## INFORMATION ABOUT NEW CONTRIBUTIONS OF THE THESIS

Thesis topic: Organization of residential space adapting to high-tech agricultural production activities in rural areas in the Red River Delta

Field of study: Architecture - Code: 9580101

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**Doctor of Architecture** 

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## SUMMARY OF NEW CONTRIBUTIONS OF THE THESIS

1/ Adding to the specialized theoretical system on the organization of residential space adapting to high-tech agricultural production activities in rural areas in the Red River Delta in which 05 new perspectives and 06 principles are proposed.

2/ Proposing a solution to organize the residential space in rural residential spots adapting to high-tech agricultural production activities in rural areas in the Red River Delta. In this proposal, the thesis has determined (1) the selection of new residential spots that are suitable for high-tech agricultural economic activities; (2) the economic and technical criteria for the suitable residential spots adapting to high-tech agricultural economic activities; (3) functional spatial components in rural residential spots adapting to high-tech agricultural economic activities such as residential functional space, business activity space, economic infrastructure and production service, space for community activities. Besides, in this part, the thesis

also proposes (4) ) residential spots of high-tech agricultural economic activities; (5) organization of architectural spaces of rural residential spots adapting to industrial agricultural economic activities; (6) solutions on landscape, environment and rural technical infrastructure to adapt to high-tech agricultural economic activities. Finally, (7) Proposing the living group model is to organize connected household precincts in order to create a space to connect in production right at the living quarters, facilitate the development of high-tech agriculture and access to equipment as well as high technology in the most favorable way.

3/ Proposing solutions to organize housing space for households participating in high-tech agricultural economic activities inside and outside their residence. In this context, the thesis proposes (1) the function in the housing space adapting to high-tech agricultural economic activities in the countryside; (2) the proposed functional structure of housing space; (3) the organization of housing space adapting to high-tech agricultural economic activities in residence.

4/ The thesis proposes housing models associated with specific activities in high-tech agricultural economic activities and models of organized house groups for households in the chain of high-tech agricultural economic production applied to a particular locality.