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## **Mitsubishi Electric Researcher Named Kaggle Competitions Master in World's Largest AI Competition**

*Title, presented to Kaggle's top 1%, recognizes mathematical-optimization and machine-learning skills*



Dr. Kenji Ueda of Advanced Technology R&D Center

**TOKYO, March 27, 2025** – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today that Dr. Kenji Ueda, a researcher at the company's Advanced Technology R&D Center in Japan, has been awarded the title of Kaggle Competitions Master by Kaggle, INC., a Google LLC subsidiary and the world's largest AI competition platform.

Kaggle medals recognize competitors who use superior skills in mathematical optimization or machine learning to develop effective solutions to challenges posed by companies and government agencies. The title of Kaggle Competitions Master is awarded based on the total number of medals a competitor accumulates. Dr. Ueda was awarded his title as a result of accumulating one gold medal and two silver or higher medals in competitions over the past few years, thereby fulfilling the requirements for the award.

Dr. Ueda has used his advanced skills and experience in mathematical optimization and machine learning, honed through daily research and development, to compete in Kaggle competitions in collaboration with internal and external team members. Previously, Dr. Ueda won a silver medal by placing 29th out of 1,054 teams in the Santa 2023 - The Polytope Permutation Puzzle<sup>1</sup> competition to efficiently solve 3D puzzles using AI.

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<sup>1</sup> Held from December 19, 2023, to February 1, 2024.

He also won a gold medal by placing 10th out of 1,427 teams in the ARC Prize 2024<sup>2</sup> competition to harness the abstract reasoning abilities of AI. In addition, he secured a silver medal by placing 28th out of 1,514 teams in the Santa 2024 - The Perplexity Permutation Puzzle competition<sup>3</sup> to minimize the perplexity of the large language model (LLM) by using AI to reorder English word sequences. He also won a silver medal by placing 43rd out of 1,120 teams in the FIDE & Google Efficient Chess AI Challenge,<sup>4</sup> competing against chess AI with CPU, memory and file size constraints.

Dr. Kenji Ueda said: “I am very pleased to have achieved the title of Kaggle Competitions Master. I would like to express my gratitude to all those who have teamed up with me. I will continue to enjoy participating in external competitions to further enhance my skills and contribute to solving societal problems encountered in our company’s diverse business fields.”

Mitsubishi Electric is leveraging its strengths in physical modeling, simulation technology and compact AI developed through robust components to create AI agents that evolve with users to meet various workplace needs, such as maintenance and manufacturing. The company will continue to advance its R&D by integrating the high technical skills of its AI engineers, including Dr. Ueda.

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### **About Mitsubishi Electric Corporation**

With more than 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Mitsubishi Electric enriches society with technology in the spirit of its “Changes for the Better.” The company recorded a revenue of 5,257.9 billion yen (U.S.\$ 34.8 billion\*) in the fiscal year ended March 31, 2024. For more information, please visit [www.MitsubishiElectric.com](http://www.MitsubishiElectric.com)

\*U.S. dollar amounts are translated from yen at the rate of ¥151=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2024

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<sup>2</sup> Held from June 12, 2024, to November 11, 2024.

<sup>3</sup> Held from November 22, 2024, to February 1, 2025.

<sup>4</sup> Held from November 19, 2024, to March 7, 2025.