

論文審査の要旨
Summary of Dissertation Review

博士の専攻分野の名称 Degree	Doctor of Engineering	氏名 Author	NGUYEN THI ANH HONG
学位授与の要件	学位規則第4条第①・2項該当		
論文題目	Title of Dissertation Neighborhood Planning based on Self-Containment: A Perspective of Travel Behavior with Social Network		
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〔論文審査の要旨〕 Summary of Dissertation Review			
<p>With a focus on policy implications in sustainable neighborhoods, this study proposes a new neighborhood-planning tool based on the concept of self-containment from the perspectives of travel behavior and social network. This research is the first attempt to expand the concept of self-containment in theory and examine it in empirical studies; it takes into account different neighborhood societies based on travel choice behaviors in a consistent and comprehensive way.</p> <p>The dissertation investigates two different neighborhood societies: an aging new town in Hiroshima and new neighborhoods with non-aging population in Hanoi Metropolitan Area; these are two representative neighborhood societies in developed and developing countries in Asia, respectively. Following the introduction in Chapter 1, the concept of self-containment is defined by considering not only a traditional way (i.e., the ratio of collective behavior of destination choices to inside and outside the neighborhood), but also endogenous social networks at the final stage of equilibrium regarding discretionary activities in Chapter 2. After showing the data sources in Chapter 3, the study empirically examines the impacts of topographical and income measures on a travel mode choice in self-contained neighborhoods (in Chapter 4 and 5), and social-related effects on a destination choice (in Chapter 6 and 7) across neighborhood societies. Then, as an example for feedback effects, the endogenous social effects on the destination choice in new neighborhoods in Vietnam are examined in Chapter 8. Finally, Chapter 9 summarizes the main findings of this study and concludes with the limitation and future works of the dissertation.</p> <p>The applicant has published four refereed articles in international journals, related to this dissertation over the past three years.</p> <p>In conclusion, it is judged that the dissertation contains original and comprehensive concept of self-containment in neighborhood planning with a perspective of travel choice behavior and social network for a sustainable development of new neighborhoods. Hence, the applicant is fully qualified to be awarded the degree of Doctor of Engineering.</p>			