

Name of organization Research Institute for Applied Mechanics (RIAM), Kyushu University		Year of information updating February 10, 2016
Year established 1943		Year of joining the ITTC
Address 6-1 Kasuga-koen, Kasuga, Fukuoka, 816-8580, JAPAN		Status in the ITTC
Contact details (phone, fax, e-mail) Tel : +81-92-583-7701 FAX : +81-92-582-4201		Website http://www.riam.kyushu-u.ac.jp/en/index-e.html
Type of facility Towing Tank	Year constructed/upgraded 1994	
Name of facility Ocean and Underwater Engineering Tank	Location (if different from the above address)	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Length: 65m, Breadth: 5m, Depth: 7m		
Drawings of facility		
<p>Wave Generator Plunger type with 10 individual floats Frequency: 0.2 ~ 3.0Hz Max. wave height: 0.3m</p> <p>Towing Carriage Max. speed: 3.0m/s Max. acceleration: 0.05g</p> <p>Tank Length: 65m Breadth: 5m Depth: 7m</p>		
Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)		
Instrumentations: Resistance dynamometer, 3-degree of freedom motions measuring apparatus, force oscillation apparatus, forced measuring dynamometers.		
Applications (Tests performed)		
Control of underwater vehicle, hydrodynamic forces on underwater vehicle, seakeeping, added resistance forced, motion tests in waves and wind with ship and ocean structure models.		
Published description (Publications on this facility)		
*Constant Acceleration Test and Motion Simulation of Underwater Glider "Tsukuyomi": M.Nakamura, T.Kawatani, K.Asakawa, T.Hyakudome and A.Yoshida, Proc. Of the 24 th Int. Offshore and Polar Engineering Conference, Vol.2, pp.456-462, 2014		
*Numerical and Experimental Studies on Three-Dimensional Water on Deck with a Modified Wigley Model: C-H Hu and M.Kashiwagi, Proc. 9 th Int. Conf. on Numerical Ship Hydrodynamics, Vol.1, pp.159-169, 2007		