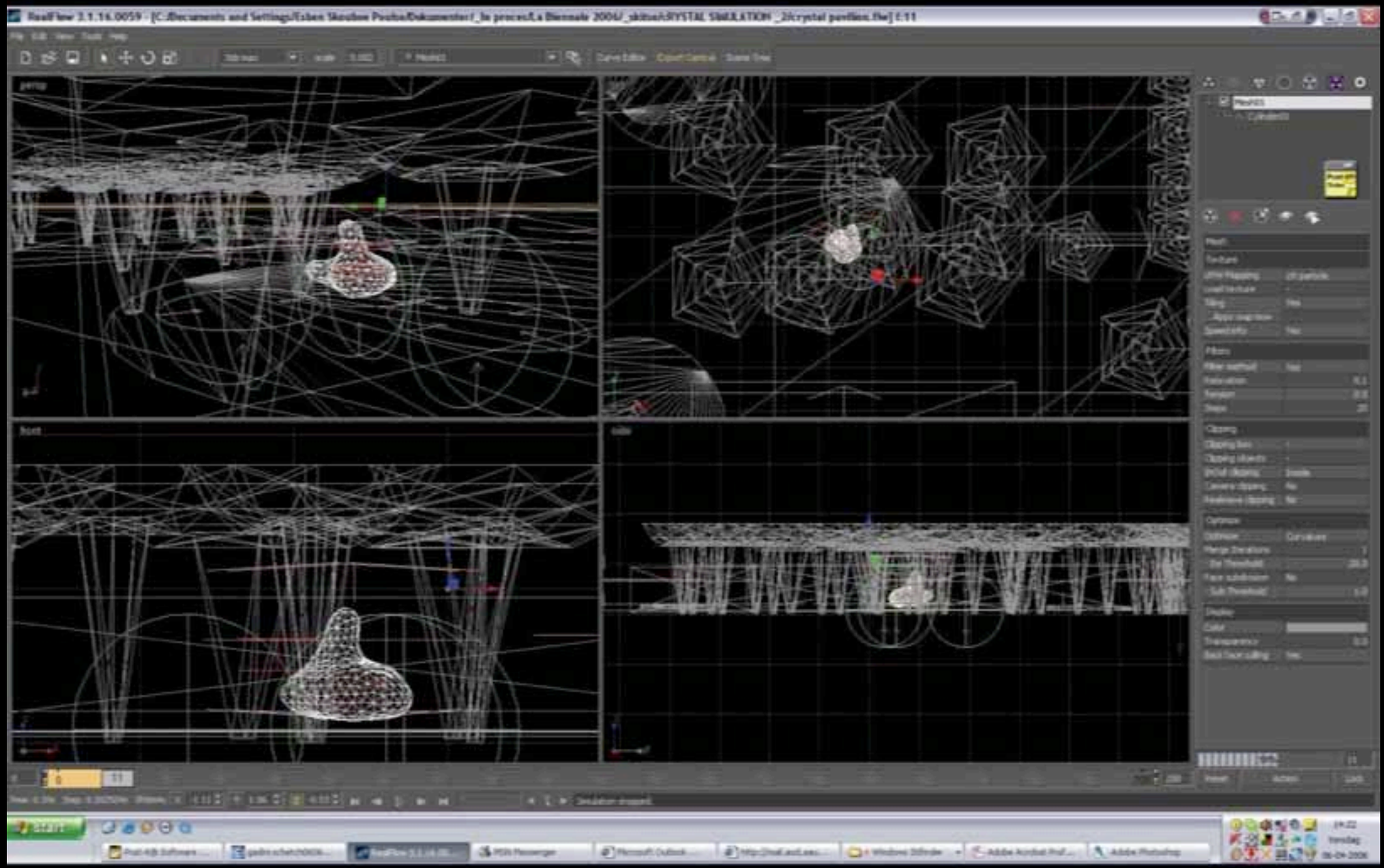

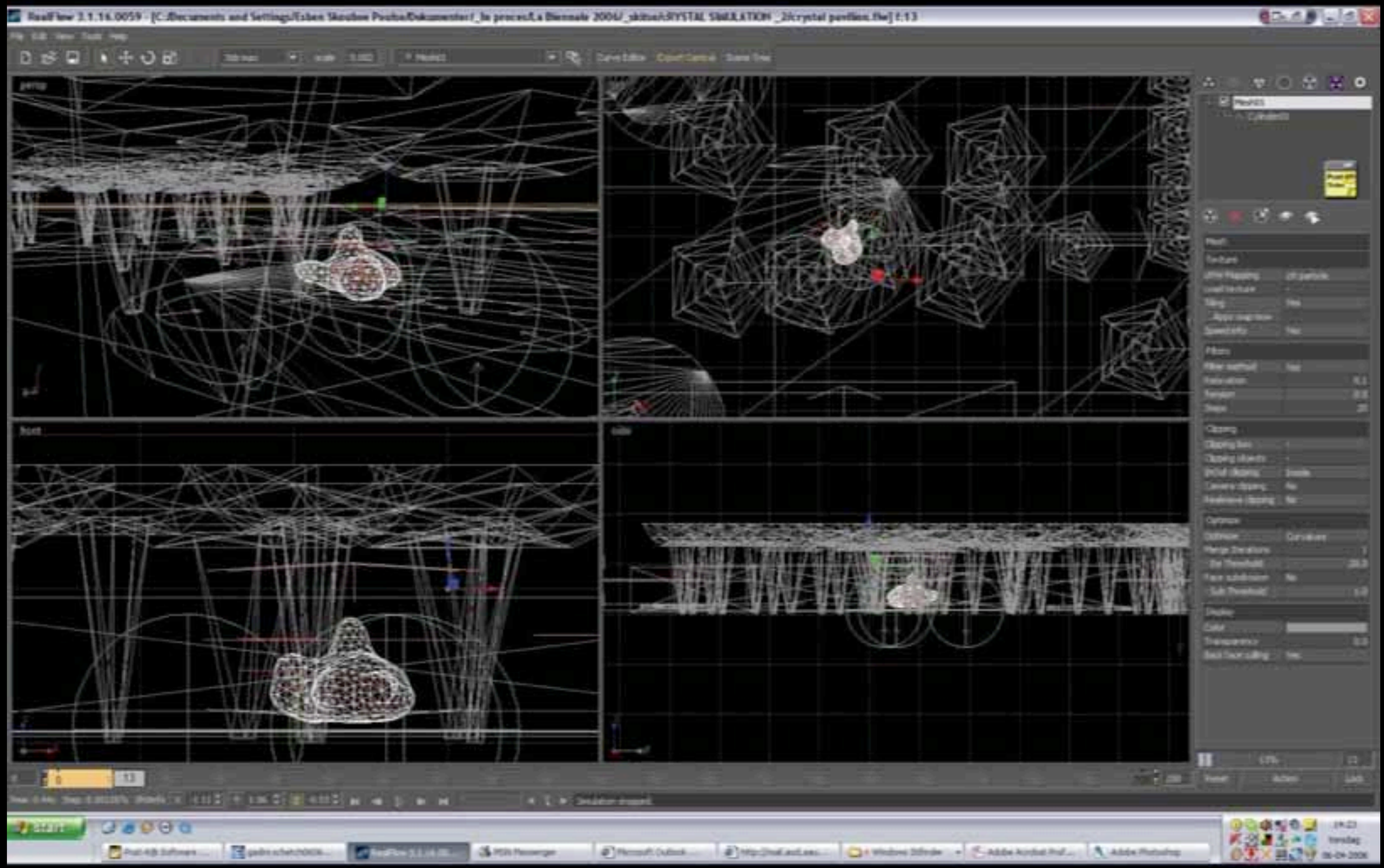

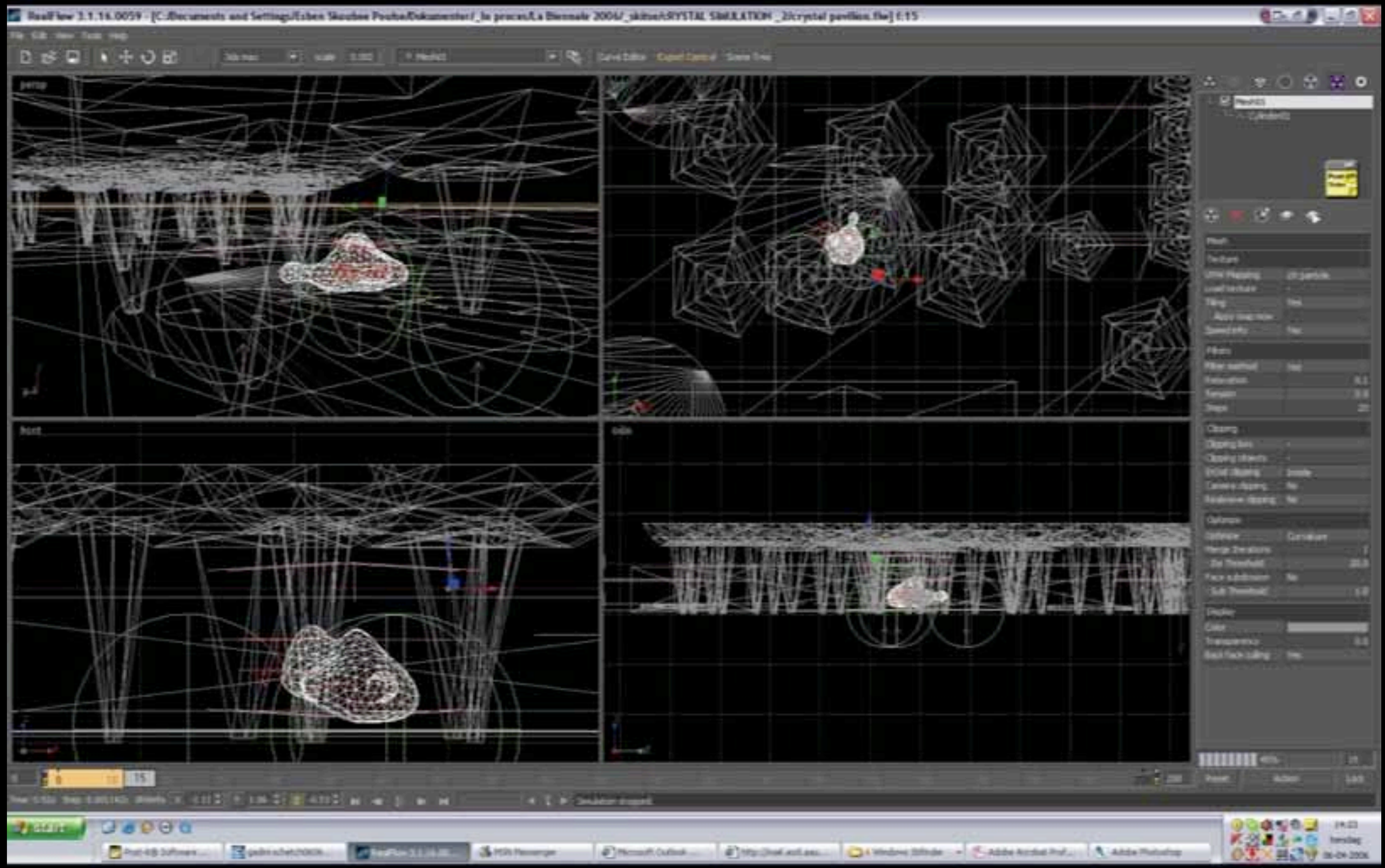

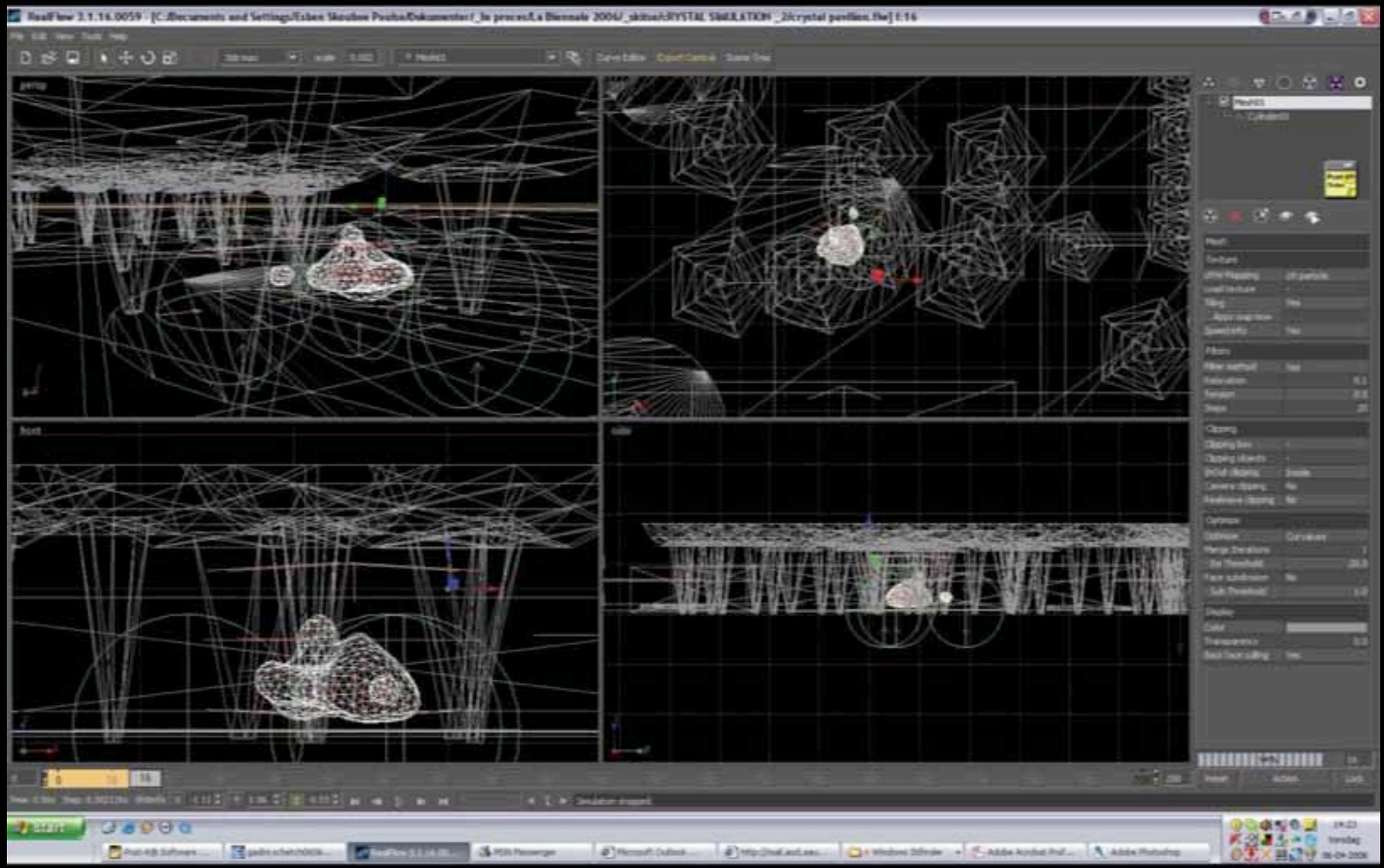

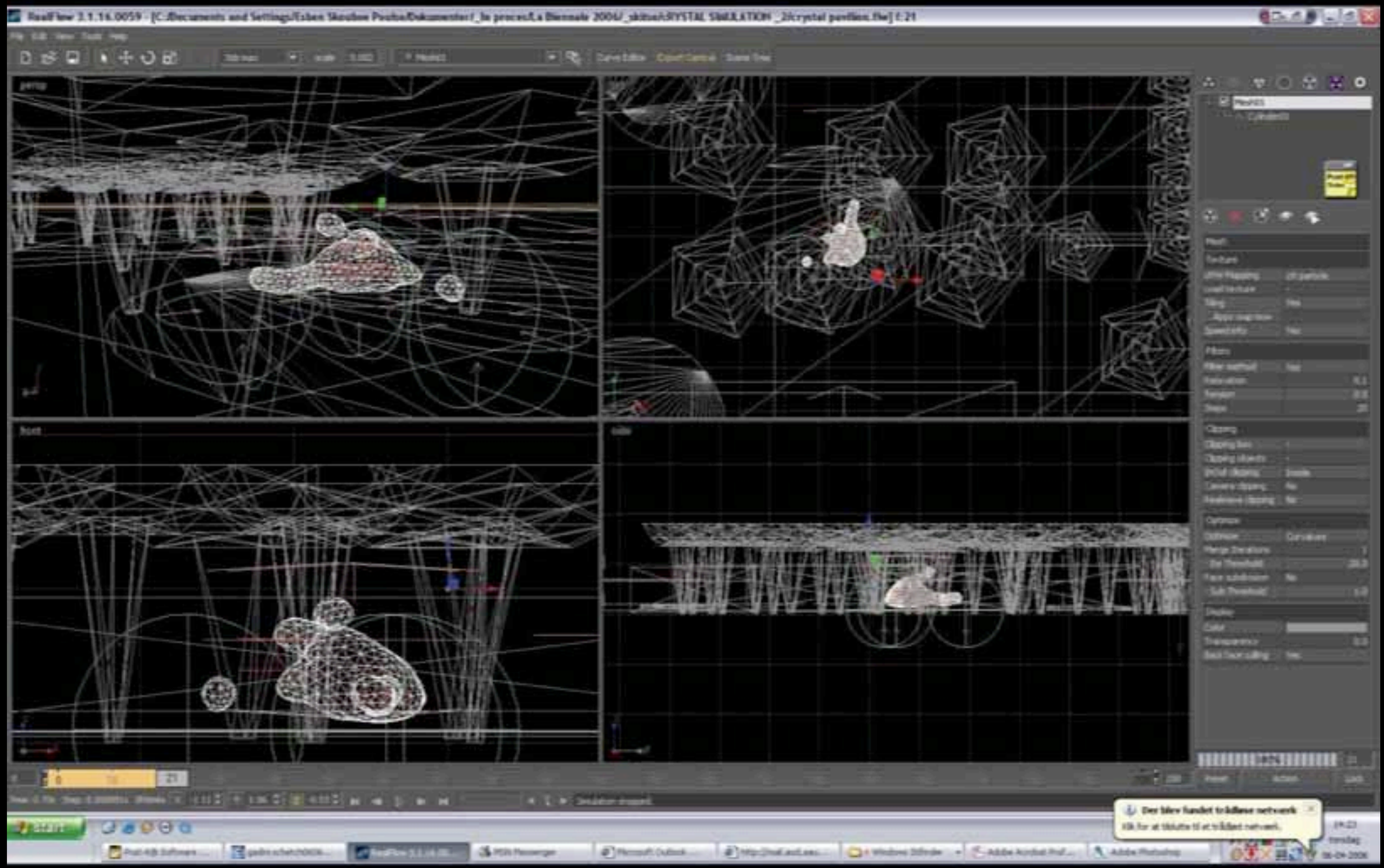

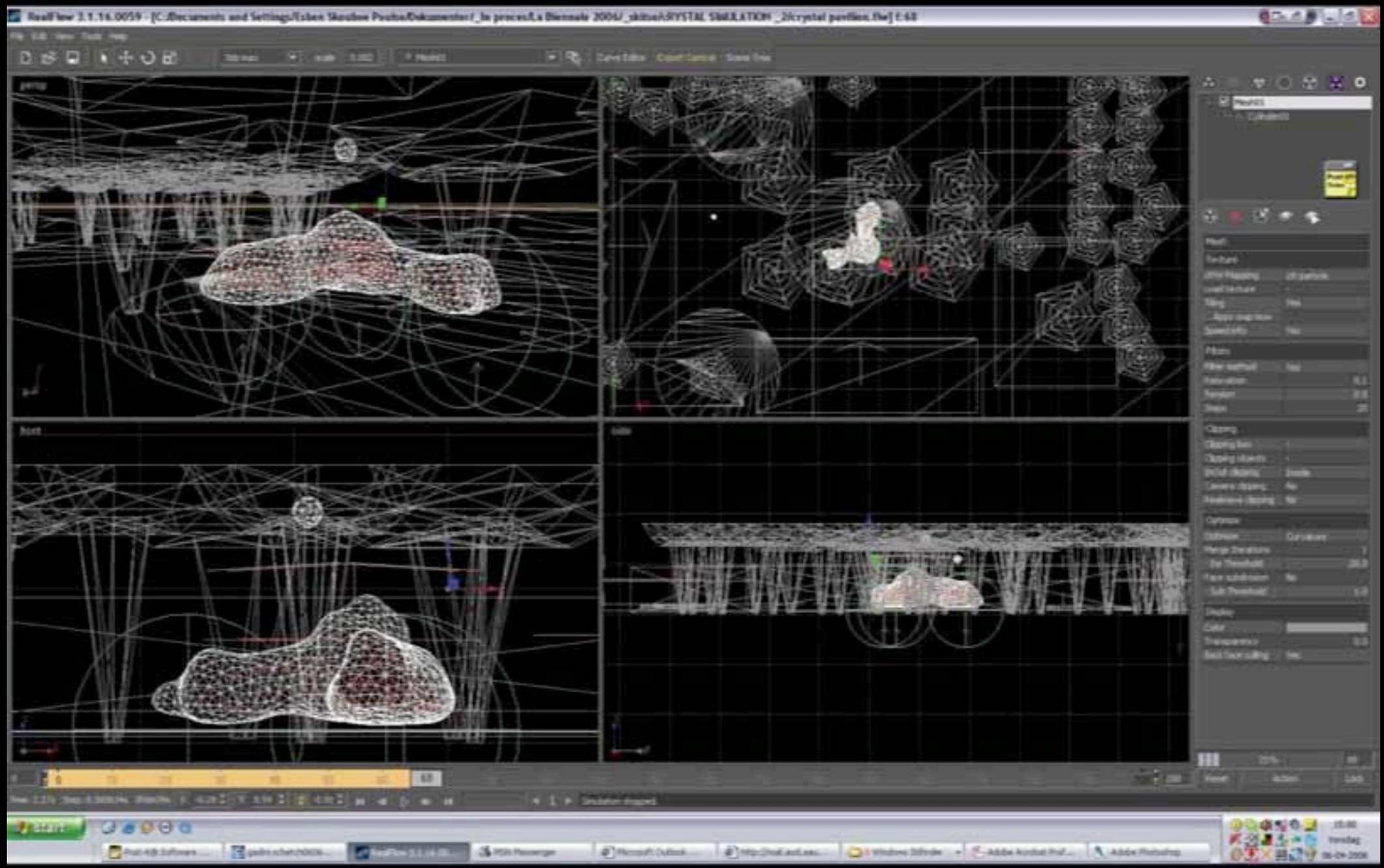

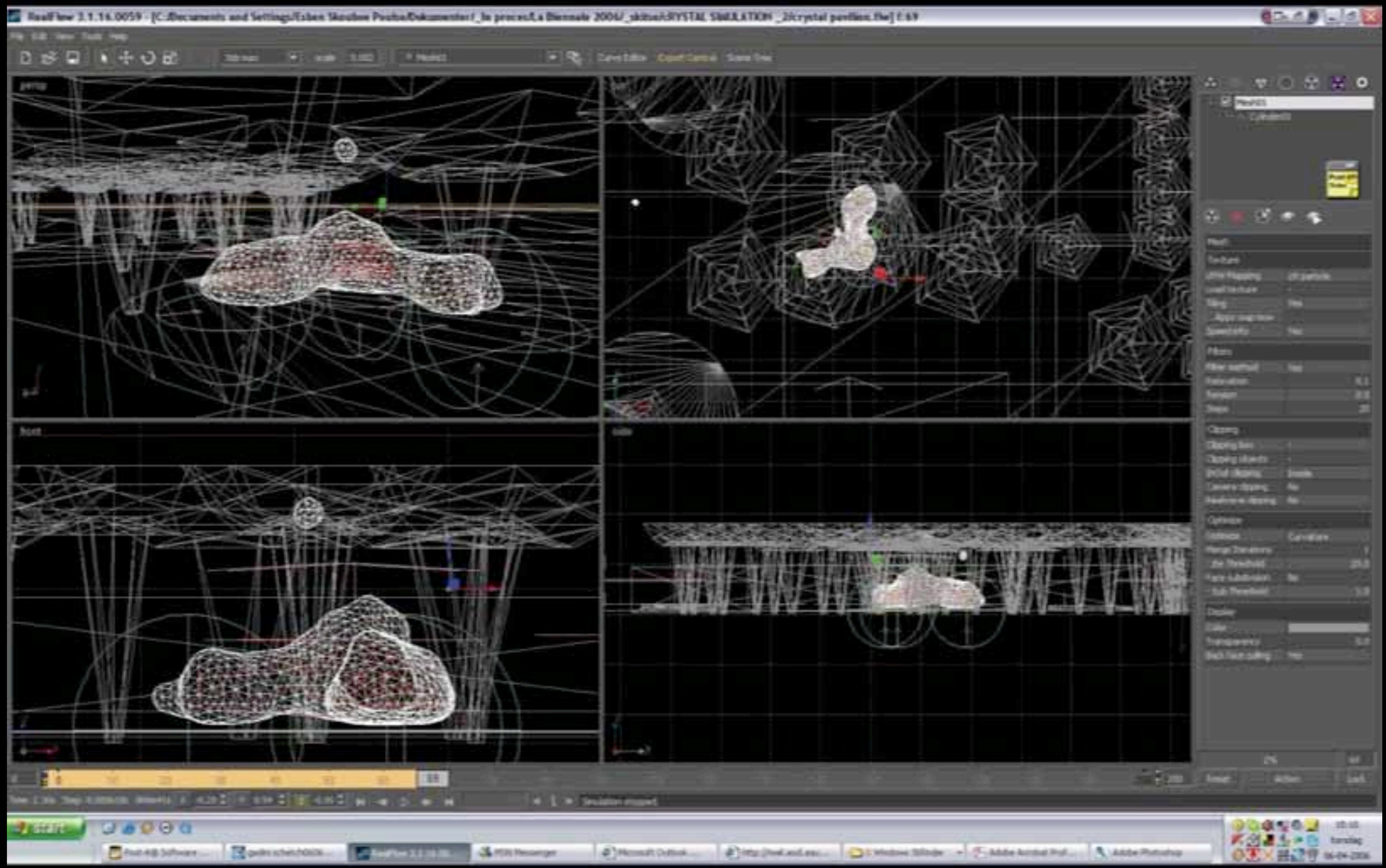

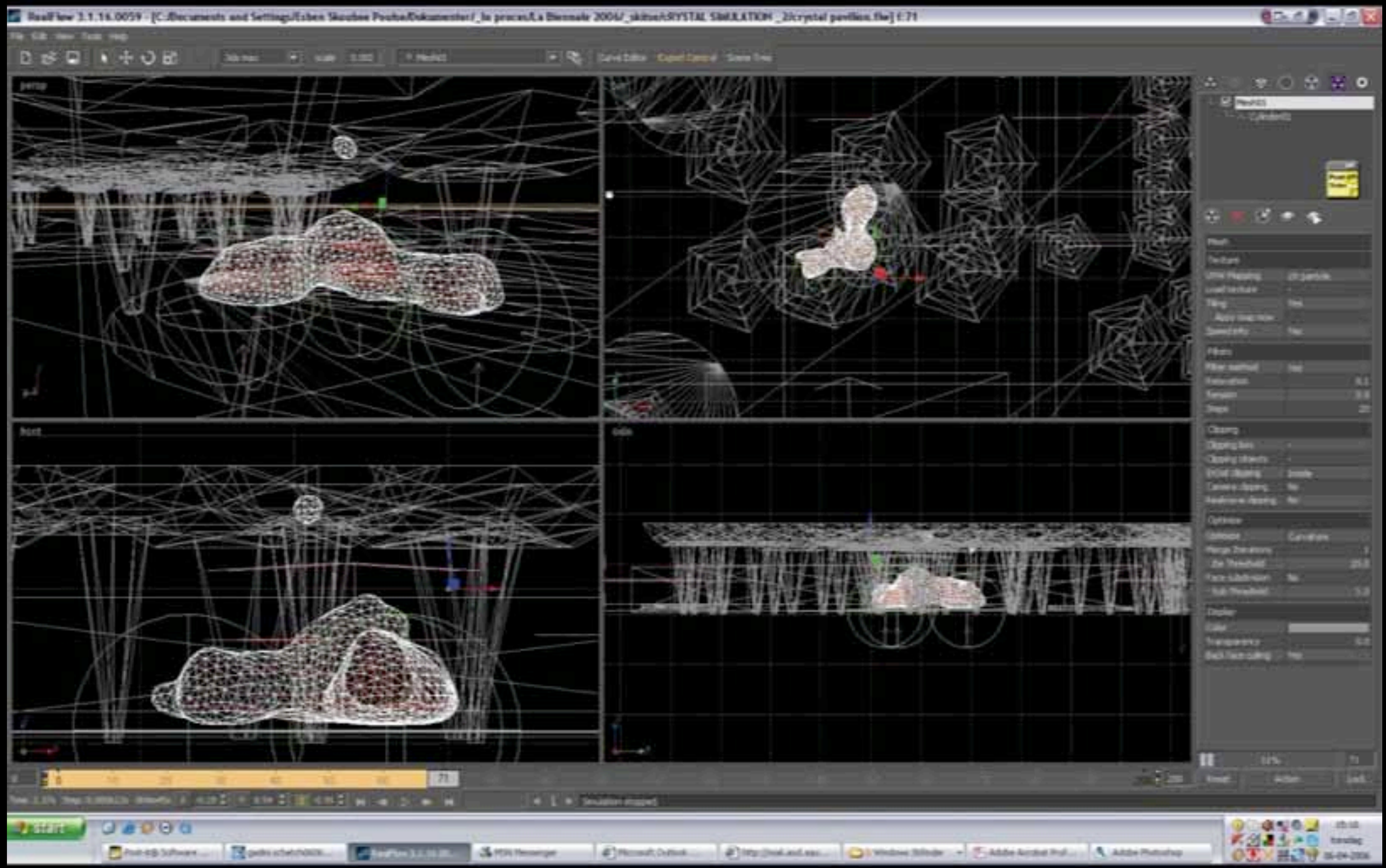

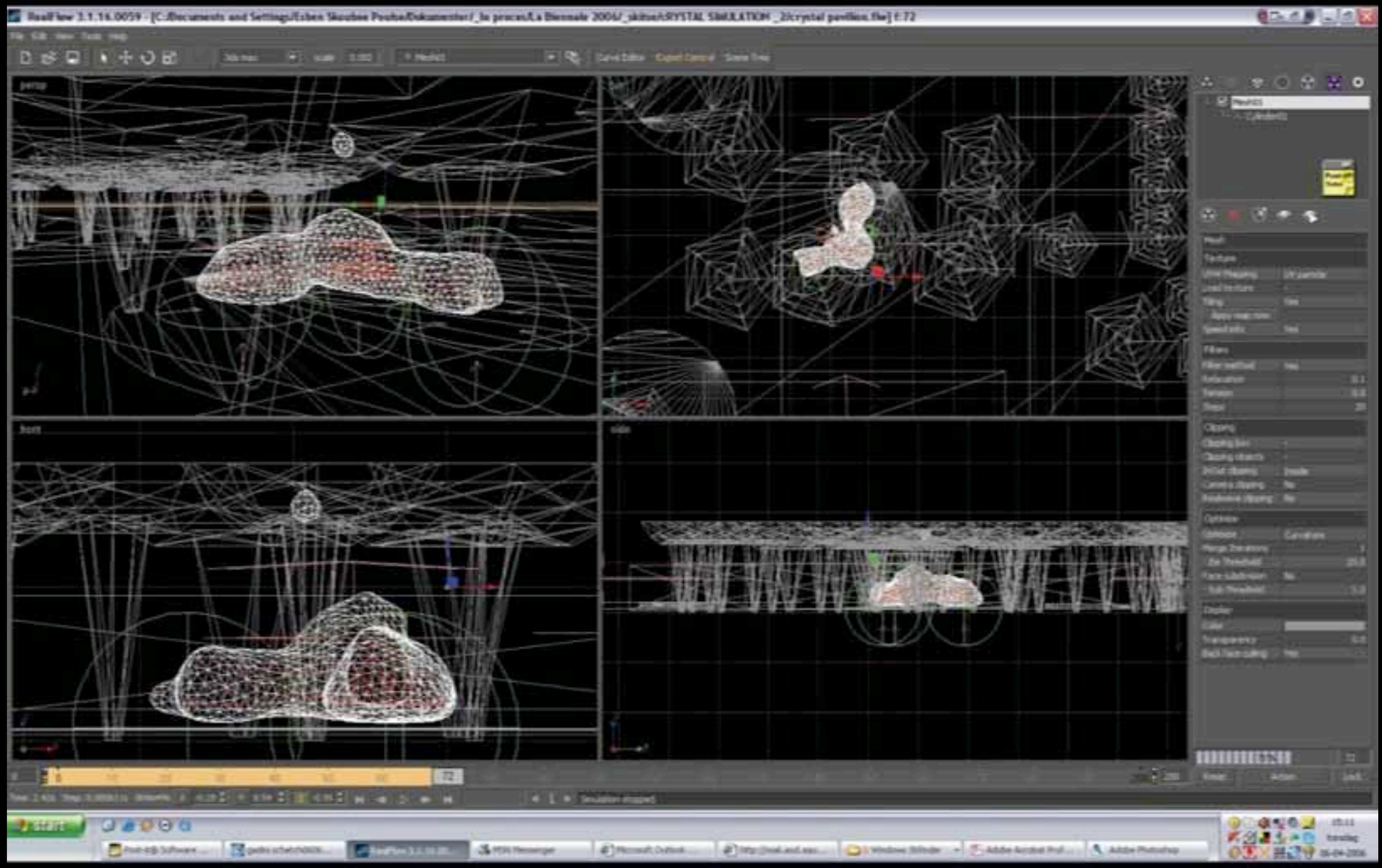

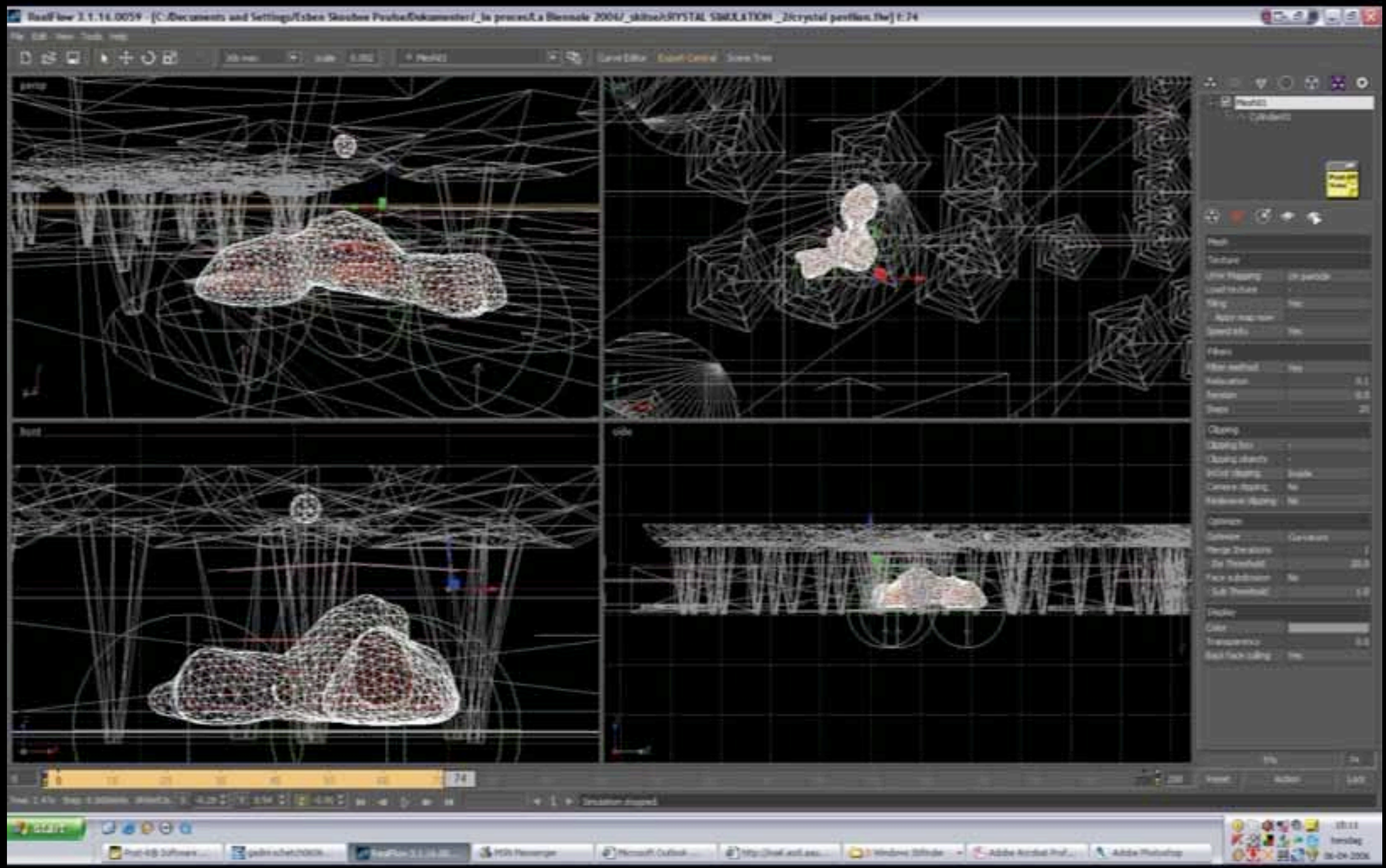

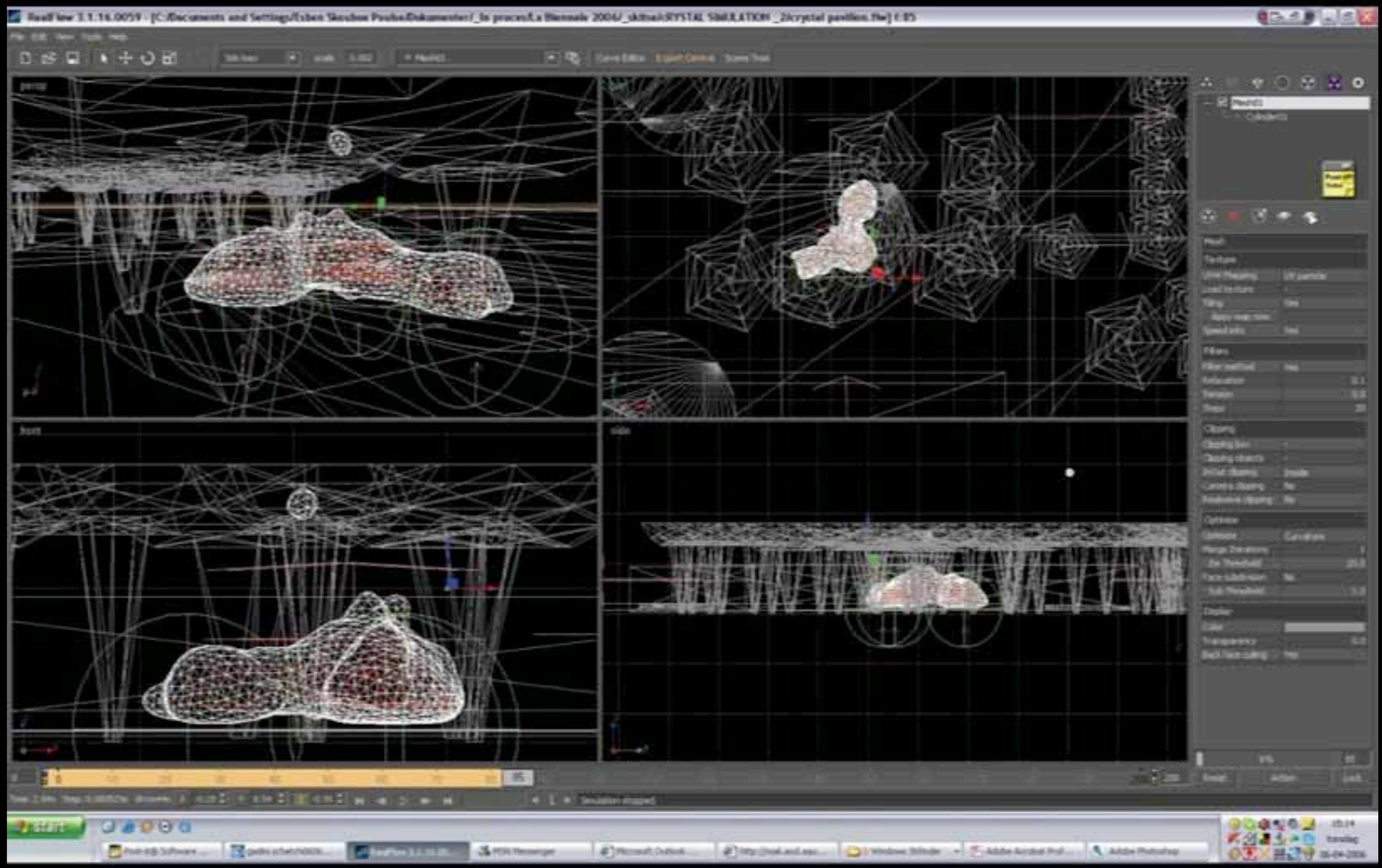

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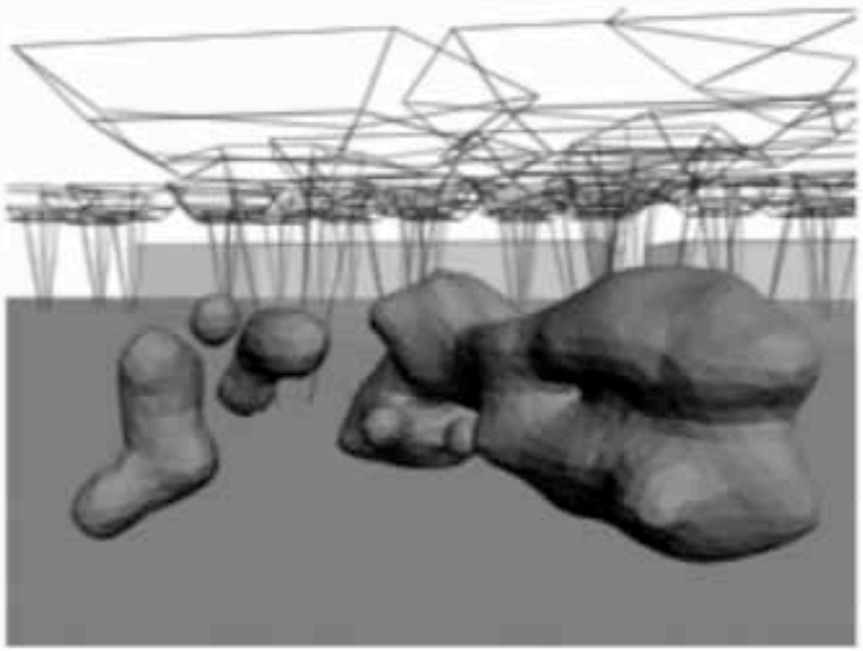
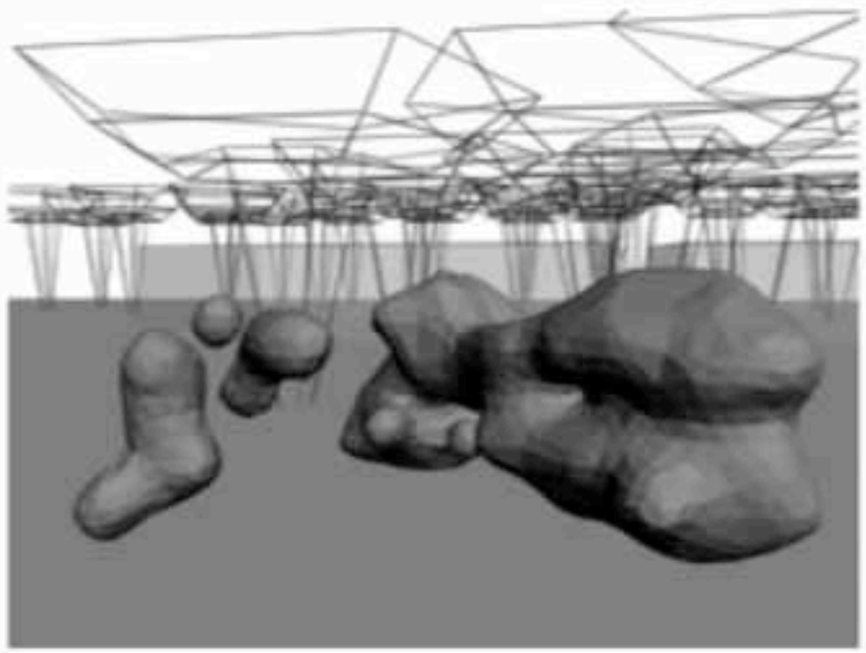
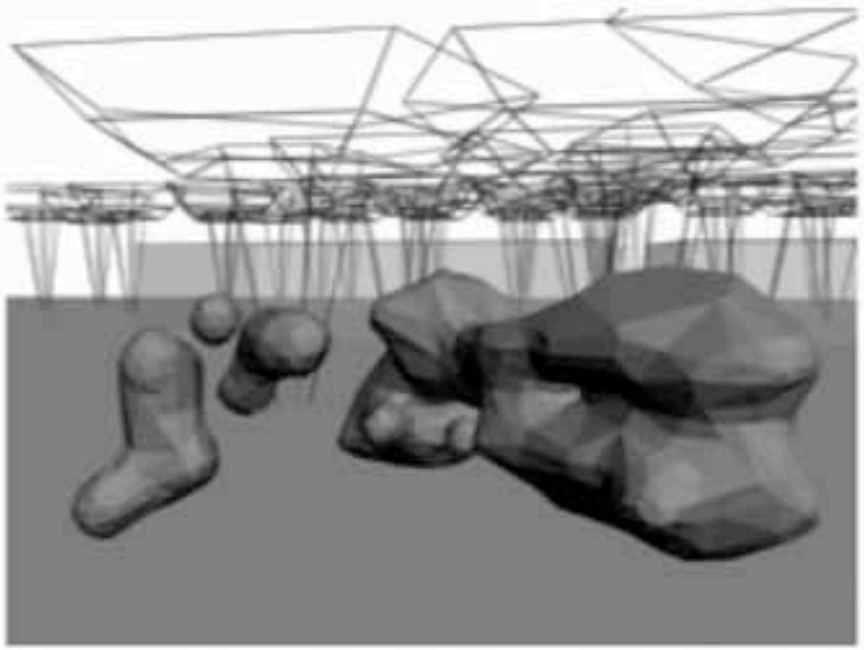
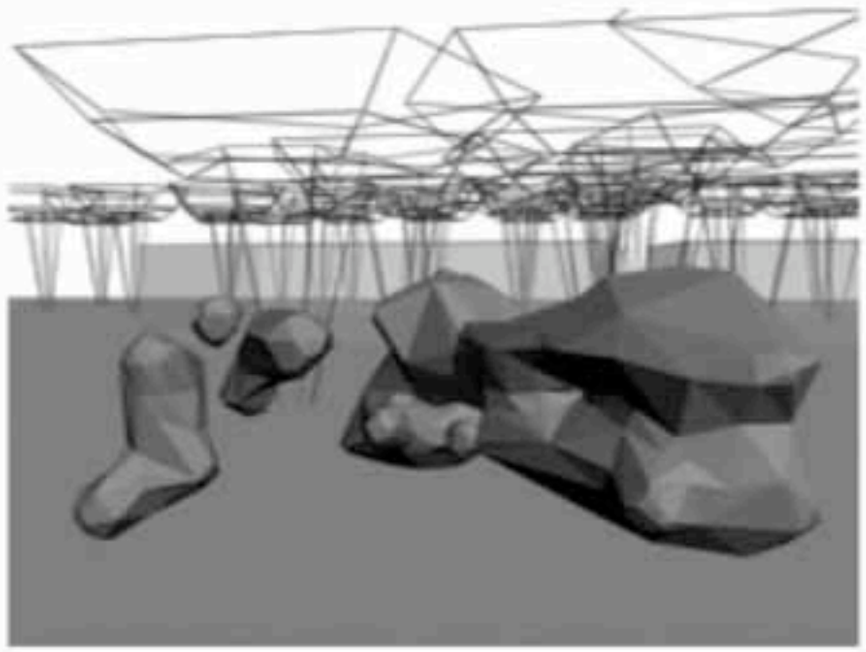
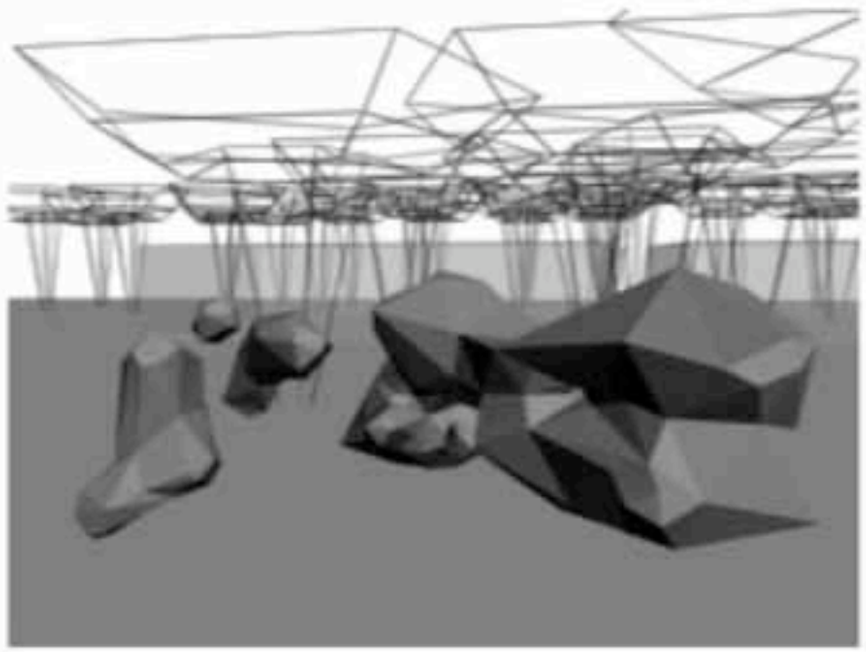
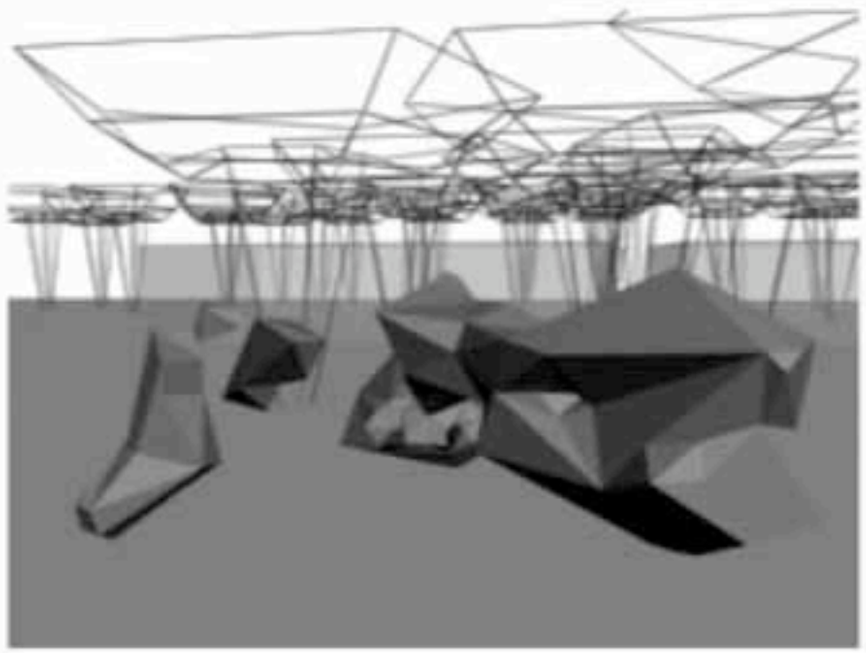


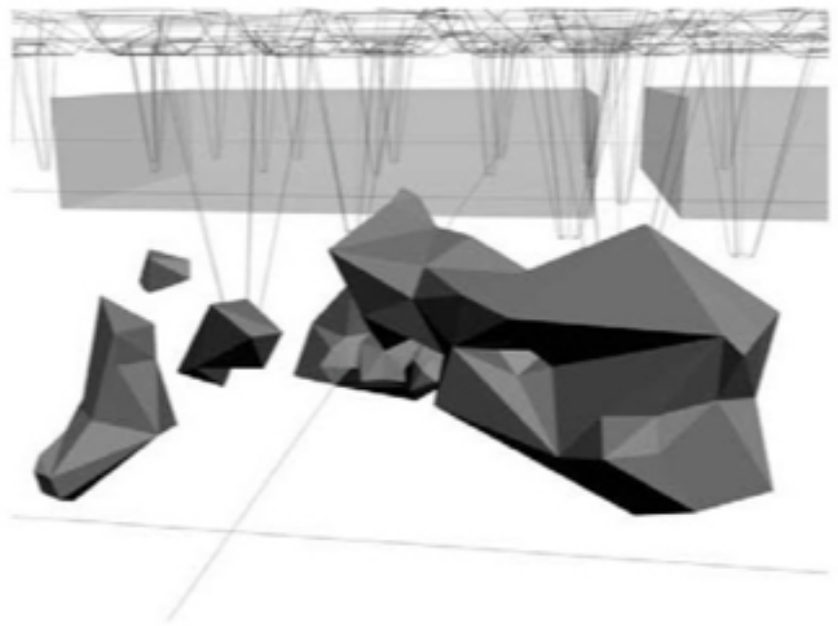


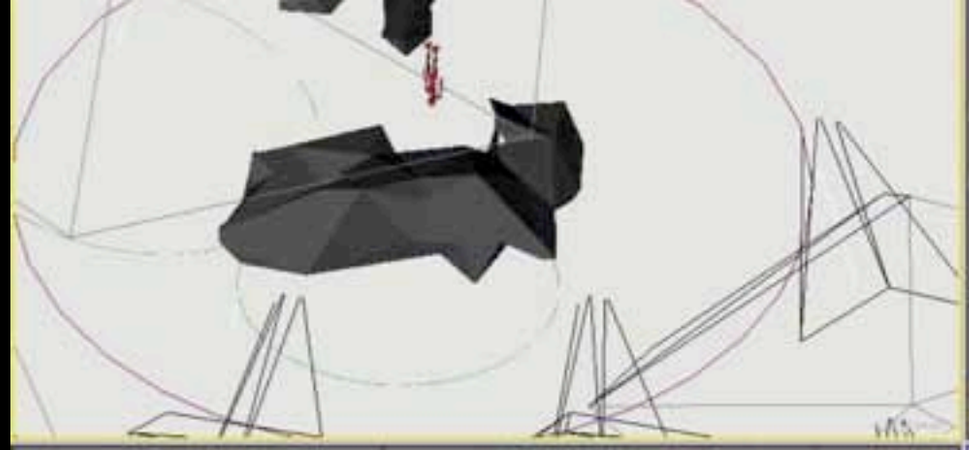


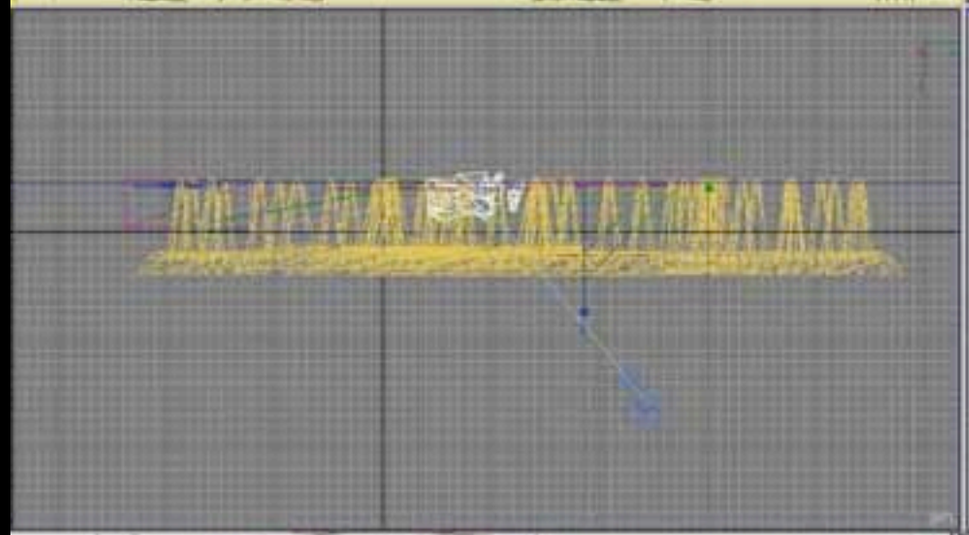
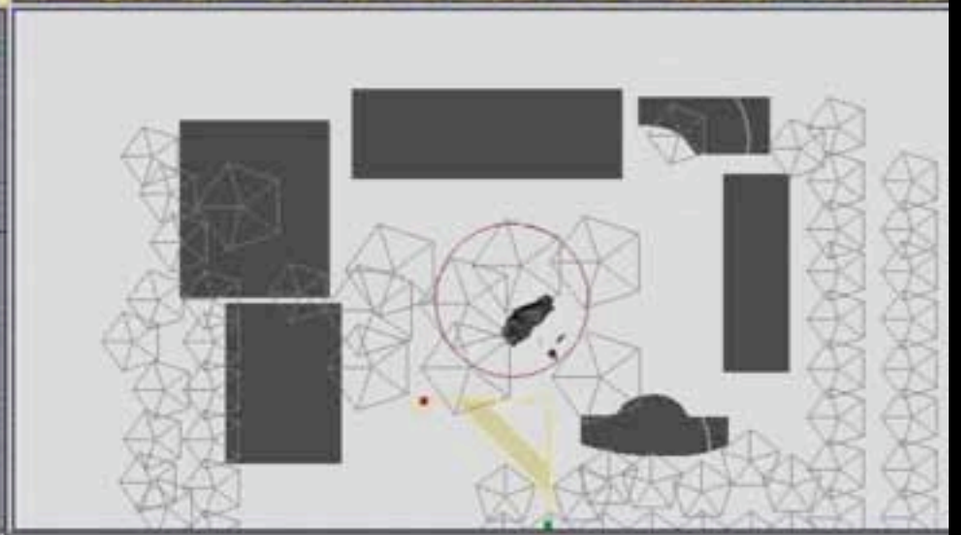
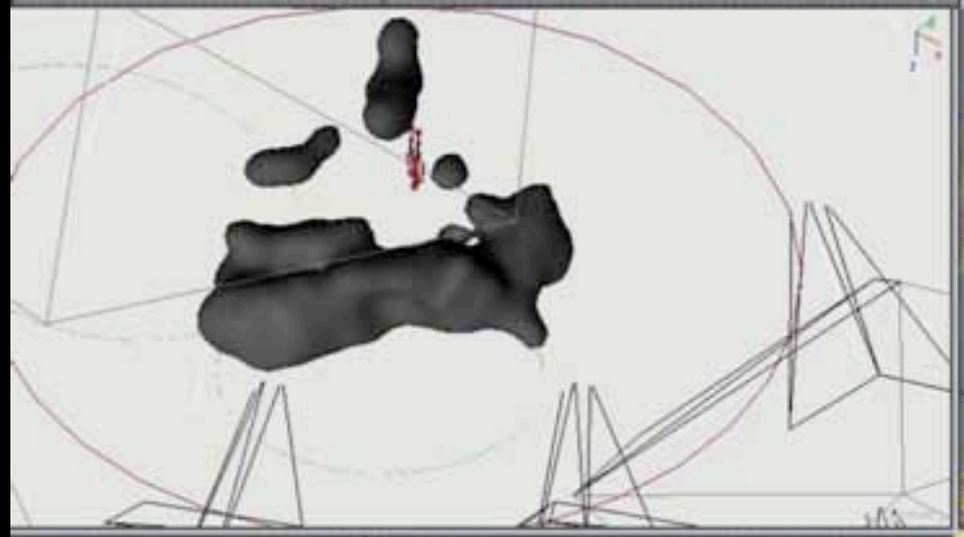
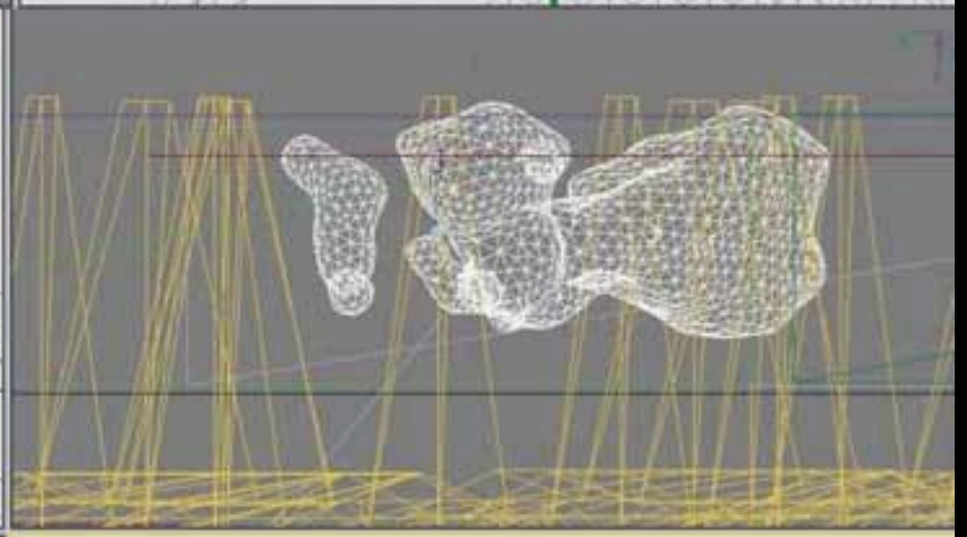


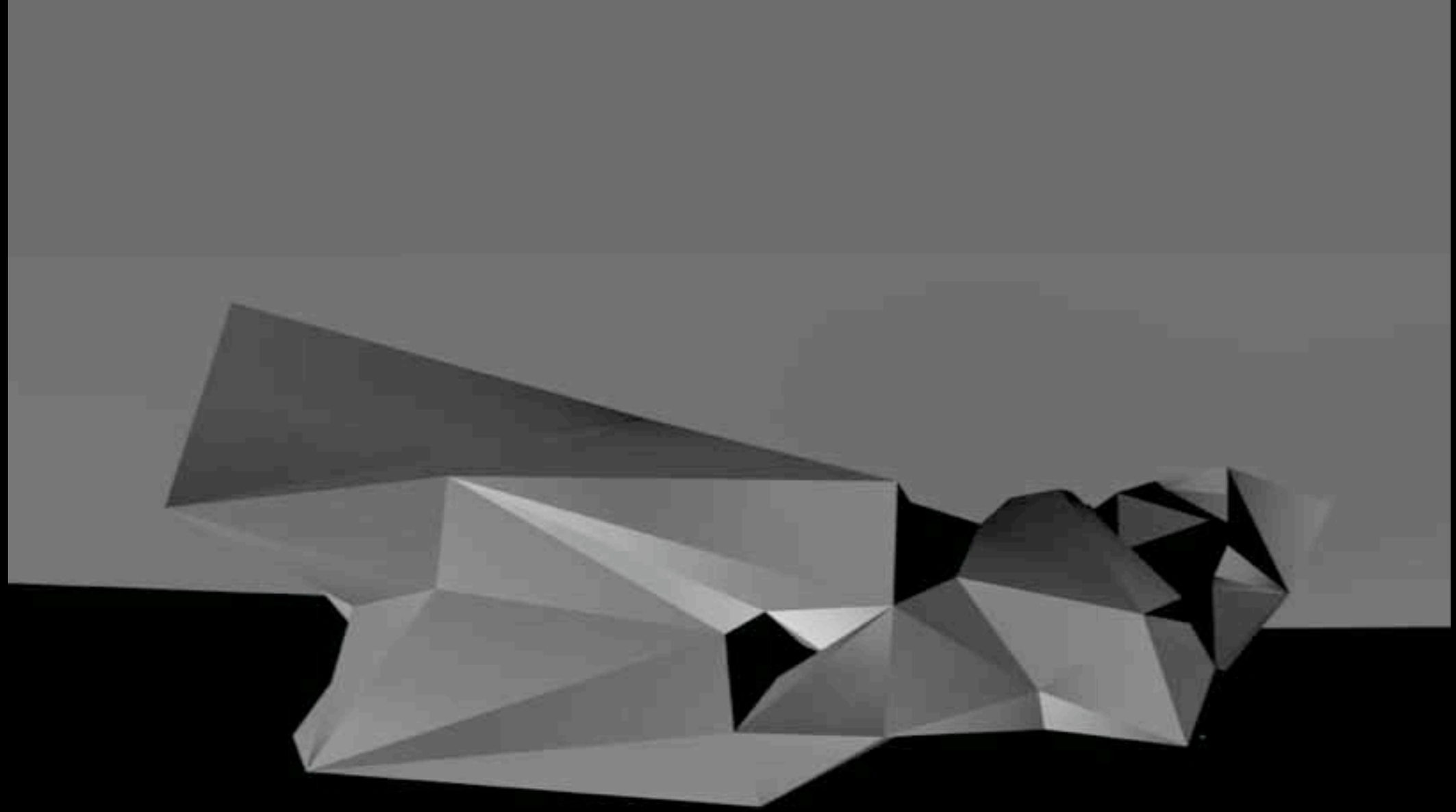


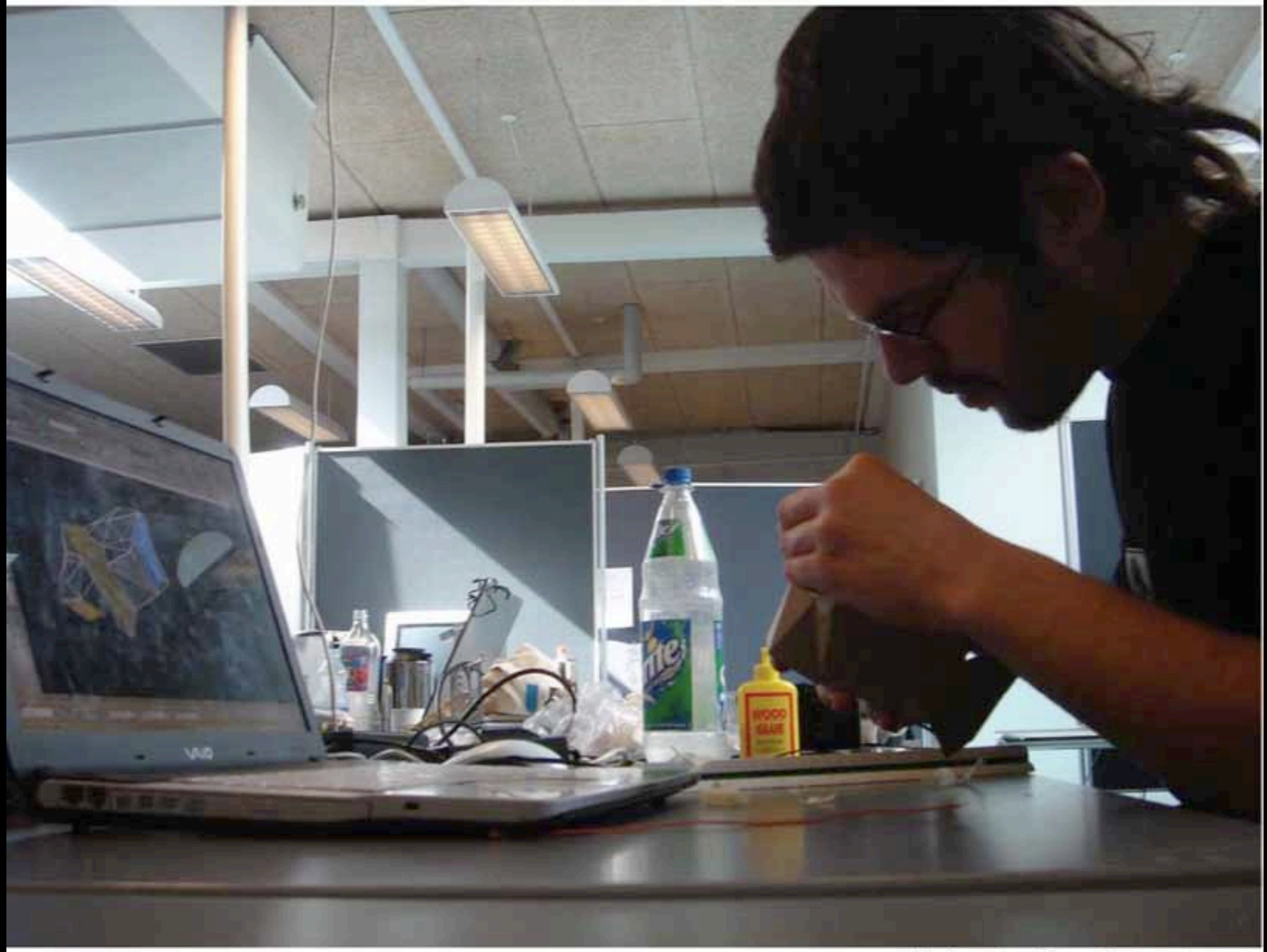




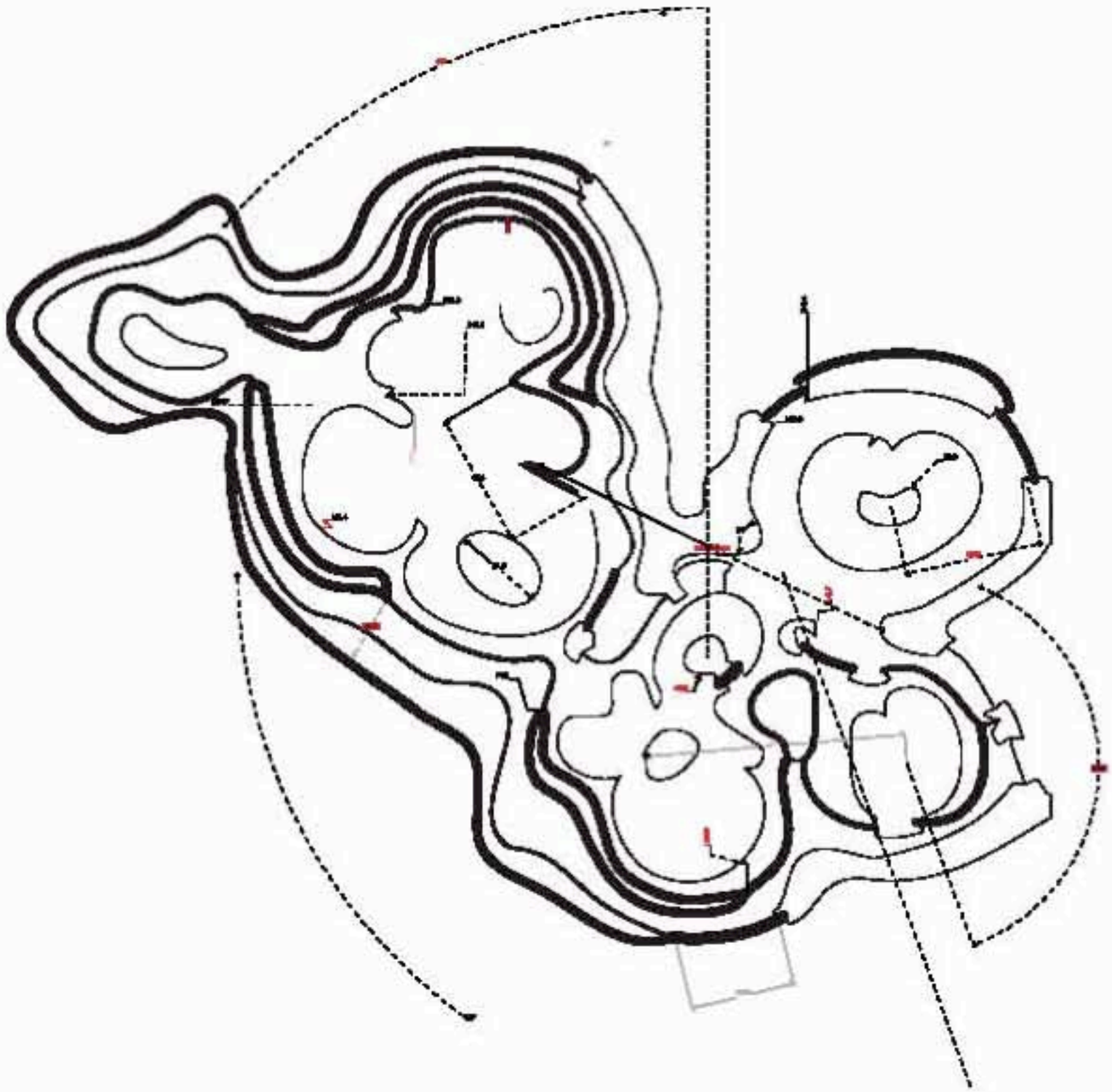




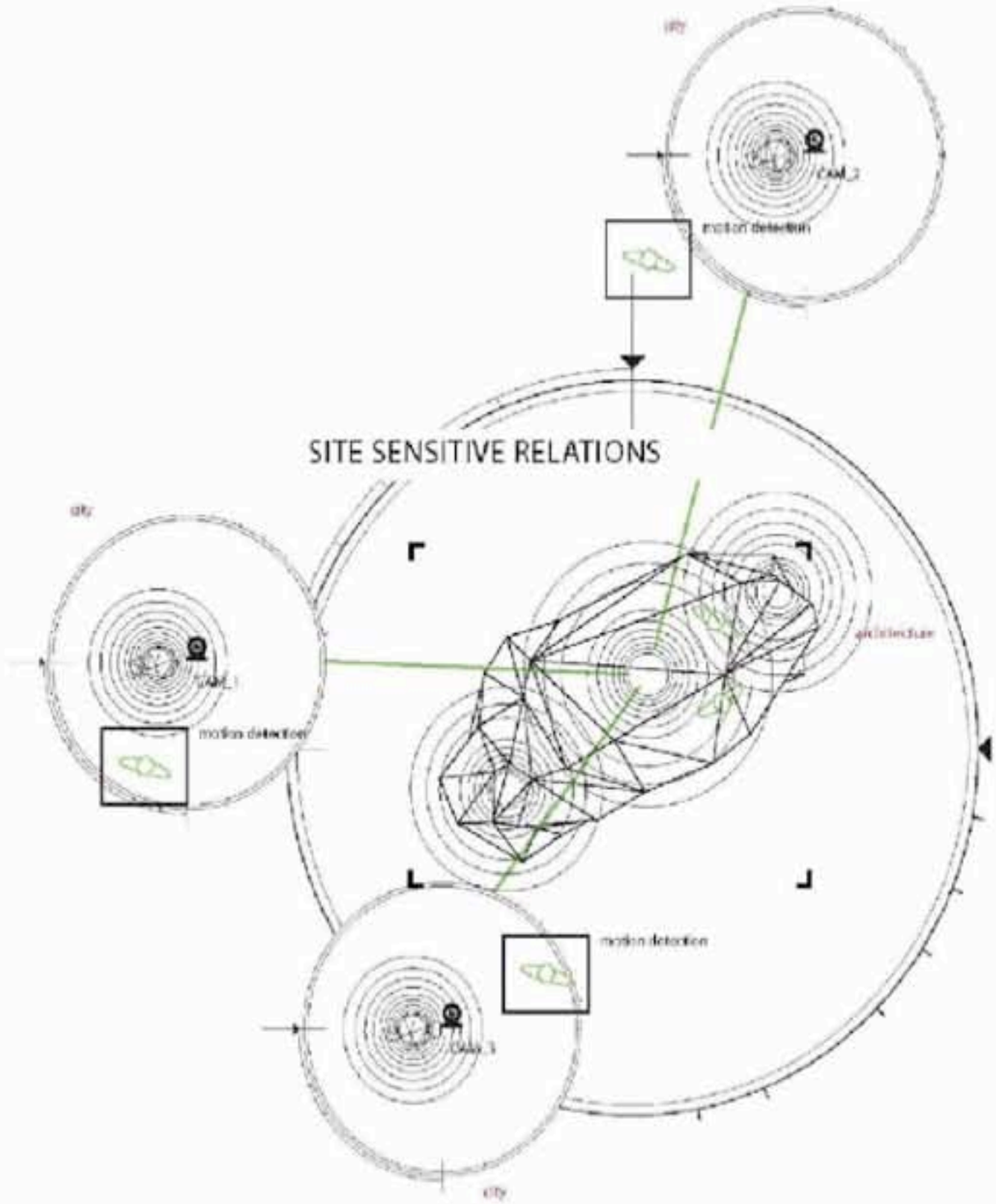


Understanding Geomeatry

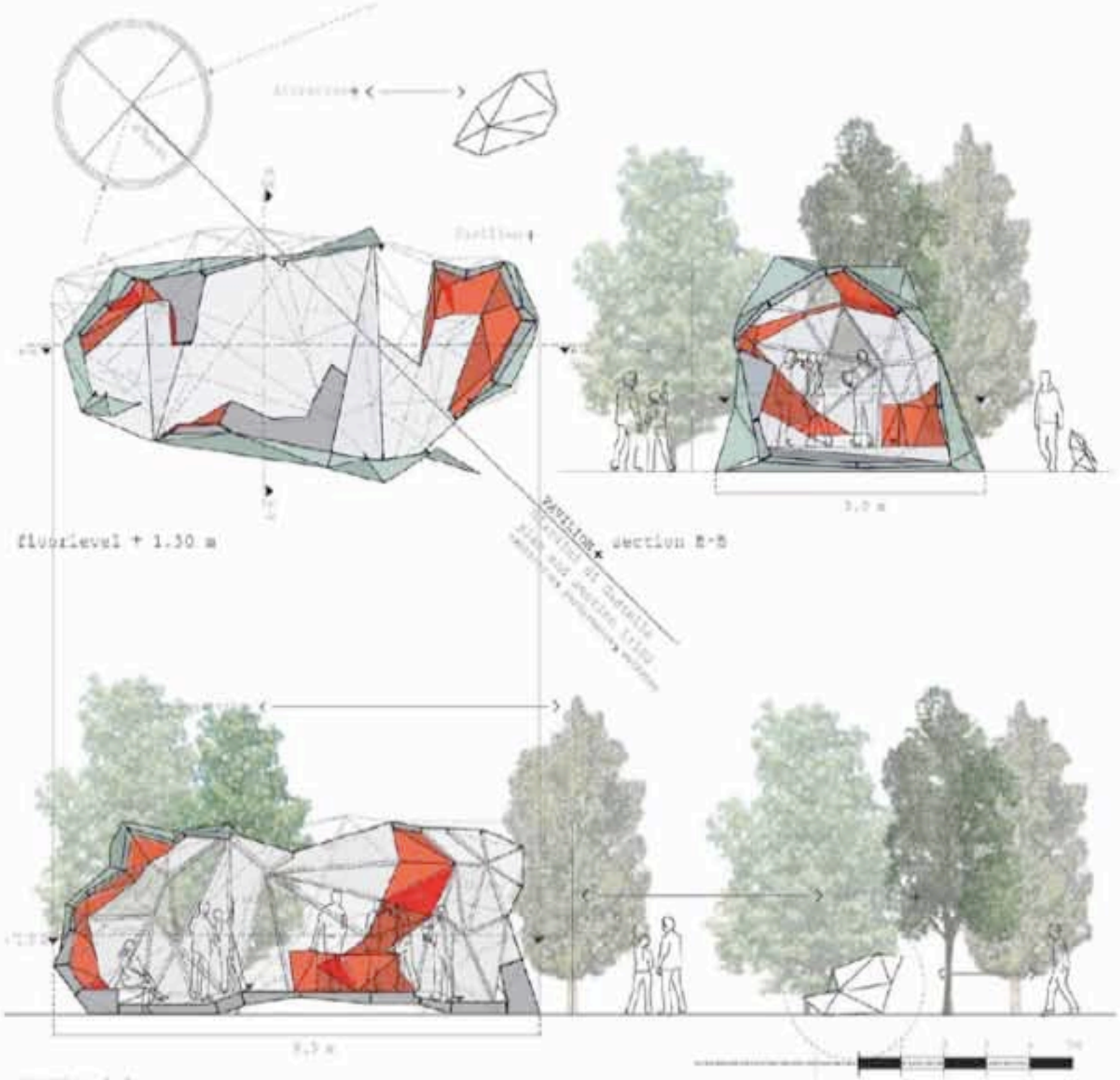


Nora: Sensing Place.
The organic lines indicate how sensor technology can extend the architectural activ
into urban space, and the urban performances can project itself into the ambience
the building. Maybe sensor technology can help us open architecture into a dynami
score of performance, making spaces more enjoyable?

Revitalizing Project


SITE SENSITIVE RELATIONS
motion detection
motion detection

Revitalizing Project


floorlevel + 1.30 m
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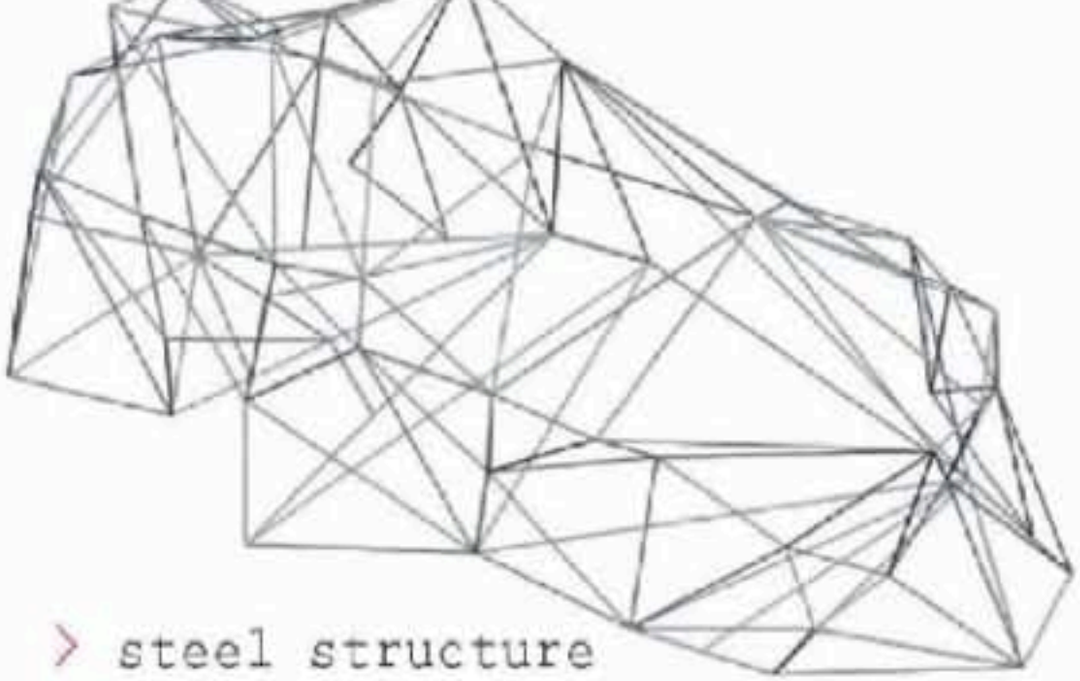
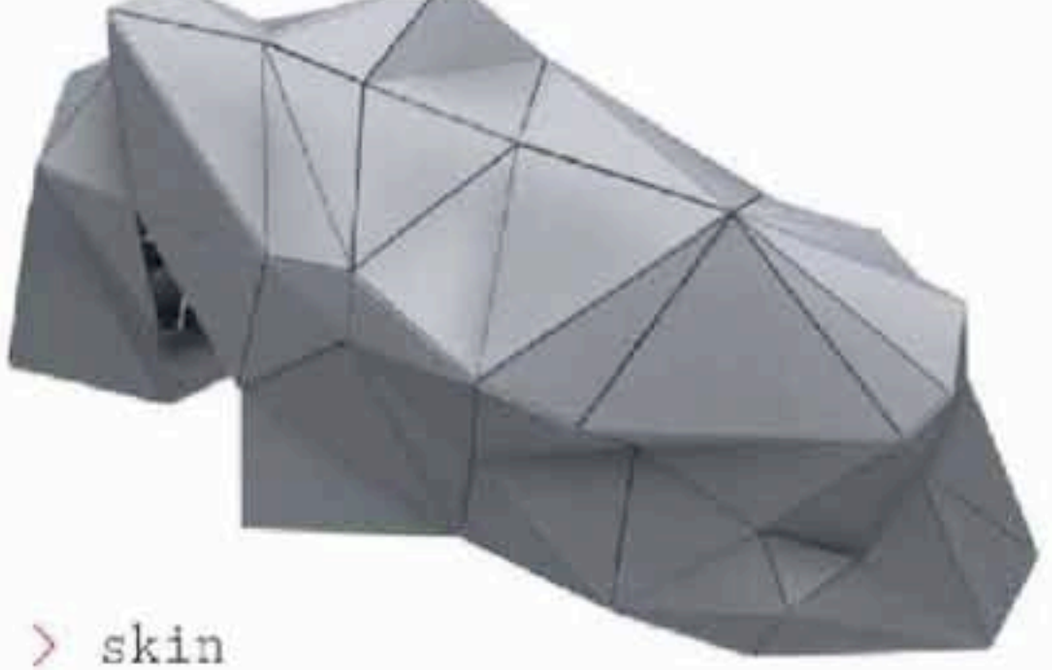


> steel structure



> skin

> furniture

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pachube

about community search feeds or tags search

Welcome to Pachube, a service that enables people to tag and share real time environmental data from objects, devices and spaces around the world. The key aim is to facilitate interaction between remote environments, both physical and virtual.

Logged in successfully

Click markers above for feed information Total feeds: 47 Total users: 102 Comments or feedback? Tell us! Map view | List view

input - add a feed

If you have a:

output - use a feed

If you have a:

Done

The key aim is to facilitate interaction between remote environments, both physical and virtual.

output – use a feed

japanese living room

http://www.pachube.com/api/120.xml

Living room information of Japanese country side family.

Website: http://www.pachube.com/feeds/120

Domain: *physical*

Add to Favourites

ID	Tags	Value	24 hr History
0	light sensor, light level, room light level, CDS, light on	4801	32165 / 0 — image or history
1	room warmth, temperature sensor, celsius, temperature	1103	31678 / 0 — image or history
2	TV, TV switch, remote control pulse counter, air conditioner remote, remote control, infrared pulse	-6182	32688 / -32688 — image or history
3	seconds, infrared time stamp, remote control time stamp	34	32766 / -32766 — image or history
			32767

Firefox File Edit View History Bookmarks Tools Window Help

pachube :: connecting environments, patching the planet – japanese living room

http://www.pachube.com/feeds/120

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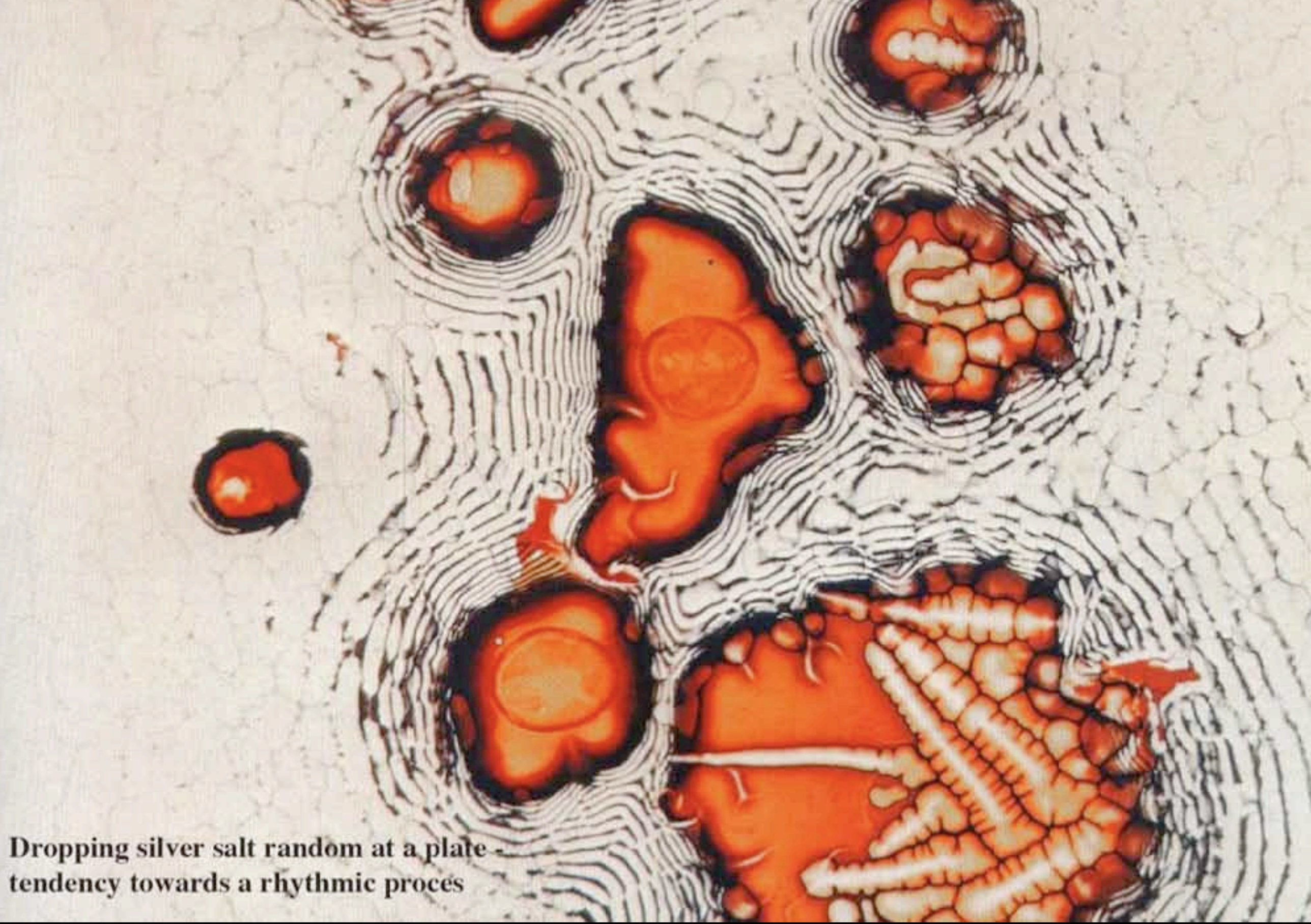
input – add a feed

wind mainmeter Temperature in Celsius blockameter blockbmeter tag0 blockcmeter tag4 rainsensor
coldwater potentiometer hotwater valvestate controlvalve wind sensor cj mps windspeed
tag5 meterspersecond heatingflow flow interior airhumidity centigrade windvane vane
orientation is the first sensor value smaller than the second generated electricity Loudness eliots darkness sensor
presence lightsensor air_temperature air_pressure water_temperature salinity current_speed percent
Pressure mB Visibility current_to_direction wind_speed lightlevel wind_from_direction wind_gust
humidity randomizer position_x position_y david super power i_feel co2 how_bright_am_i
Bastrop light motion_sensor_x motion_sensor_y channel1 motion_sensor_z Wind Direction Wind Speed
mph Relative Humidity channel2 channel3 consumption watts Austin temp rH overall karma
security threat trustworthyness happy sad magic river flow analogRead1 tag3 thermistor1
darknessCounter numberOfTimesSatUpon thermistor2 song tag2 secondsSinceStartup track randomCounter
tag1 muonDirection light sensor dampness seconds Energy Gas Water analogRead0 Stockname
Stockvalue rain range sensor number of persons Lat km per sec solar wind speed Lon solar wind density
protons per cm3 Magnitude btotal bz Depth brightness LDR cloud_density sat_on time_of_day z
collision_count seconds_since_sat_on time_of_last_chat z_mem distance_to_nearest_avatar sl_object_key tag6
time_of_last_collision z_rr monitored_avatar sl_object_name time_of_last_sit nearest_avatar sl_owner_name
touch_count number_of_nearby_avatars sl_region bluetooth wind_strength object_x atmospheric pressure sun
wind_x millibars object_y nigelSensor Leaf Wetness sun_x thermistor wind_y sebSensor object_z
sun_y wind_z region_fps sun_z x chat_messages_count region_time_dilation time_now y light level
mySensor love music room light level CDS playing light on room warmth motion temperature sensor
TV activity TV switch remote control pulse counter air conditioner remote remote control infrared pulse infrared
time stamp remote control time stamp now blush current time time since sta redness embarrassment length
distance extension satellites in view fix quality IFsensor horizontal dilution of precision speed knots altitude
MICROSOFT CP Apple INC AMAZON.COM INC nT interplanetary mag field EBAY INC eastward_current
northward_current celsius river level accesses noise level Sound level sound number of
accesses counter noise personX personY occupied television channel tv station dial door open
carbon dioxide air flow mouseX mouseY sebsSensor STARBUCKS CP 3M NIKE WALT DISNEY FEDEX
NASDAQ COMPOSITE latitude longitude random number random numbers Google General Electric CO

temperature

http://www.pachube.com/tag/z_rr

Starts with



Dropping silver salt random at a plate -
tendency towards a rhythmic proces