

Competition rule of Free-Style Group

Version 1.0 (November 27, 2017)

Each team must give a demonstration of underwater robot for about 5 minutes in the pool. The presentation, the novelty, the performance of underwater robot, the completeness of free demonstration, and the flier described below will be evaluated respectively.

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| (1) Presentation (<i>Presentation Point</i>) | [Max. 20 points] |
| (2) Novelty of design concept (<i>Artistic Point</i>) | [Max. 10 points] |
| (3) Maneuverability/performance (<i>Technical Point</i>) | [Max. 10 points] |
| (4) Completeness (<i>Demonstration Point</i>) | [Max. 30 points] |
| (5) Attractive flier (<i>Document Point</i>) | [Max. 30 points] |

With examining the points shown above, underwater robots will be evaluated synthetically and the ranking will be decided.

Attractive flier in English (A4 size, 1 page, PDF file) is required by 18 May 2018. Please send the PDF file to the OTO'18 Underwater Robots Competition Committee:

underwater-robots-oto18@arima-labo.jp

Each team must describe the content of demonstration (diving, surfacing, turn, torpedo launching, jump, etc.) to the flier as concrete and detailed as possible. In the demonstration on the competition day, its reproducibility will be evaluated.

Demonstration area: Length about 10m * Width about 10m * Depth 1.1m.

The Free-Style Group Award is given to a team member who have given a demonstration of an excellent robot through evaluation by judges.