

Division of Geosciences and Civil Engineering	Research field	Urban Planning and Planning support system	Lab. ID GC10
Laboratory web site	http://webserv.ce.t.kanazawa-u.ac.jp/kawakami/		
Research subjects			
<p>Urban and regional planning Urban planning and design including historical restoration, disaster prevention and so on. Planning support system for public participation on the Internet Planning support system using GIS and AI for environment conservation Comparative study of Japan-China urban planning systems</p>			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
<p>Regional municipalities in Japan are endeavoring to improve public involvement in decision-making processes for urban planning and design, such as urban master plans, district plans, and townscape design (Machizukuri). To support public participation, we are conducting research into developing planning support systems using WEBGIS and VR technology on the Internet environment.</p> <p>Environment plan based on analysis of geography information is an important theme. Urban models employed in the allocation processes of land use have taken into account land use demand, supply and competition, and a new approach considering environmental impact from urban activities is also introduced to urban and regional planning. We are conducting land use simulations using CA and MAS based on the behaviors of different autonomous agents to represent a "bottom-up" decision-making process. As well, by introducing ecological networks into urban and regional planning, we are developing a new type of planning support system for environmental conservation.</p>			
Daily life in the laboratory, etc.			
<p>We are conducting research from multi-approach, such as field survey, spatial analysis, making design and planning proposals, project evaluation. For those works, we try to find the solutions via Geovisualization and Geosimulation. We are organizing international workshop every year and active in international communication.</p>			
Message or comments by the laboratory faculty staffs			
Students who are interesting in GIS and VR technology are welcome to join our lab from all of the world.			
Laboratory mail address	Zhenjiang SHEN <shenzhe *at* staff.kanazawa-u.ac.jp>		