

令和 7 年（2025）年度 10 月期入学式 学長式辞

Congratulations on your admission to the Tokyo University of Marine Science and Technology. I would like to welcome all the new students here today. And I would also like to express my sincere gratitude to Mr. Matsumoto Kazuaki, Chairman of Rakusui-kai, and Mr. Sekine Hiroshi, Chairman of Kaiyo-kai, for taking the time to attend today despite their busy schedules.

I am sure you are all eager to begin your studies and research in this new environment. At TUMSAT, you will meet inspiring professors and take important new step in your academic journey. I encourage you to build a strong relationship with your supervisor through open and honest scholarly discussions.

Let me also offer one more piece of advice. As you know, the progress of Artificial Intelligence (AI) has been truly remarkable. I strongly recommend making effective use of AI in your learning and research.

Many experts, including Elon Musk, Masayoshi Son, and Sam Altman, predict that Artificial General Intelligence (AGI) will emerge within the next five years. Furthermore, it is suggested that Artificial Super Intelligence (ASI), much smarter than humans, may appear within the next decade.

According to Prof. Matsuo Yutaka of the University of Tokyo, a leading AI researcher in Japan, AI will soon be able to take over humans' recognition, judgment, and even thinking. Tasks traditionally handled by people may be performed by AI agents, while physical labor will be carried out by robots under AI control. These changes could fundamentally reshape the structure of human society – and the work of researchers and engineers will be no exception.

So, will AI take over our jobs soon? The answer is no. Future researchers and engineers will instead need the ability to collaborate effectively with AI. In fact, on July 1st this year, the Japanese Ministry of Education announced a new initiative entitled "*Innovating Scientific Research for the AI Era*." This program promotes AI-driven research, envisioning researchers collaborating with AI to generate hypotheses,

automate experiments, analyze data, and interpret results. Within this initiative, AI-driven research is referred to as “*AI for Science*” and is expected to accelerate research cycles, broaden the scope of research, and foster innovation in scientific research.

On the other hand, ChatGPT-5, released in early August, has not received as much acclaim as anticipated. This is partly because although ChatGPT-5 has already consumed much of the vast amount of data available on the internet it has not yet achieved the level of performance expected. Even if AGI or ASI is developed, a fundamental question remains: who will provide the new training data? The answer is clear. We as human researchers and engineers must continue to generate new insights and knowledge to advance human society. Our position is that AI should not replace our judgment and thinking but rather should be used as a powerful tool to pioneer a new human society.

TUMSAT offers "*the Graduate Program in Marine AI and Data Science*", which aims to cultivate innovators, advanced professional engineers and marine policymakers who can apply AI effectively in real-world contexts, based on the extensive field experience provided at our university. This program is open to all graduate students, regardless of major. If you are uncertain about joining, you may begin with the *Marine AI Core Course* to see your own potential. Once you have mastered AI as a tool, you can transfer into the full program. I encourage you to discuss this option with your supervisor.

Finally, as you begin your university life today, please feel free to consult with our faculty and staff at any time. You also have powerful supporters: Rakusui-kai on the Shinagawa campus and Kaiyo-kai on the Etchujima campus, our university's alumni associations. I encourage you to join the global alumni network, and I sincerely hope you enjoy your fruitful student life.

October 6, 2025
President, TUMSAT
Iseki Toshio