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**Abstract:** The proceedings contain 21 papers. The topics discussed include: numerical simulations and analysis of the zig-zag maneuvers of an oil tanker based on a body-force propeller; a study of particle separation system of hazardous materials collection truck; study on rollover risk of the tanker with different liquid filling coefficient in emergency turn; evaluating the multi-task learning approach for land use regression modelling of air pollution; the effect of time discretization on the propeller hydrodynamic performance simulation in self-propulsion and open water conditions; investigation of the influence of tank geometry on a vessel's stability under free surface effect when in coastal waters; and dynamic networking and channel access strategies of hybrid communication network for intelligent ship.

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