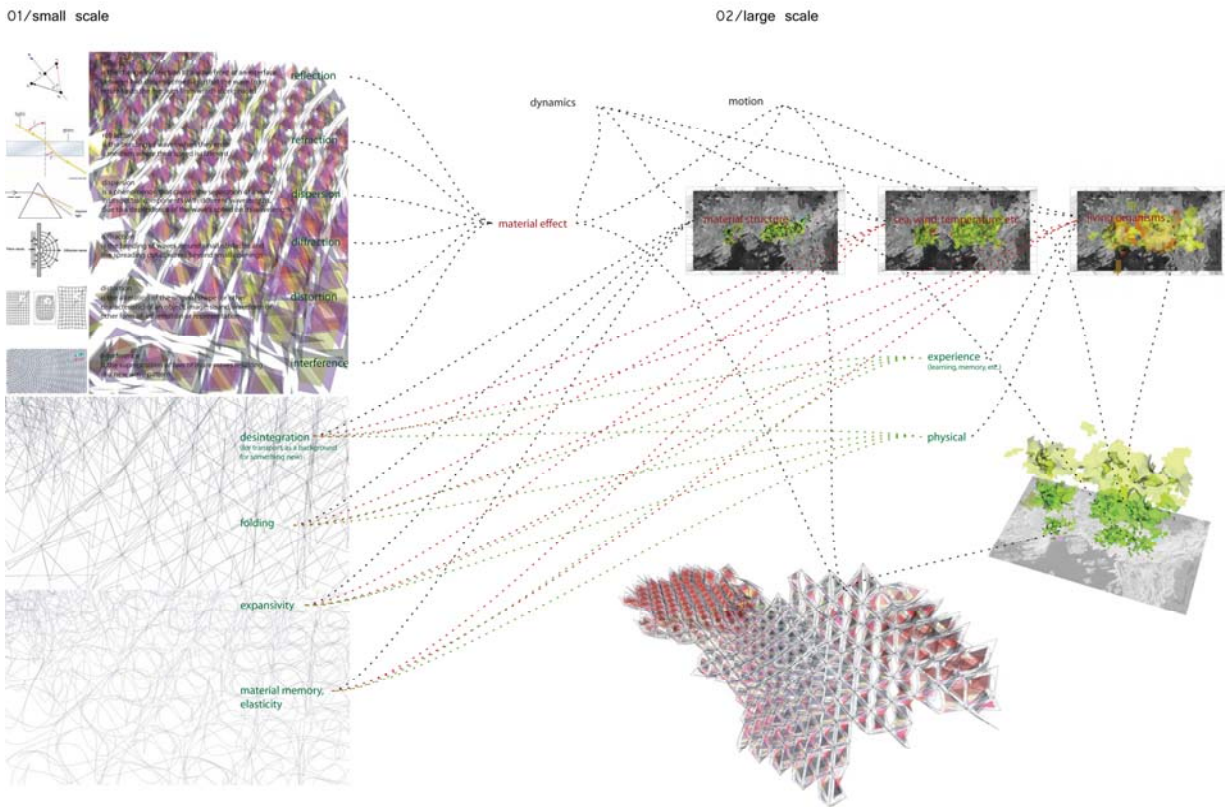


HOLOSLO - The Penetrating of Latent

The project is addressing conference theme: Interactivity: performance and system oriented thinking regarding the interaction between artefacts, material systems, environments and users.

HOLOSLO - The penetrating of latent; AHO spring 2007). The project “HOLOSLO - The Penetrating of Latent” is a reflection of the city environment problematic. Holoslo is an environmental project where the main concept is to collect, process and manipulate explicit and subliminal sensory impulses (visual information, sound) and non sensory signals (like radio waves) gathered from the urban environment fabric. This project has political dimensions. It consists of several layers that include a spectrum from



reality to utopia.

The proposal is a city environmental installation that generates complex, non repetitive output from environmental input “waterfall sound from motorway”. It’s main topic is variety of sound and visual information condition in Oslo as well as radio signal intensity. The installation moves by interaction of material and temperature (shape memory alloys or bi-metal) while the two layers of acrylic surfaces interact (reflect, distort, refract, etc.) with the sound and light input. The metal structure is system of antennas.

The system operates as such: There is the “folded moving structure” from the picture on the model on previous page. To this system is anchored a system of shape memory alloys (possibly bi-metal) which operates the motion of the first one. The system of moving structure operates inner and facet structures of reflective acrylic surfaces that are attached to it. The inner system of surfaces are parabolic shaped, so the input source (sound and light) is distorted and extended. Both the systems of the reflective acrylic surfaces communicate to each other via reflections and transitions. The facet reflective acrylic surfaces are flat. The acrylic surfaces extend the heath to operate the shape memory alloys that operates the “folded moving structure”. Thanks to the complexity, this material systems based structure, in fact based on simple feedback loops, is dynamic.

The project is related to my research topic “Exploring Environmental Dimensions: On Sustainability as an Architectural Problem; Why it is Not Enough To Discuss Time and Space Only “ which is also submitted to the conference.

My research aims to explore how architecture responds to environmental input. It claims that this to a large degree is done today by “add-on” technology, e.g. sound environment is modified with specialized dampening materials, and climatic issues are addressed with increasingly complex and energy consuming ventilation systems. The conceptual and/or artistic architectural expressions are often not approaching those aspects in direct consideration (accept i.e. project “Morpho-Ecologies”, Responsive or Performative Architectures). As a critique of this division of environmental criteria from the architectural overall performance the research seeks

to demonstrate and systematize an integral approach where the environmental responses are met with material systems that also form new architectural spaces and forms. The synergy of interdisciplinary architectural research and criticism is crucial to this project which hopes to motivate and perhaps inspire practice as well as the public.

If accepted, the project will be exhibited by posters, physical models, book and animation.

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