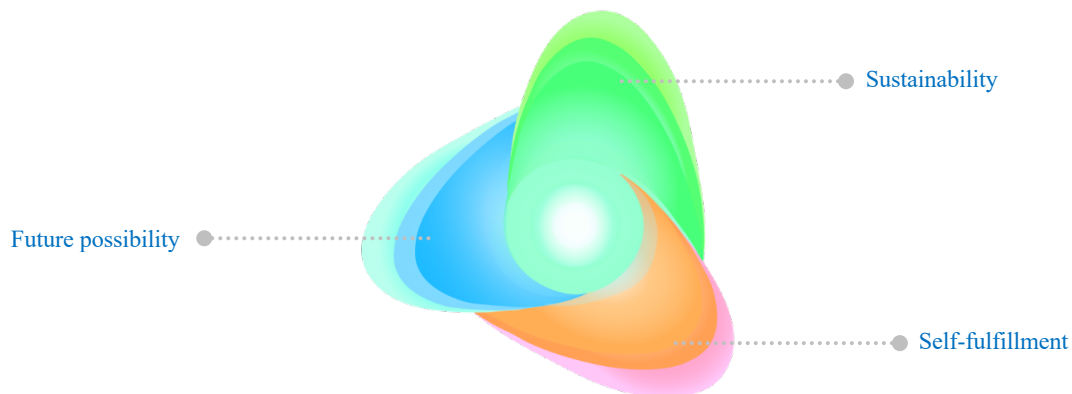


Future design and economic experiments for environment and sustainability

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As an organizer of the session “future design (FD) and economic experiments for environment and sustainability” and as the director of Research Institute for Future Design (RIFD) at Kochi University of Technology, I would like to introduce an overview of future design research and the connection with economic experiments for environment and sustainability. Future design research has been conducted with various types of economic experiments, such as lab, field and social ones, that ask people to choose some decisions, visions, scenarios and daily behaviors in some controlled economic environments. The FD research projects have been successful thus far, experimentally and empirically showing that people are induced to take some sustainable actions and behaviors in not only short-term but also long-term periods. These FD results have been published in academic journals, such as “Sustainability Science,” “Futures,” “Land Economics,” “Journal of Behavioral and Experimental Economics,” “Environment, Development and Sustainability,” “Scientific Reports,” “Sustainable Production and Consumption” and “European Journal of Political Economy.”



The 1st part presents the introduction of FD and explain the originality in an intersection of experimental economics, environmental economics and future studies. The visions, missions and strategies our FD research team possess over the future shall be described and discuss some past FD research projects associated with the aforementioned publications, showcasing the main results out of them. FD considers the mission to create a new institution, culture or mechanism that enables people to take a perspective of the past, current and future generations and to enhance creativity and innovations not only for now but also for future by which self-fulfillment of people in the current generation, sustainability and future possibility shall expand together. Next, some research agendas shall be discussed to set the missions for achieving the visions along with ongoing FD projects. A key open question here is “does people’s self-fulfillment get enhanced when they are asked to be creative and innovative for sustainability and future possibility?” Some key remarks for this questions will be presented as a possible future research.

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3世代の視点から ProspectiveとRetrospective

過去世代、現世代、将来世代の視点から時代的变化と普遍性を捉える



世代を跨ぐ他者(将来世代)との対話・関係性・物語の構築

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The 2nd part presents how FD research projects are currently planned and will evolve over future including the ones the following presenters in the session will discuss. The above publications FD research projects have made thus far are mainly concerned with lab and field experiments that empirically and experimentally confirm a change in people's behaviors and decisions toward sustainability and future possibility in short run or at the moment. We are now planning to associate the results to be integrated with information technologies, such as AI, as well as to implement FD as social experiments, considering households as a unit of subjects for the future. FD can be interpreted to be a set of interventions that enable people to edit information over different generations' perspectives to be part of their life stories, and if people realize the meanings and significance of the stories through deliberative cognitive processes by FD, we argue that people will change their behaviors and decisions in short run and long run. To this end, it is very important for us to identify how information technologies can assist and to confirm the long-term FD effect through conducting social experiments. That is what we are planning and doing research associated with FD economic experiments. Finally, some future perspective and expectations over FD research projects shall be summarized.