

# Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

©2011. Japan Geoscience Union. All Rights Reserved.



HSC003-04

Room:201A

Time:May 26 15:20-15:35

## Characteristics of Urban Expansion in the Yangtze River Delta in a High Economics Growth Period

Zengmin Ji<sup>1\*</sup>

<sup>1</sup>School of Culture-Information Studies, S

In this thesis, the comparison of Wuxi and Kunshan is studied as a horizontal relation and commonality and heterogeneity of urban expansion patterns are clarified. To be more specific, regional and interannual characteristics of the entire Wuxi and Kunshan area are classified through a cross functional comparison and each characteristic of the new city and development zone types are further emphasized. First, it is quantitatively analyzed by dividing it into four time periods and four quadrants to see how developments focusing on housing and industry are reflected into land. Next, suburban areas are extracted from the entire city area, its expansion process is revealed, and then the land use change is quantitatively elucidated based on the composition ratio of water area, agricultural and forest sites, and land for urban use. The background producing heterogeneity is analyzed with statistical data and the background peculiar to both cities is also sought. Furthermore, common characteristics between both cities and the background of common social systems and economic development are extracted.

Keywords: Urban-rural coupling regions,, New city, Industrial estate, Land use change