

Name UCHIDA Takahisa	Job Title Associate Professor	Area of Expertise Structural Engineering
<p><b>1. Main Research Topics</b></p> <p>① <b>A Study on Public Housing Complexes in Nagasaki City</b> Public housing complexes were built to address the postwar housing shortage and have been constructed in large numbers across the country from the period of rapid economic growth to the present day. However, in recent years, due to factors such as a declining and aging population and the deterioration of buildings, the increasing number of vacant units in public housing complexes has become a nationwide issue. I'm conducting this research because I believe that, in order to make better use of existing public housing complexes, it is necessary to first assess their current status and then gain insights into strategies for addressing vacancies that are tailored to each specific complex.</p> <p><b>1-A. A Typological Analysis of Public Housing Complexes in Nagasaki City</b> I'm focusing on housing complexes located near the city center within Nagasaki city limits that hold high potential for redevelopment. After assessing their current conditions—including age, vacancy rates, and transportation accessibility—we are attempting to categorize them. We believe it is necessary to categorize and analyze many of these housing complexes in Nagasaki City in order to identify redevelopment strategies that align with each complex's site conditions and the current state of its buildings.</p> <p><b>1-B. A Study on Housing Units in the Former Uo-no-Machi Housing Complex</b> In the heart of downtown Nagasaki stands the Uo-no-Machi Housing Complex, built according to the "Type 48 (standard design for reinforced concrete public housing used nationwide)" One of its units has been restored and preserved. I believe that by reviewing the design history of the Uo-no-Machi Housing Complex through various historical documents, and by gaining an understanding of the social conditions and family structures of that era, we can deepen our understanding of both the Type 48 floor plan and this housing complex itself—insights that will prove valuable in proposing housing layouts suited to today's social context.</p> <p>② <b>A Study on the Utilization of Vacant Houses on Slopes in Nagasaki City</b> Due to its topographical characteristics, Nagasaki City features sloped areas near the city center lined with residential buildings. Among these, areas that were developed as residential zones long ago have seen a significant increase in dilapidated, vacant wooden houses. Since these sloped areas were developed as residential land before the Building Standards Act was enacted, they are often accessed only by stair-step paths or narrow roads too narrow for vehicles. As a result, many of these properties face difficulties not only in constructing new homes but also in demolishing vacant houses. We are conducting research based on the belief that the effective utilization of these old vacant wooden houses and vacant lots near urban areas will lead to the revitalization of those specific neighborhoods and, in turn, contribute to the revitalization of the urban area as a whole.</p>		
<p><b>2. Keywords</b> Architectural Design, Urban Planning, Public Housing Complexes, Measures to Address Vacant Homes SDG s 17 (3. 11. 12.)</p>		
<p><b>3. Remarks and Websites</b> I hope that by sharing the results of our research on the utilization of vacant wooden houses in public housing complexes and on slopes with local governments and businesses, I can help reduce the number of vacant units in housing complexes within Nagasaki City and address the issue of vacant homes. Furthermore, we plan to develop renovation floor plans for housing units and design proposals for vacant units, and we look forward to seeing these renovation designs come to fruition.</p> <p><b>researchmap:</b> <a href="https://researchmap.jp/uchida.archi">https://researchmap.jp/uchida.archi</a></p> <p><b>Laboratory(architectural design office):</b> <a href="https://www.uchida-archi.com/">https://www.uchida-archi.com/</a></p>		