

| | |
|---------------------------|--|
| Title of Research Subject | New ways of living using automated driving vehicle-identifying the pressing matters in the near future and how to resolve them |
| Background and objectives | <p>While the use of automated driving vehicle is nearing, many essential and difficult questions remain unsolved. For example, how cities and roads should be rebuilt in order to be as adequate as possible for such vehicles, how the benefit and cost that would result from using such vehicles could be calculated in consideration of the welfare of the stakeholders, the attribution of civil and criminal liability in case of accidents and the relevance of today's related legal system for the new era. These matters are to be considered based on expert knowledge of engineering, economics, medical science, sociology, psychology, ethics and jurisprudence. A proposal that is not only interdisciplinary but also internationally acceptable shall be made to the public regarding this issue, including policy decision makers.</p> |
| Expected results | <p>The following results are expected.</p> <p>1 In the rural area where the population is decreasing rapidly, automated driving vehicles (level 3 and more) will be approved to be used in designated lanes. By setting such lanes, fatal accidents involving the automated vehicle could be prevented as much as possible.</p> <p>2 In other areas not mentioned above in 1, the system will be proposed in which the human drivers of taxis, buses, trucks can continue working, therefore avoiding an eventual turmoil in those working fields.</p> <p>3 In a level 3 vehicle, a passenger should take over the driving responsibility as a driver after receiving a takeover request from the automated driving system. Hence, the passenger should maintain a driving aptitude(mental and physical) at all times. It is considered more difficult to maintain this ability while on stand-by than while driving simply.</p> |