

CASE STUDY: HOUSE N, Fujimoto

According to me, this nested structure, not only relates atmospherically but also signifies the disturbed relation of spaces created in between the boxes it comprises of. It creates a series of transitional spaces, but at the same time it disconnects you with the surrounding environment by meticulously placing large walls with openings that forms the facade. It is a fair example of spaces created between the interior of the house and the exterior streets. Non-defined spaces are formed which brings the nature inside the house, while also bringing the interiors to the outside with help of the openings.

TEXT: Sean Lally – ‘The Shape of Energy’

This text describes how one can develop responsive architecture by taking into account the energy present in the environment. Architecture should be able to react to the natural energy and climate that keeps changing with time by understanding its properties and material usage. Because energy does not possess a rigid form, its growing and shrinking, boundaries should be studied and adapted to create a dynamic form. Energy existing in nature should become a part of the man-made architecture rather than destroying the existing natural environment and constructing on or around it. The idea is to be able to deal with the possible functions that would/could happen in the provided space and how those activities would change in time to be able to adapt to the environmental changes.

Bio-mimicry in a larger context means imitating nature. It goes beyond imitating natural forms for mere aesthetical purposes. On the contrary, it is the meticulous examination of nature and the study of natural models and system, which are used as inspirations to solve complex man-made structures/products.

I have always been fascinated about solving my design problems by taking inspiration from nature, as nature sustains life, a man-made structure can become sustainable if it is designed on the basis of the fundamentals of nature. I find bio-mimicry challenging, because an organism itself cannot help in solving design problems/ideas. It is necessary to study the organism along with its behavior, both physical-chemical and its response to the ecosystem it belongs to. Researching in this manner will help in understanding what effect a certain organism has on its surroundings and how my design will justify the source of its inspiration.

Hence, I believe that researching about this natural world around us, taking inspiration from it; will help me create spaces which can bring harmony between Man and Nature.



The structure of Metropol Parasol at Seville was inspired from the honeycomb for achieving such large spans between the columns.