



ADVANCED TECHNOLOGY RESEARCH CENTER



Establishing and standardizing an approach for objectively quantifying and assessing subjective 'drivability'

Mitigating Global Warming through the Use of Biomass Resources

Realizing a cloud-based real-time editing service capable of processing high-definition 8K Video uncompressed and with low latency

The aim of the Advanced Technology Research Center at Kanagawa Institute of Technology (KAIT) is challenging to solve social issues by the practical application of research results.



Masao Issiki
 Director, Advanced Technology Research Center
 Kanagawa Institute of Technology (KAIT)

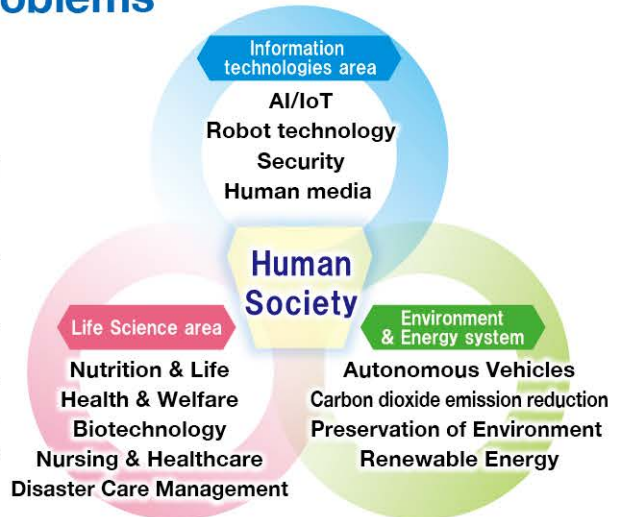
Masao Issiki, who has been in charge of Director, as an Advanced Technology Research Center, established in 2013 for the 50th anniversary of the KAIT, has been focusing on significant contribution to the society by providing large amount of the brilliant knowledge accumulated at KAIT'. Broad band of research and developing activities for the innovative products and services have been conducted under collaboration with industries through the various types of collaboration we KAIT has concerned.

Promoting the practical application and commercialization of research results to solve the social problems

KAIT have been conducting the fundamental and applied research activates with a wide range of fields, such as mechanical, electrical, chemical, biological, information technology, and life science so on. Especially, special emphasis is placed on the three fields of sciences and technologies, such as "Information technology," "Health & Life Science " and "Environment & Energy technologies" to promote practical research aiming for solving social problems.

KAIT adopts research style of three years gate keeping duration model for accelerating the commercialization of new products and advanced services.

Since FY 2023, when the institute was 10-year anniversary celebration, we have also emphasis on "not only network communities built in the university" and "but also network communities built in regional society."



The Fourth Term's Research Themes (2023.4~)

- Practical application of a high-capacity communications processing platform using edge computing
- Social implementation of the bio-PET production from inedible biomass resources to mitigate global warming
- Enhancing Accuracy and Generalization in Methods for Evaluating Vehicle Steering Characteristics ("Referred to as 'TL Evaluation Open Innovation'")

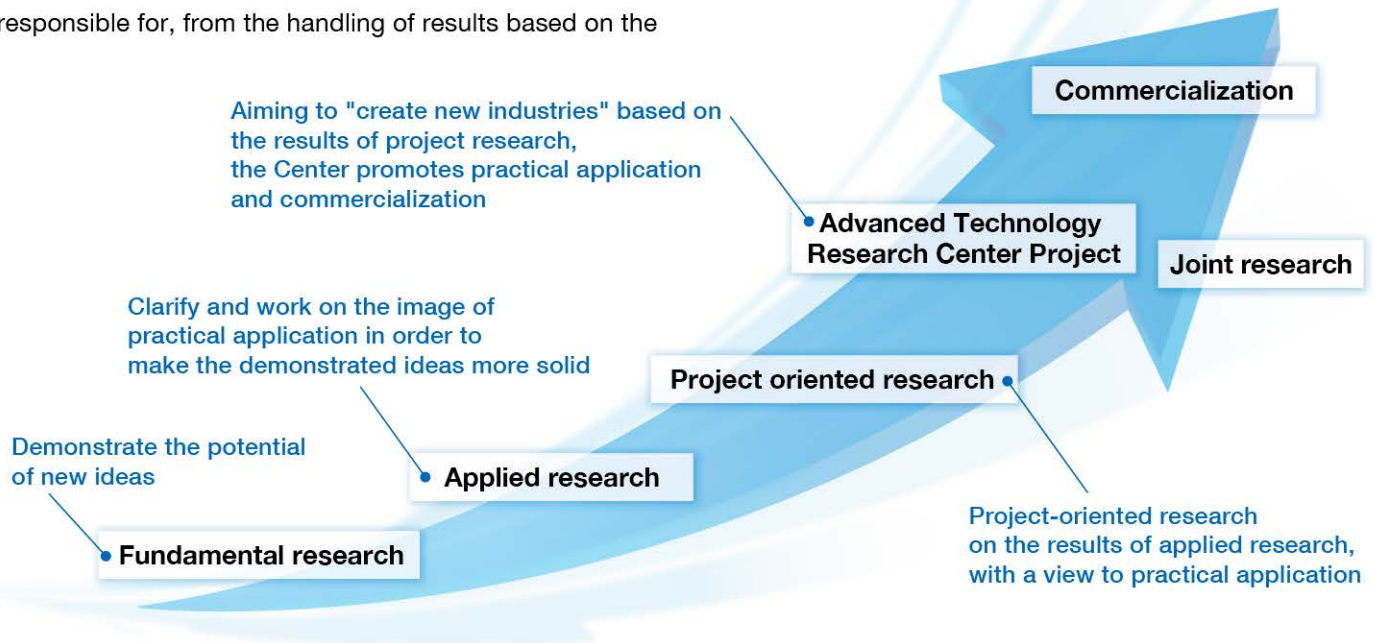
Aim of the Advanced Technology Research Center

KAIT's research activities are addressed 3Cs, such as Challenge to the newly fields, Change by new ideas, and Create innovative industries.

Research activities are divided into the categories followings, "Fundamental Research," "Applied Research" and "Project Research" based on the each stage.

The Advanced Technology Research Center has been responsible for, from the handling of results based on the

fundamental research to promoting practical application of technologies and commercialization of newly products through supporting widely public relations, business model generation.



Activities of the Advanced Technology Research Center

01 >>>

Practical application and commercialization of research results



It aims to make significant contributions to society by promoting the practical application and commercialization of KAIT's fundamental research results, aiming to "creating new industries."

02 >>>

Establishing communities within the university



It has been aimed to provide the field for co-creation study where not only faculty members and students, but also industry person, all of the concerned. Will be able to gather the community and actively exchange the information and ideas focusing on the problem which might be identified and solved.

03 >>>

Strengthening and expanding of community network within the regional area



We KAIT have been strongly functioned as a regional hub system that might want to facilitate collaborations with regional companies in Atsugi city and Kanagawa prefecture to accelerate research and development activities to achieve the innovative eco-system in next generation.

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