

Calm-water performance of a boat with two swept steps at high-speeds: Laboratory measurements and mathematical modeling

Bilandi, Rasul Niazmand; Vitiello, Luigi; Mancini, Simone; Nappo, Vincenzo; Roshan, Fatemeh; Tavakoli, Sasan; **Dashtimanesh, Abbas** Procedia manufacturing 2020 / p. 467-474 : ill <https://doi.org/10.1016/j.promfg.2020.02.046>

Comparative study of experimental and CFD results for stepped planing hulls

Niazmand Bilandi, Rasul; Dashtimanesh, Abbas; Mancini, Simone; Vitiello, Luigi Ocean engineering 2023 / art. 114887 <https://doi.org/10.1016/j.oceaneng.2023.114887>

A comprehensive stepped planing hull systematic series : part 1 - resistance test

Vitiello, Luigi; Mancini, Simone; **Bilandi, Rasul Niazmand**; Dashtimanesh, Abbas; De Luca, Fabio; Nappo, Vincenzo Ocean engineering 2022 / art. 112242 <https://doi.org/10.1016/j.oceaneng.2022.112242> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic motion analysis of stepless and stepped planing hulls in random waves: a CFD model perspective

Bilandi, Rasul Niazmand; Tavakoli, Sasan; Mancini, Simone; Dashtimanesh, Abbas Applied Ocean Research 2024 / art. 104046 <https://doi.org/10.1016/j.apor.2024.104046>

Dynamic of a planing hull in regular waves: Comparison of experimental, numerical and mathematical methods

Tavakoli, Sasan; Bilandi, Rasul Niazmand; Mancini, Simone; De Luca, Fabio; **Dashtimanesh, Abbas** Ocean engineering 2020 / art. 107959, 24 p. : ill <https://doi.org/10.1016/j.oceaneng.2020.107959> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic of tunneled planing hulls in waves

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Effects of vertical motions on roll of planing hulls

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How to improve full-scale self-propulsion simulations? A case study on a semi-displacement hull

Niazmand Bilandi, Rasul; Mancini, Simone; Dashtimanesh, Abbas; **Lakatoš, Mikloš** HSMV 2023 : Proceedings of the 13th Symposium on High Speed Marine Vehicles 2023 / p. 265-274 <https://doi.org/10.3233/PMST230034>

Numerical investigation of single and double steps in planing hulls

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A revisited verification and validation analysis for URANS simulation of planing hulls in calm water

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Shipping decarbonization : an overview of the different stern hydrodynamic energy saving devices

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Wake waves of a planing boat : an experimental model

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