土楼基因分析
THE GENES OF TULOU

——土楼保护与可持续性发展思考

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**Tulou, Genes, Preservation, Development**

**INTRODUCTION**

Tulou is a unique type of Chinese rural dwelling which carries its social background, history and the local culture contexts. It’s an important architecture GenBank, in which a lot of valuable genes can be abstracted for our contemporary architecture design.
TU1OU --------------

What we can find?
What we can learn------
What we can do!

1 GENES OF SOCIAL CULTURE
社会文化方面的基因分析

2 GENES OF PHYSICAL MORPHOLOGY
物质形态方面的基因分析

3. LEARN AND PRACTICE
学习实验

4. A PROJECT DESIGN案例
-------a hotel design
1 GENES OF SOCIAL CULTURE
社会文化方面的基因分析
Tulou was recording the society, the history and the culture of the time. It's a good interpretation of the relationship between Chinese and Nature. It also embodies the typical oriental philosophy.

1）Record of society, history and culture
A Tulou is usually occupied by one large family clan of several generations. Families band together to risk and defense, living in the Tulou building which is the effective stronghold.
There are 'Fengshui conception', farming-learning culture, Confucian ideology of order in the active scenes of life in Tulou. The overall harmonious is the essence of traditional culture and we should promote it greatly.
土楼中宗祠所体现的集体价值

同族而居的内在秩序与自下而上的生活单元
2）Adaptable to conditions, Respect of nature

When selecting site of the settlement, natural environment is deeply considered and respected, such as site with water in front and a hill at the back. Thus, Fengshui becomes a pattern language. There is a kind of interdependent relation between the Tulou village and the natural environment.
依山傍水尊重自然——选址依据

依山傍水尊重自然
3) **Local material, Adaptable technology**

The Hakka made the most use of local resources. They choose adaptable technology to build houses comfortable to live in.
2 GENES OF PHYSICAL MORPHOLOGY
物质形态方面的基因分析

There are free styles of overall layout of Tulou villages, and also the strict round or square planned in every Tulou building. Characteristic expression in form, space, construction and material comes into a vital Genbank for the regional architecture design of today.
1) Systemic genes of Tulou clusters --------system
2）Relations: order

Ground floor plan of Tulou includes circle, square, rectangle, or combination of some. It follows a precise composing principle. The fine order of a Tulou is worth to be inherited to improve today’s architect design language.
土楼与周边环境的关系

方形土楼的“自律性”及与环境的关系

context
3) Deep Construction: Self-discipline

上楼内外有别的空间形态
space
和谐色调中不乏色彩活跃成分（灯笼+春联）

4）Elements: materials\color\form---

土楼内部的“自律性”
The space in-between the Tulous provides variety of living scenes and is the ‘spirit of space’ of Tulou. Nowadays, some new elements intervention in the self-enclosed Tulou will help to adapt it to new situation.

3. LEARN AND PRACTICE

土壤之間的生活“間隙”空間  in-between space

土壤之間的“間隙”的解構與重构
Research method----Pan-architecture sketch(schema)
Museum project——order \landscape\nature
Materials associated with expression of the regional

材料工艺性关联性表达的地域性

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海峡两岸少数民族文化交流中心
4. A PROJECT DESIGN - a hotel design

构想分析——“源”

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5 CONCLUSIONS
结束语

和谐精神------harmonious spirit
整体系统------overall system
转基因------new intervention
可持续------sustainable development
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Thank you!
谢谢大家！