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Metacognition in architectural design

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Abstract

This poster presents a theoretical model description of metacognition in architectural design. The assumption is that metacognition happens when an architect expresses self-awareness and that's likely to happen when he/she acquires a global view of the design process. During design, architects are immersed in a sequential decision-making process with limited links/references backwards and forwards to immediately adjacent design actions. At certain points during design, possibly evoked by a stimuli or a challenge, architects rise to a higher order awareness where they construct a global view of parts or the whole of the design process, and understand, in parts or in full, the structure and causalities underlying their design decisions within the context of the design process and perhaps within a wider context that is situated in the social world. This is where architects are likely to declare or express their level of confidence about the actions they have made thus far and set longer term strategies on how they are going to manage their design decisions.