

Announcement of the “Crane Slewing Operation Optimization Challenge”
AI Algorithm Competition

Tadano Ltd. is holding the “Crane Slewing Operation Optimization Challenge,” which is its first AI algorithm competition using an automated crane operation simulator. This is the industry's first initiative to take a big step toward automation in the world of construction crane operation, where slight differences in delicate operations cause large deviations and are risky.

In the construction industry where our products are active, retirement of skilled workers due to advanced age and a slowdown in new hirings have resulted in a deepening labor shortage and other problems, and there has been a demand for the development related to unmanned operation and automation.

Crane slewing operation should be done quickly and requires experienced skills as operators need to be careful about the movement of the crane and the weight and position of the load. Participants in this competition will develop an automation algorithm in the simulator that is provided by Tadano, and will compete for overall rankings determined primarily by crane movement accuracy and speed.

We aim to resolve the issues facing our industry together with all of you through open innovation programs, and hope to receive many entries to this competition.

<Requirements for entry>

Task	Develop motion control AI that operates the crane simulator, and compete in terms of speed, accuracy, and safety of load transport during various kinds of slewing operations.
Schedule	Competition start: September 13, 2021 Competition end: November 30, 2021 Awards ceremony (online): Late January 2022 (*) In order to participate in the awards ceremony, consent to the participation rules of the competition will be required.
Prizes	1st place: 2,000,000 yen 2nd place: 1,000,000 yen 3rd place: 500,000 yen 4th place: 300,000 yen 5th place: 200,000 yen
Organizer	SIGNATE Inc.
Where to enter	Please check the details and enter from the site below. https://signate.jp/competitions/428

Inquiries regarding this matter:

Tadano Ltd.

General Affairs Group,
 General Affairs Department
 TEL: 087-839-5601