

# BTF'16

## WHAT DOES DESIGN DO? WHEN THE ORDER IS DISRUPTED?



### GIGA-mapping the Architectural Performance: Gaining New Identity by Applying the Former One

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Architectural performance in the means of architecture that reacts to its environment has its strong background in traditional oriental architecture. In the same time, it is perceived as a necessity of our future. Architectures can regulate its internal and external climate and atmospheres in dependency on its material properties and design. In the time of extreme conditions of climatic change, we need to generate environment friendly as well as habitable environments in Europe that can gain from previous generations developed in oriental cultures. Within EU, we shouldn't ask what we lose by accepting different cultures, but how can these cultures enrich us. In the search for the new identity of refugees settled in Europe, the question of integration is equal to the question of updating the existing by the potentials of previous home culture.

The workshop will use the methodology of Systems Oriented Design (<http://systemsoriented-design.net/>), namely GIGA-mapping, for mapping the socio-cultural as well as environment-performative potentials in refugees' homeland, or oriental in general, architecture. The hygrosopicity of wood or certain stone, natural ventilation, etc. has been widely used feature in the researched location. In the time this performance has been forgotten by modern culture people who experienced them in everyday life can save us from the worst harms of coming environmental changes.

Please see:

Fathy, Hassan. Natural Energy and Vernacular Architecture: Principles and Examples with Reference to Hot Arid Climates. <http://archive.unu.edu/unupress/unup-books/80a01e/80A01E00.htm>

Sevaldson, B. (2011). Giga-mapping: Visualisation for complexity and systems thinking in design. <http://www.nordes.org/opj/index.php/n13/article/view/104/88>

Please bring: A big role of paper, markers of different colours and thicknesses, strings and threads of different colours and thicknesses, pins with heads of different colours, scissors, cameras and computers