


 Journal of the Japan Society of  
**Naval Architects and Ocean Engineers**  
*The Japan Society of Naval Architects and Ocean Engineers*

[Available Volumes](#) | [Japanese](#) >> [Publisher Site](#)

Author:  [ADVANCED](#) | Volume  Page   
 Keyword:   |



[TOP](#) > [Available Volumes](#) > [Table of Contents](#) > Abstract

ONLINE ISSN : 1881-1760

PRINT ISSN : 1880-3717

**Journal of the Japan Society of Naval Architects and Ocean Engineers**

Vol. 6 (2007) pp.91-98

[\[PDF \(828K\)\]](#) [\[References\]](#)

## AIS simulator

[Kojiro Hata](#), [Kazuhiko Hasegawa](#) and [Kazuhisa Niwa](#)

(Accepted August 31, 2007)

**Summary:** AIS(Automatic Identification System) is a communication system that enables a ship to get information about other ships and navigation status, such as their position, course, speed, name etc. automatically by VHF radio. The system is expected to contribute the improvement of marine traffic control and safety. In some congested waterways overloaded/conflict transmission of AIS is a potential problem from the planning stage. In this study, a simulation system has been developed for predicting AIS communication in real or simulated marine traffic flow considering the movement of each ship. This system can even evaluate the conflict state and the garble state of duplicate messages on the same slot in the actual navigation environment as real as possible.

[\[PDF \(828K\)\]](#) [\[References\]](#)

Download Meta of Article[\[Help\]](#)

[RIS](#)

[BibTeX](#)

To cite this article:

Kojiro Hata, Kazuhiko Hasegawa and Kazuhisa Niwa: AIS simulator , Journal of the Japan Society of Naval Architects and Ocean Engineers, (2007), Vol. 6, pp.91-98 .

Copyright (c) 2008 The Japan Society of Naval Architects and Ocean Engineers

