Digital technologies have initiated new architectural languages and have eased the way to communicate them directly from initial design phase to production facilities, allowing for the construction of complex geometries with the use of ever evolving techniques and tools. The shift in concept of designing the 'formation process' rather than the 'final forms' are being taken forward by increasing application of the 'digital' from the very beginning of design process to the end of manufacturing process. However, there are crucial questions about its application in the building industries in the contexts which have lower access to Hi-tech technologies. Besides, the huge production cost has limited its adaptability in contexts where the construction field relies mainly on low-tech local methods.

Attention has to be given to explore the new-found freedoms of material computation in close connection with the socio-economical-cultural context by inventing new design processes and custom devices. Flexible, mobile and low-cost fabrication methods applicable to different scenarios should be explored while achieving the complexity of contemporary architectural geometries. Design process should be site-specific, customized and adapted to local technical know-how, in areas that traditionally have limited access to new technologies.

**CONTEXTUALIZATION OF ‘THE DIGITAL’: DESIGN THROUGH MATERIAL BEHAVIOR**

**Key words:** New Design Process, Digital Tectonics, Complex Geometry, Material Computation, Customized Devices